



University of Ljubljana
Faculty of Natural Sciences and Engineering
Department of Textiles

Information package

Doctoral Programme

*Textile Engineering, Graphic Communication
and Textile Design*

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■ **General information about the doctoral program**

The doctoral program Textile Engineering, Graphic Communication and Textile Design lasts 3 years, and consists of 180 ECTS credits under the European Credit Transfer System (ECTS).

The contents of the program cover different fields of textile engineering, graphic and interactive communications and textile design, which are sensibly complementary.

Study field at ISCED classification: (21) arts; (54) production technology.

Classification of the study program at KLASIUS-P:

- Textile engineering: (5420) Textile, apparel, footwear and leather industry (for details Specified)
- Graphic and interactive communications: (2130) Audiovisual techniques and (multi) media production (for details Specified)
- Textile Design: (2143) Textile and Fashion Design (Fashion Design).

Classification of the study program at KLASIUS SRV: (18202) Doctoral Education (third Bologna level)

Scientific research discipline at Frascati classification: engineering; humanities

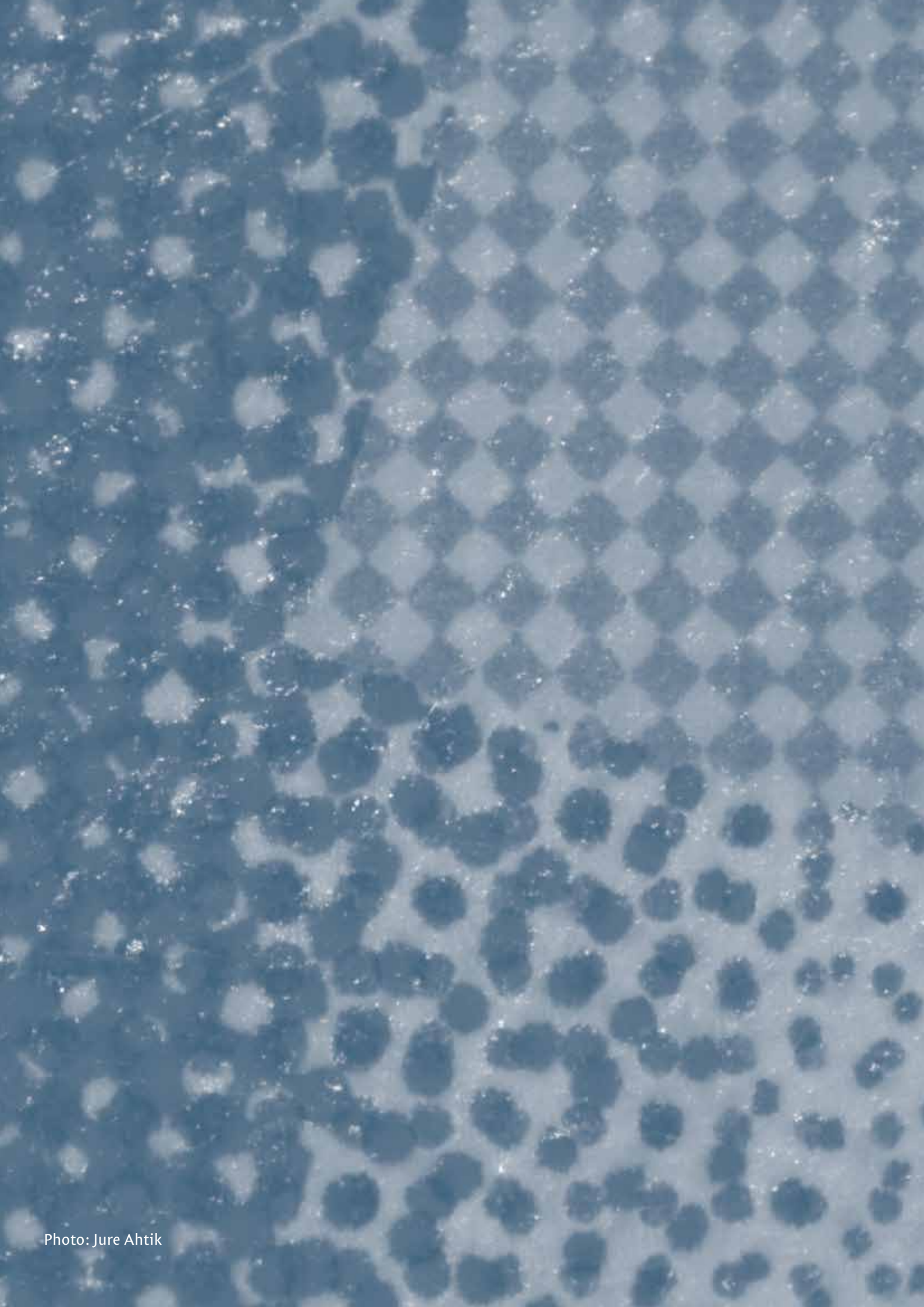
Scientific title: Doctor of Science

The doctoral program is organised and run by the Department of Textiles at the Faculty of Natural Sciences and Engineering at the University of Ljubljana.

■ **Goals and general competences of the program**

The aim of the doctoral study programme is to qualify the post-graduate students to gain the following general competences:

- In-depth understanding theoretical and methodological concepts in the area of textiles, graphic and interactive communications and theory of textile design.
- The capability to independently develop a new knowledge in the area of textiles, graphic and interactive communications and theory of textile design.
- The capability to solve the most complex problems by testing and improving the already known solutions and by discovering new solutions in the area of textiles, graphic and interactive communications and theory of textile design.
- The ability to manage the most complex work systems in the area of textiles, graphic and interactive communications and theory of textile design.
- The ability to manage scientific and research projects in the area of textiles, graphic and interactive communications and theory of textile design from a broad professional and/or scientific area.
- A developed critical reflection in the area of textiles, graphic and interactive communications and theory of textile design.
- Social and communication capabilities to lead teamwork even in the case of the projects based on integration of scientific principles of various sectors.
- A developed professional, ethical and environmental responsibility.
- The ability to use modern tools, skills and competences especially in the area of IKT technologies in everyday professional as well as scientific and research work.



■ Data on international cooperation of the higher education institution

The Department of Textiles cooperates with important European and other universities worldwide in the educational and research field. Mobility of students, teachers and researchers is performed mainly within the CUMULUS and CEEPUS networks and within the Socrates Erasmus programme framework.

The Department of Textiles has signed mobility agreements for undergraduate and postgraduate students, teachers and staff with the following institutions:

Country	Partner Institution (Erasmus ID)
Belgium	Arteveldehogeschool (B GENT39) Universiteit Gent (B GENT01)
Croatia	University of Zagreb, Faculty of Graphic Arts (HR ZAGREB01) University of Zagreb, Faculty of Textile Technology (HR ZAGREB01)
Czech Republic	University of Pardubice, Department of Graphic Arts and Photophysics (CZ PARDUB01) Brno University of Technology, Faculty of Chemistry (CZ BRNO01) Technical University of Liberec (CZ LIBEREC01)
Denmark	Desigenskolen Kolding (DK KOLDING07)
Estonia	Estonian Academy of Arts (EE TALLINN01)
Finland	Aalto University, School of Arts, Design and Architecture SF (ESPOO12) Wetterhoff Institute – HAMK (SF HAMEEN09)
France	Universite de Haute Alsace, Ecole nationale superieure d'ingeneurs sud alsace (F MULHOUS 01)
Germany	Folkwang Essen (D ESSEN02) Fachhochschule Köln (D KOLN04) Hochschule der Medien Stuttgart (D STUTTGA06) Hochschule Niederrhein – Krefeld (D KREFELD01)
Great Britain	Leeds college of art (UK LEEDS05) University of Salford, School of Arts and Media (UK SALFORD01) University of Southampton, Winchester School of Art (UK SAUTHAMP01)
Greece	Technological Educational Institute (T.E.I.) of Athens (G ATHINE34)
Hungary	Obuda University, Faculty of Light Industry and Environmental Protection Engineering (HU BUDAPES16) Moholy –Nagy University of art and design Budapest (HU BUDAPES27)

Country	Partner Institution (Erasmus ID)
Iceland	Iceland Academy of the Arts (IS REYKJAV06)
Lithuania	Vilnius Academy of Arts (LT VILNUS11)
Poland	Academy of Fine Arts In Lodz (PL LODZ05) Akademia Sztuk Piknych I.m. Jana Matejki W. Krakowie (PL KRAKOW10) Jan Kochanowski University in Kielce (PL KIELCE02) Politechnika Warszawska (PL WARSZAW02) Tecnical University of Lodz (PL LODZ02)
Portugal	Instituto Politecnico de Tomar (PT TOMAR 01) Esad-Escola Superior de Artesv E Design (P MATOSIN01) IADE Instituto de Artes Visuais, Design e Marketing (P LISBOA64) Instituto Politecnico del Castelo Branco (P CASTELO01) Universidade de Lisboa, Faculdade de Arquitectura (P LISBOA04) Universidade de Lisboa, Faculdade de Belas Artes (P LISBOA109)
Romania	Gheorge Assachi Technical University Iasi (RO ISAI05)
Spain	Universidad de Granada, Facultad de Ciencias (E GRANADA01) Universitat Politecnica de Valencia, Facultad de Bellas Artes (BBAA) Valencia (E VALENCI02) School of Higher Studies of Design, Valencia-EASD (E VALENCI13)
Sweden	Akademin Valand, Göteborgs Universitet (S GOTEBOR01) University of Boras, The Swedish School of Textiles (S BORAS 01) University of Gothenburg (S GOTEBOR01)
Switzerland	Bern University of the Arts (CH BERN11) Bern University of Applied Sciences (CH BERN11) Zürcher Hochschule der Künste (CH ZURICH20)
Turkey	Marmara Universitesi (TR ISTANBU05) Ege University – Izmir (TR IZMIR02) Istanbul Technical University (TR ISTANBU04) Namik Kemal University – Tekirdag (TR TEKIRDA01) Usak University (TR USAK01)

Universities cooperating as partners in CEEPUS network in the program Research and Education in the Field of Graphic Engineering and Design (CIII-RS-0704-00-1415):

Country	Partner Institution
Bulgaria	University of Chemical Technology and Metallurgy, Department of Printing Arts, Pulp and Paper
Bosnia and Herzegovina	University of Banja Luka, Faculty of Technology
Croatia	University of Zagreb, Faculty of Graphic Arts
Czech Republic	University of Pardubice, Faculty of Chemical Technology
Hungary	Óbuda University, Budapest, Rejto Sándor Faculty of Light Industry Engineering
Poland	Technical University of Łódź, Faculty of Textile Engineering and Marketing Warsaw University of Technology, Department of Printing Technology
Romania	Politehnica University of Timisoara, Faculty of Engineering Hunedoara
Serbia	University of Novi Sad, Faculty of Technical Sciences
Slovakia	Slovak University of Technology, Institute of Natural and Synthetic Polymers, Graphic Arts Technology and Photography

Other universities where lecturers have been working as invited professors or researchers:

Country	Partner Institution
Bosnia and Herzegovina	University of Banja Luka, Faculty of Technology
Croatia	University of Zagreb, Faculty of Graphic Arts University of Zagreb, Faculty of Textile Technology
Great Britain	British Council London College of Art and Design London College of Fashion, Centre for Sustainable Fashion University of Art and Design Winchester University of Leeds, School of Design
Hungary	Óbuda University, Budapest, Rejto Sándor Faculty of Light Industry Engineering Moholy-Nagy University of Art and Design Budapest
Poland	Academy of Fine Arts in Cracow
Slovakia	Academy of Fine Arts and Design Bratislava
USA	Parsons the New School for Design

The Department of Textiles is a member of international associations in the field of textile, graphic and communication technologies and education, i.e. AUTEX, CUMULUS, IFKT, IARIGAI, IC, InPEQ and EFPRO.



■ Information on research projects and agreements

Lecturers in the doctoral program Textile Engineering, Graphic Communication and Textile Design are involved in different ongoing national and international scientific and artistic projects.

Scientific research work is conducted within 12 national research programmes (P2-0213 is coordinated by the Department of Textiles) financed by the Slovenian Research Agency (ARRS), 9 basic and applied projects funded by the ARRS, 3 projects of the ministries of other countries, 7 EU projects and 5 bilateral projects.

Programmes financed by ARRS

P1-0230	Organic Chemistry: Synthesis, Structure, and Application, 1. 1. 2009–31. 12. 2020
P2-0082	ankThin-film structures and plasma surface engineering, 1. 1. 2004–31. 12. 2020
P2-0205	Synthesis and Characterization of Materials, 1. 1. 1999–31. 12. 2019
P2-0213	Textiles and Ecology, 1. 1. 1999–31. 12. 2019
P2-0246	Algorithms and optimization methods in telecommunications, 1. 1. 2004–31. 12. 2014
P2-0263	Mechanics in Engineering, 1. 1. 1999–31. 12. 2014
P2-0270	Production systems, laser technologies and materials welding, 1. 1. 2004–31. 12. 2014
P2-0393	Advanced materials for low-carbon and sustainable society, 1. 1. 2015–31. 12. 20120
P5-0183	Social psychology and Sociology of Everyday Life, 1. 1. 2009–31. 12. 2016
P5-0203	The production of meaning and knowledge in a time of crisis: cultural, religious and scientific-developmental aspects of societies in Slovenia, the Balkans, Europe, 1. 1. 1999–31. 12. 2018
P5-0051	Mass media, the public sphere and social changes, 1. 1. 1999–31. 12. 2014
P6-0341	Humanistika in smisel humanosti v vidikih zgodovinskosti in sodobnosti (Slovene), 1. 7. 2006–31. 12. 2014

Projects financed by ARRS

J5-5540	Sexuality in Secondary-school Students in Slovenia: behaviour, health and attitudes, 1. 1. 2013–31. 7. 2016
J5-5535	Development of information literacy of university students as a support for solving authentic science problems, 1. 8. 2013–31. 7. 2016

L1-5453	Development of novel bioresistant and stainfree stone surfaces, 1. 1. 2013–31. 7. 2016
L2-5486	Biomedical shape memory alloys, 1. 8. 2013–31. 7. 2016
L2-5492	Development of the functional textiles used for the treatment of diabetic foot (malum perforans), 1. 4. 2013–31. 7. 2016
L2-5571	New materials for printed sensors and indicators and their integration in smart printed matter, 1. 8. 2013–31. 7. 2016
L2-6767	Interakcija popolnoma disociirane zmerno ionizirane plazme amoniaka s steklo-polimernimi kompoziti (Slovene), 1. 7. 2014–30. 6. 2017
L7-6782	Funkcionalizacija polimernih kardiovaskularnih vsadkov za optimizacijo hemokompatibilnosti (Slovene), 1. 7. 2014–30. 6. 2017
L7-6858	DriveGreen: Razvoj aplikacije za spodbujanje eko-vožnje pri prehodu v nizkoogljčno družbo (Slovene), 1. 7. 2014–30. 6. 2017

Projects of other ministries

- 2221 – Fellowships for Visiting Scientists and Scientists on Sabbatical Leave. Project title: Computer modelling and simulation of e-transmission lines manufacturing with hot air welding technologies. Istanbul technical University, Faculty of Textile Technologies and design, Istanbul, Turkey, 2014–2015
- 2221 – Visiting Fellowships for Scientists and Scientists on Sabbatical Leave. Project title: Computer modelling and simulation of e-manufacturing transmission lines with hot air welding technologies. Istanbul Technical University, Faculty of Textile Technologies and Design, Istanbul, Turkey, 2014–2015
- Antimicrobial finishing and ecological acceptable printing of textile materials for sportswear and the control of their thermal properties “ University of Banja Luka, Faculty of Technology, Banja Luka, 2014–2015
- PercieveRecognize R989 – Application for IKT – aided integration of blind and visually impaired youth in the society, Ministry of Education Science and Sport, Project of structural funds, 2015

EU and other international projects

- Erasmus+ Programme: Knowledge Alliance; TECLO: Future textile and clothing managers for export, marketing, innovation, sustainability and entrepreneurship oriented companies, 1. 12. 2014–30. 11. 2016
- Erasmus+ Programme, ADVA2TEX, 2015–2016
- Horizon 2020 - Research and Innovation Framework Programme: eTexWeld- Welding of E-Textiles for Interactive Clothing, 644268, Marie Curie, 2015–2017
- MPNS COST Action MP1101, Biomedical Applications of Atmospheric Pressure Plasma Technology, 2013–2015

- MPNS COST Action MP1105, FLARETEX, Sustainable flame retardancy for textiles and related materials based on nanoparticles substituting conventional chemicals, 2012–2016
- FPS COST Action FP1104, “New possibilities for print media and packaging - combining print with digital bio-based materials for new packaging applications”, 2012–2016
- FPS COST Action FP1405, Active and intelligent fibre-based packaging – innovation and market introduction, 2014–2018

Bilateral projects

- | | |
|-----------------|---|
| BI-RS/14-15-018 | Development of a method for using commercial digital camera as color measurement device, (Serbia), 2014–2015 |
| BI-RS/14-15-033 | Tailoring innovative functional textiles using plasma and microcapsules, (Serbia), 2014–2015 |
| BI-HR/14-15-027 | Modification of textiles by plasma and nanoparticles for development of protective and healthcare textiles, (Croatia), 2014–2015 |
| BI-RU/14-15-037 | Spatial structure of the polymer systems on the base of the porous volume (hydrogels) and two-scale (films) matrices, their functional and mechanical properties, (Russia), 2014–2015 |
| BI-BA/14-15-033 | Investigation of the possibility using short flax fibers for a production of filters for a removal of heavy metals ion from aqueous solutions, (Banja Luka), 2014–2015. |

Art research work of lecturers of doctoral program TGTO in 2014 and ongoing projects:

- Fashion Show Perpetuum, Fashion Week Ljubljana
- Days of graphics, Technical Museum of Slovenia, Polhov Gradec
- Collection of textile products Fabiani, House of Architecture, MOL
- Collection of clothing made from hemp, Fair Gornja Radgona
- Presentation of the collection Matica Velerja at The exhibition Dolce vita, Slovenian Ethnographic Museum Ljubljana
- Mitnica – exhibition of students’ works
- Fabiani tribune
- Corporate Graphic Identity for Fabiani year
- Collection of clothing for NK Olimpija Ljubljana
- The collection of fashion accessories for NK Olimpija Ljubljana
- Collection of samples for NK Olimpija Ljubljana
- Development of two mascots for NK Olimpija Ljubljana
- Development of typefaces for NK Olimpija Ljubljana
- MLMGC, BIO 50 _ Fashion System, MAO in KUD France Prešeren
- After-use, BIO 50: NOW, KUD France Prešeren
- After-use, Design Month

- Marking System for Park Postojna Cave, in collaboration with UL FA
- Image for Cultural Art Society KIKS
- Bridging the gap in the fonts for wooden letters for Institute tiporenesansa
- Mouse Kiki fall into the pantry ... making of picture books in collaboration with Birografika Bori and Infokem s.p.
- Creating of Virtual and pop-up branch offices and mobile applications for counsellors, cooperation with NLB and Microsoft
- Different communication – a permanent exhibition of New Communications Solutions, Technical Museum of Slovenia, Polhov Gradec

■ **Structure of the programme and mobility**

The programme consists of two main groups of courses:

- basic courses (T),
- elective courses (I).

Basic courses allot 10 ECTS, elective courses allot 5 or 10 ECTS.

Basic and elective courses are divided into two subgroups, i.e. general courses (S) which are related by content to all three research fields of the doctoral study Textile Engineering, Graphic Communication and Textile Design, and discipline-specific courses (P), which include the content specific for a particular research field.

In cooperation with the mentor and research field coordinator, the student selects courses from the set of basic courses (20 ECTS) and elective subjects (25 ECTS). In order to secure the research field, the student shall accumulate a minimum of 20 ECTS from discipline specific courses of which a minimum of 10 ECTS from basic discipline-specific courses and 10 ECTS from elective discipline-specific courses. The selection can be made among the set of courses of all scientific areas.

In cooperation with the mentor and research field coordinator, the student is able to accumulate 10 ECTS from the curriculum of other comparable programmes of Slovene and foreign universities which have the programmes evaluated by the ECTS system or other systems which enable the comparison of evaluation (generic skills).

Course Work organisation and procedures in science (UL, Faculty of Architecture) is obligatory for students on the field of textile design.

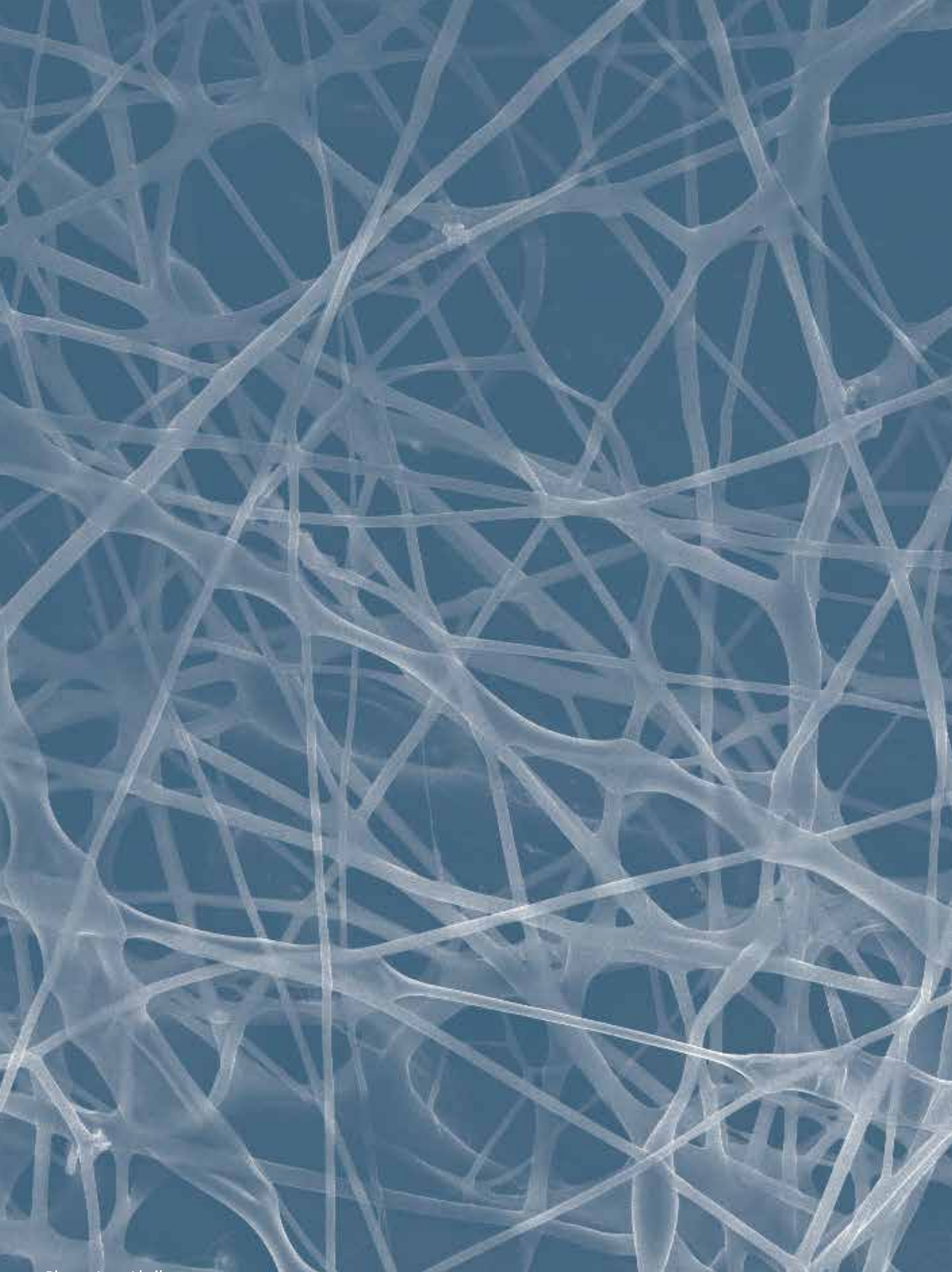


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■ **Lecturers of the courses and mentors**

Lecturers of the courses are university teachers (assistant professor, associate professor, full professor) with established scientific relevance for the course with suitable references (see page 43).

Mentor and co-mentor for the preparation of doctoral dissertation can be a person with a university teacher title (assistant professor, associate professor, full professor) or researcher title (research associate, senior researcher or higher research associate) and has proof of research activity with a relevant scientific bibliography in the field of the doctoral dissertation topic. Co-mentoring must be substantively justified.

Minimal research activity of mentor and co-mentor is proved by 100 bibliographic points according to the SICRIS database in the case of basic researches, and in the case of applicative researches 40 bibliographic points and proofs of the successful transfer of project results into practice.

The mentor and the co-mentor are confirmed in the process of registration and approval of the doctoral dissertation topic.

■ Curriculum with a credit evaluation study obligations according to ECTS

1st year										
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.			
	Basic courses	According to the selected course						600	20	
	Elective courses	According to the selected course						300	10	
	Individual research work	Mentor						900	30	
TOTAL								1800	1800	60
SHARE										33.33%

2nd year										
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.			
	Elective courses	According to the selected course						450	15	
	Presentation of doctoral theses or a corresponding scientific publication							150	5	
	Individual research work	Mentor						1200	40	
TOTAL								1800	1800	60
SHARE										33.33%

3rd year										
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.			
	Individual research work	Mentor						1500	50	
	Presentation of the course-matter of doctoral thesis prior to public defence, or corresponding scientific publication							150	5	
	Elaboration of doctoral thesis and public defense							150	5	
TOTAL								1800	1800	60
SHARE										33.33%

Basic courses										
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.			
1	T-S-1 (general) Mechanics – selected topics	Igor Dobovšek	60	90				150	300	10
2	T-S-2 (general) Physical organic chemistry with modern methods of separation and identification of organic compounds	Janez Cerkovnik	60	90				150	300	10
3	T-S-3 (general) Optics, spectroscopy and microscopy for graphic and textile applications	Marta Klanjšek Gunde	60	90				150	300	10

Basic courses											
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS	
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.				
4	T-S-4 (general) Principles of electronics for application in printed electronics	Marta Klanjšek Gunde	60	90				150	300	10	
5	T-S-5 (general) Colour models and colour transforms	Dejana Javoršek	60	90				150	300	10	
6	T-S-6 (general) Theory of colour	Dejana Javoršek	60	90				150	300	10	
7	T-S-7 (general) Design of experiments and multivariate analysis methods in graphic arts and textiles	Aleš Hladnik	60	90				150	300	10	
8	T-P-1 (textile engineering) Fibre forming polymer structure	Tatjana Rijavec	60	90				150	300	10	
9	T-P-2 (textile engineering) Structure and properties of textiles – selected topics	Alenka Pavko Čuden	60	90				150	300	10	
10	T-P-3 (textile engineering) Speciality fibres – selected topics	Tatjana Rijavec	60	90				150	300	10	
11	T-P-4 (textile engineering) Theory of finishing process	Barbara Simončič	60	90				150	300	10	
12	T-P-5 (graphic communication) Generating and processing information in graphic media – the message of graphic media	Helena Gabrijelčič Tomc	60	90				150	300	10	
13	T-P-6 (graphic communication) Visual image as a communication media	Klementina Možina	60	90				150	300	10	
14	T-P-7 (graphic communication) Interdisciplinary typography	Klementina Možina	60	90				150	300	10	
15	T-P-8 (graphic communication) Advanced printing technologies, development and applications	Tadeja Muck	60	90				150	300	10	
16	T-P-9 (graphic communication) Interactivity	Aleš Hladnik	60	90				150	300	10	
17	T-P-10 (textile design) Selected issues in sociology of the arts	Aleš Debeljak	60	90				150	300	10	
18	T-P-11 (textile design) Theory of textile and fashion art	Marija Jenko	60	90				150	300	10	
19	T-P-12 (textile design) Theory of fashion	Almira Sadar	60	90				150	300	10	
20	T-P-13 (textile design) Structure of art practice	Jožef Muhovič	60	90				150	300	10	
21	T-P-14 (textile design) Cultural studies of fashion	Peter Stankovič	60	90				150	300	10	
22	T-P-15 (textile design) Theoretical foundations of textile design	Marija Jenko	60	90				150	300	10	
23	T-P-16 (textile design) Theory of costume design	Almira Sadar	60	90				150	300	10	
TOTAL			1380	2070				3450	6900	230	

Elective courses											
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS	
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.				
24	I-S-1 (general) Environmental aspects in textiles and graphics	Petra Forte Tavčer	60	90				150	300	10	

Elective courses											
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS	
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.				
25	I-S-2 (general) Quality – selected topics	Andrej Demšar	60	90				150	300	10	
26	I-S-3 (general) Analysis of structure and properties of textile and graphic materials – selected chapters	Andrej Demšar	60	90				150	300	10	
27	I-S-4 (general) Recycling of polymeric materials	Diana Gregor Svetec	30	45				75	150	5	
28	I-S-5 (general) Plasma technologies for textiles and graphics	Marija Gorjanc	60	90				150	300	10	
29	I-S-6 (general) Printed electronics	Tadeja Muck	60	90				150	300	10	
30	I-S-7 (general) Dyes and pigments in textile and graphic technology	Sabina Bračko	30	30	15			75	150	5	
31	I-S-8 (general) Microcapsulation	Bojana Boh Podgornik	15	30	30			75	150	5	
32	I-S-9 (general) Colour measurement – selected topics	Sabina Bračko	30	30	15			75	150	5	
33	I-S-10 (general) Modern analytical techniques in graphic and textile technology	Franci Kovač	30	45				75	150	5	
34	I-S-11 (general) Computing and numerical methods in textile and graphics research	Alojz Suhadolnik	30	45				75	150	5	
35	I-S-12 (general) Photography as a communication media	Marica Starešinič	30	45				75	150	5	
36	I-S-13 (general) Design and innovation	Marija Jenko	30	45				75	150	5	
37	I-S-14 (general) Advanced technologies in clothing with selected topics of 2d/3d development of garment cuts	Matejka Bizjak	60	90				150	300	10	
38	I-S-15 (general) Use of image processing and image analysis in graphic and textile research	Aleš Hladnik	60	90				150	300	10	
39	I-S-16 (general) The methodologies of computer-aided design of products	Helena Gabrijelčič Tomc	60	90				150	300	10	
40	I-P-1 (textile engineering) Functionalization of textile materials	Barbara Simončič	60	90				150	300	10	
41	I-P-2 (textile engineering) Biotechnology for textile processing	Petra Forte Tavčer	60	90				150	300	10	
42	I-P-3 (textile engineering) Advanced technologies for line textiles production – selected topics	Dunja Šajn Gorjanc	60	90				150	300	10	
43	I-P-4 (textile engineering) Advanced technologies in clothing – selected topics	Alenka Pavko Čuden	60	90				150	300	10	
44	I-P-5 (textile engineering) Dyeing and printing of textiles – selected topics	Petra Forte Tavčer	60	90				150	300	10	
45	I-P-6 (textile engineering) Pretreatment and finishing of fibrous substrates – selected topics	Brigita Tomšič	60	90				150	300	10	
46	I-P-7 (textile engineering) Textile care – selected topics	Mateja Kert	25	50				75	150	5	
47	I-P-8 (textile engineering) Speciality textiles– selected topics	Matejka Bizjak	30	45				75	150	5	

Elective courses										
No.	Course unit	Lecturer	Contact hours					Indiv. work	Total hours	ECTS
			Lect.	Sem.	Tut.	Clinical tutorials	Other commit.			
48	I-P-9 (graphic communication) Ancient graphic materials and techniques – selected topics	Jedert Vodopivec Tomažič	60	90				150	300	10
49	I-P-10 (graphic communication) Sustainability at production and processing of paper and packaging	Diana Gregor Svetec	60	90				150	300	10
50	I-P-11 (graphic communication) Packaging and graphic materials – selected topics	Diana Gregor Svetec	60	90				150	300	10
51	I-P-12 (graphic communication) Methods for studying of material – print interactions	Tadeja Muck	60	90				150	300	10
52	I-P-13 (graphic communication) Quality analysis of graphic design products	Klementina Možina	30	45				75	150	5
53	I-P-14 (textile design) Interior and exterior textiles	Marija Jenko	60	90				150	300	10
54	I-P-15 (textile design) Advanced materials in textiles	Tatjana Rijavec	60	90				150	300	10
55	I-P-16 (textile design) The study of gender, body and clothing	Alenka Švab	60	90				150	300	10
56	I-P-17 (textile design) Fashion and media communication	Maruša Pušnik	60	90				150	300	10
57	I-P-18 (textile design) Sustainable design	Almira Sadar	60	90				150	300	10
TOTAL			1690	2525	60			4275	8550	285

Share of elective courses per year (ratio of ECTS credits obtained by the student from compulsory and elective components)

Academic year	Compulsory components	Elective components	Practical training	Doctoral thesis
1st year	0 % (0 ECTS)	50 % (30 ECTS)	/	50 % (30 ECTS)
2nd year	8 % (5 ECTS)	25 % (15 ECTS)	/	67 % (40 ECTS)
3rd year	17 % (10 ECTS)	/	/	83 % (50 ECTS)
TOTAL	8 % (15 ECTS)	25 % (45 ECTS)	/	67 % (120 ECTS)

■ **Enrollment spaces in the program, admission requirements and criteria for selection in the case of limited number of candidates**

The number of enrolment spaces is 10.

For admission to the doctoral programme Textile Engineering, Graphic Communication and Textile Design are invited graduates of the following programmes:

- second cycle study programmes;
- study programmes providing education for occupations regulated by Directives of the European Union, evaluated with at least 300 ECTS;
- academic study programmes (before 11. 6. 2004);
- study programmes leading to a master of science or to specialisation after completing an academic study programme; 60 ECTS of study obligations will be recognised to such candidates;
- study programmes leading to specialisation provided that candidates have previously completed a higher education professional study programme; for these candidates, additional entry requirements in individual areas amounting from 30 to 60 ECTS will be specified.

If the number of candidates applying for the programme exceeds the number of enrolment spaces, the candidates shall be selected according to their general success at their previous study as well as in the scientific and professional fields as follows:

- average mark of the exams of previous study (mark \times 10 points),
- mark for the diploma thesis and its defence (mark \times 3 points),
- a research paper evaluated by the criteria of the habilitation commission of the University of Ljubljana – proportional allocation of points is taken into account ((2 to 8) \times 2 points),
- the Prešeren award at the University of Ljubljana – proportional allocation of points is taken into account (10 points),
- the Prešeren award at the faculty – proportional allocation of points is taken into account; if the same work is submitted as a diploma thesis, only half of the envisaged points shall be taken into account (6 points).

■ **Recognition of knowledge and skills acquired prior to enrolment in the programme**

The knowledge, which has been acquired by the candidate through various types of study, will be recognized if the content of such study corresponds to the content of the courses included in the doctoral study programme Textile Engineering, Graphic Communication and Textile Design. Decisions on recognition of the knowledge and skills acquired prior to the enrolment in the programme shall be taken by the Studies Commission of the Faculty of Natural Sciences and Engineering on the basis of the candidate's written application, enclosed certificates and other documents which evidence the successfully acquired knowledge and the content of such knowledge. In its decision-making the Studies Commission will take into account the following criteria:

- fulfilment of the conditions required to enrol in various types of study (required previous education for enrolment in the programme),
- the extent of the previous study (the number of hours of the previous study in comparison with the number of hours of the study in which the candidate is enrolling),
- suitability of the content of the previous study in comparison with the content of the study in which the student is enrolling.

The acquired knowledge can be recognized as the fulfilled obligation if the condition for enrolment corresponded to the conditions required for enrolment in the doctoral study programme consisting of the courses of textiles, graphic and interactive communications and theory of textile design, if the previous study encompassed at least 75% of the extent of the course, and if at least 75% of the content of the previous study correspond to the content of the course in which the candidate is enrolling. If the Commission establishes that the acquired knowledge may be recognized, the candidate's knowledge shall be evaluated with equal number of ECTS ECTS as the course in which the candidate is enrolling.

■ **Grading method**

In accordance with the Statute of the University of Ljubljana, the level of knowledge of a student on the exam is graded with the marks 1 – 10 of which marks 6 – 10 are positive. The programme envisages written and oral exams; preparation and oral presentation of seminars will be graded as well.



Photo: Jure Ahtik

■ **Conditions for advancing through programme**

To advance to the 2nd year of the doctoral study, the candidate shall meet the obligations, which allot him a minimum of 45 ECTS ECTS of which a minimum of 20 ECTS ECTS shall be accumulated from basic courses.

The students who have met all obligations of the organized study forms of the 1st and the 2nd year may advance to the 3rd year of the doctoral study.

The last, i.e. the 3rd year, is dedicated to individual research work and to writing and defending the doctoral thesis.

■ **Transfer between programmes**

Transfer between study programmes is considered as discontinuation of the study in the third level study programme which the candidate has enrolled in, and continuation of the study in the doctoral study programme Textile Engineering, Graphic Communication and Textile Design.

The following criteria are taken into account for the transfer between programmes:

- fulfilment of the conditions for enrolment in the new study programme,
- the number of places available,
- the years or semesters in the previous study programme in which the candidate met
- all study obligations and which can be recognized in full,
- the minimum number of semesters the candidate will have to complete in order to take the doctor's degree in the new programme.

Transfer between the 3 level doctoral study programmes

The students enrolled in the 3rd level doctoral study programmes in the field of textile science, graphic and interactive communications, natural sciences and mathematics, design, technical, humanistic and social sciences who meet the conditions for enrolment in the doctoral programme will receive the list of additional obligations which shall be met in order to take his/her doctor's degree in the new programme.

Transfer between the post-graduate studies and the third level doctoral study programme prior to the introduction of the Bologna Declaration

The students in the post-graduate study programme at the NTF OT (the Faculty of Natural Sciences and Engineering, Department of Textiles) and the relative post-graduate study programmes (in the field of textile science, graphic and interactive communications, natural sciences and mathematics, design, technical, humanistic and social sciences) who were accredited prior to the enforcement of the Higher Education Act Amendment will receive the list of additional obligations which shall be complet-

ed in order to be able to take his/her doctor's degree in the new study programme. Decisions about transfers between the programmes shall be made by the Studies Commission of the Faculty of Natural Sciences and Engineering in accordance with the Statute of the University of Ljubljana, the Criteria for Transfer between Study Programmes and other regulations.

■ **Mode of study**

The doctoral programme is carried out as full-time study.

■ **Conditions for completion of study**

The student can complete the study and obtain the scientific title of doctor of science if he/she has successfully met all obligations set down in the programme and has successfully defended his/her doctoral thesis. The student must publish a minimum of one scientific paper dealing with the course-matter of his/her doctoral thesis, which is SCI, SSCI or A&HCI indexed. The author must be the first author of the paper. The paper must be received for publication prior to the defence of his/her doctoral thesis.

■ **Employment possibilities**

The possibilities of employment of the students who have completed the doctoral study programme Textile Engineering, Graphic Communication and Textile Design are diverse. Future doctors of science will be able to work in a pedagogic and research area at the universities and research institutes, in textile, clothing, graphic, media and paper processing companies, publishing houses, advertising agencies and media companies, and even in the state administration, which employs the experts and researchers with the highest education.

■ **Short presentation of courses and the list of potential mentors**

Short presentation of basic courses

T-S-1 MECHANICS – SELECTED TOPICS: 10 ECTS

Lecturers ■ Igor Dobovšek (coordinator), Alojz Suhadolnik

The course enables the acquisition of the basic principles of analytical mechanics in conjunction with the mechanics of the continuum. Emphasis is placed on understanding the mechanical laws and the principles of mechanics of materials and the operation of devices. The aim of the course is to successfully solve various problems that occur in the areas of textile and graphics technology. The acquired knowledge prepares students for the development of complex models and treatment of typical problems in narrow fields of research rheology, mechanics of composite materials and mechanisms.

T-S-2 PHYSICAL ORGANIC CHEMISTRY WITH MODERN METHODS OF SEPARATION AND IDENTIFICATION OF ORGANIC COMPOUNDS: 10 ECTS

Lecturer ■ Janez Cerkovnik

Candidates are acquainted with the basics of physical organic chemistry, together with some modern methods for separation and structural characterization of organic materials. The course covers the following topics: chemical bonding, molecular structure and thermodynamics, stereochemical and conformational isomerism, molecular structure and reactivity, kinetics and reaction mechanisms in solution, mechanistic studies of selected organic reactions, acids and bases, and some modern methods for separation and identification of organic compounds.

T-S-3 OPTICS, SPECTROSCOPY AND MICROSCOPY FOR GRAPHIC AND TEXTILE APPLICATIONS: 10 ECTS

Lecturers ■ Marta Klanjšek Gunde (coordinator), Raša Urbas

The course covers selected topics of physics and chemistry, which enable the successful application of materials science for the of state-of-the-art applications, especially “functional” or “smart” examples. Attention will be paid on measurement equipment available from field to laboratory scale. The knowledge is of crucial importance for continuous development of graphic and textile applications with successful introduction of so-called “smart” applications and printed electronics.

T-S-4 PRINCIPLES OF ELECTRONICS FOR APPLICATION IN PRINTED ELECTRONICS: 10 ECTS

Lecturer ■ Marta Klanjšek Gunde

The course considers basic knowledge required for printed organic electronics and its application within printed electronics. Special attention is devoted to understanding of electrical properties of materials suitable for application, topography of prints and requirements suitable for the final application. The measuring methods for analysis of materials (printing substrates and functional printing inks), process and performance

of final product are given. The course includes discussing of applications according to the research of the student.

T-S-5 COLOUR MODELS AND COLOUR TRANSFORMS: 10 ECTS

Lecturer ■ Dejana Javoršek

The course considers mathematical models (matrix, CLUT) and methods for colour transforms between different colour spaces used in the field of cross media publishing. The student will be able to apply his knowledge in the field of capturing, displaying and colour reproduction for different viewing and surround conditions. He will also be able to take into account changes due to change in printing materials, inks and printing technique. Exact course will take in consideration student interests. Other goal is also obtaining the knowledge of the colour transform corrections from device space to CIELAB and CIEXYZ.

T-S-6 THEORY OF COLOUR: 10 ECTS

Lecturers ■ Dejana Javoršek (coordinator), Dušan Kirbiš, Darko Slavec

The course considers colour theory, the expression and use of different colour configurations in both analogies, contrast or colour combinations according to the principle of the golden ratio, colour induction, colour transformations, colour strength and coloured body. Students obtain knowledge about colour and light intervals, the relationship between colour and shape, spatial, psychological and symbolic effects of colour. Students obtain additional skills in the use of colour in art, textiles, clothing, graphic and interactive design. Students learn the importance of colour in graphic design, phenomena that influence the perception of colours, colour patterns digitization and the importance of colour management.

T-S-7 DESIGN OF EXPERIMENTS AND MULTIVARIATE ANALYSIS METHODS IN GRAPHIC ARTS AND TEXTILES: 10 ECTS

Lecturer ■ Aleš Hladnik

The goal of the course is an extension of statistical way of thinking and approach to research that students encounter during their graduate and postgraduate studies. Students become familiar with modern statistical methods as well as with the appropriate software and web tools they will use at their R&D or professional work. The emphasis is on understanding the basic ideas of the design and analysis of experiments and of the multivariate statistical analysis as well as on solving real-world engineering problems in the areas of graphic arts or textiles.

T-P-1 FIBRE FORMING POLYMER STRUCTURE: 10 ECTS

Lecturer ■ Tatjana Rijavec

The course enables the acquisition of general and specific knowledge in the field of fibre polymers for the needs of product development. The structural morphological hierarchy of fibre polymers is presented. The relationship between structure and properties which is the foundation of the understanding of the polymeric materials behaviour is explained. The course covers studies of the fibre-forming polymers structure in non-oriented and amorphyously crystalline state, and the changes resulting from the deformation. Study of the superstructure of oriented fibre-forming polymers

and the interdependence between the structure and properties allows the understanding the behaviour of fibres in end products.

T-P-2 STRUCTURE AND PROPERTIES OF TEXTILES – SELECTED TOPICS: 10 ECTS

Lecturers ■ Alenka Pavko Čuden (coordinator), Krste Dimitrovski, Matejka Bizjak, Dunja Šajn

Within the course, the impact of properties of textile materials, technological parameters and production processes on structural, textural, mechanical-physical and rheological properties of yarns, woven fabrics, knitted fabrics and nonwovens is analysed in-depth. The course deals with complex existing applications and trains for the development of new applications. It transmits knowledge needed to design textiles with a pre-requisite structure and properties and for selecting the optimal and most cost-effective technologies for the production of textile structures.

T-P-3 SPECIALITY FIBRES – SELECTED TOPICS: 10 ECTS

Lecturer ■ Tatjana Rijavec

The course includes studies of different types of unconventional natural fibres such as vegetable fibres, wild silk, animal hair, and specialty chemical fibres, which include micro-fibres, nano-fibres, profiled, bi-component, antistatic, antibacterial, smart and high performance fibres. The emphasis is on understanding different ways of modification of fibre morphology and training for the proper professional selection of specialty fibres for the development of advanced and unique products with special properties for various interdisciplinary applications.

T-P-4 THEORY OF FINISHING PROCESS: 10 ECTS

Lecturers ■ Barbara Simončič (coordinator), Petra Forte Tavčer

The course includes theoretical bases of textile finishing which supplements the courses in the field chemical textile technology. It enables insight into the influence of fibre and dye structures on the dyeing process, thermodynamics of dye sorption, diffusion and rate of dyeing, relationship between dye and fibre, interactions between dyes and auxiliaries, chemical reactions in dye-bath, action of oxidizing and reducing agents to fibres, enzymatic catalysed processes, rheology of media, wetting and wicking of textile surfaces, processes at solid-liquid interface, models and methods for determining the surface free energy components.

T-P-5 GENERATING AND PROCESSING INFORMATION IN GRAPHIC MEDIA – THE MESSAGE OF GRAPHIC MEDIA: 10 ECTA

Lecturer ■ Helena Gabrijelčič Tomc

The course enables the study of elementary and advanced methods for generating and processing information in different graphic media. The study of communication in graphic media involves a theoretical basis about the activity and effects of different media and the possibilities for their use, as well as analysis of the effects of messages in different media. The aim of the course is to give basic and advanced knowledge about generating data, which are significant and influential on all human senses only as information in graphic media. The second aim is the study of information process-

ing in light of major sensory structures (visual, auditory), which enables knowledge of different graphic elements, their communication through different media and their responsibility in social contexts.

T-P-6 VISUAL IMAGE AS A COMMUNICATION MEDIA: 10 ECTS

Lecturers ■ Klementina Možina (coordinator), Darko Slavec

In this course thoroughly studied how to notice, realize, understand, explain, describe and critically judge visible and hidden, compositional, aesthetic and communicative (positive and negative) characteristics of graphic work, starting from artistic analysis in connection with understanding and synthesis to the creation of new graphic work and visual communications in the civilized world. The work consists of informatization in basic and specific high sensitivities in the observation and evaluation of civilizations' use of graphic design and design-graphic visual systems, for the function of communication between creator and user.

T-P-7 INTERDISCIPLINARY TYPOGRAPHY: 10 ECTS

Lecturer ■ Klementina Možina

This course gives in-depth study of the influence of technological development on typography: various conventional and contemporary printing techniques, various media; role of various information carriers on typographic choice. Detailed knowledge about the influence of historical periods and artistic styles on typography is given. In-depth research of visibility, legibility and readability – their importance and role in presenting various types of texts in various media; investigation and use of appropriate research methods for their verification are thoroughly studied.

T-P-8 ADVANCED PRINTING TECHNOLOGIES, DEVELOPMENT AND APPLICATIONS: 10 ECTS

Lecturer ■ Tadeja Muck

The course presents selected topics in the field of printing technologies including 3D printing. The key parameters for each of these technologies which affect the optimal run ability, printability, productivity and economy are presented. The course introduces also a hybrid printing and the possibilities that are enabled mainly on the field of printed electronics. At 3D printing knowledge about printing technologies and the key parameters that determine the final quality of the printed object is gained.

T-P-9 INTERACTIVITY: 10 ECTS

Lecturers ■ Aleš Hladnik (coordinator), Matevž Pogačnik

The course covers the fundamental knowledge necessary for an understanding of the field of interactivity and gives a systematic overview of the trends in interactive communication in new media. A student will get a deeper understanding of the terms such as multimedia, user interfaces, user experience, human-computer interaction, multimodal and multi-sensorial interfaces, user modelling and information systems. The course also comprises an overview of procedures in prepress and processing of multimedia content that enable execution of user-centred interactive services.

T-P-10 SELECTED ISSUES IN SOCIOLOGY OF THE ARTS: 10 ECTS

Lecturer ■ Aleš Debeljak

The course focuses on the critical-historical presentation of the main features of modernity. Some of the relevant stages in the development of stylistic formations in modernity, including romanticism, realism and symbolism, will be critically unpacked. Based on this knowledge, the students gain an analytical view of European modernism and historical avant-gardes and position of art which has retained its autonomous form, but has been substantially integrated into the circuits of global capitalism and its attendant "multicultural logic".

T-P-11 THEORY OF TEXTILE AND FASHION ART: 10 ECTS

Lecturers ■ Marija Jenko (coordinator), Elena Fajt

Course deals with social criticism and formalism, the (un)culture of living and other phenomena in society that concern, mark and transform textile and fashion. It points out the importance of meaning of textile and fashion in the sphere of art, and of understanding sociological, psychological and ethical consequences of artistic interferences in different cultural environments. Students are stimulated to develop conceptual thinking through interdisciplinary views to connect different disciplines and media of their expression. They begin to research the phenomenon of the »hollow body«, performance, art market and the influence of communication technologies and scientific development in textile and fashion art.

T-P-12 THEORY OF FASHION: 10 ECTS

Lecturers ■ Almira Sadar (coordinator), Elena Fajt

Course consists of profound study of different fashion theories and specific methods of the clothing design, related to sociological, psychological and historical backgrounds of main functions and motifs of clothing. It especially points out the connections between fashion and other fields of design and in focuses on study of the relations between body and clothes. It encompasses the understanding of fashion as the complex system of signs of social life. It includes the field of production and consumption of fashion, socio-psychological interpretations of public and personal, relations between the fashion and identity, ideology etc.

T-P-13 STRUCTURE OF ART PRACTICE: 10 ECTS

Lecturers ■ Jožef Muhovič (coordinator), Dušan Kirbiš, Darko Slavec

The course deals with important issues related to artistic productive thinking, conceptualisation, articulation, materialization, and public presentation. It deals with theoretical and expression issues relating to several branches of art in historically important development turns of the modernist styles. It defines linguistic features and impacts of new artistic media - photography, film, video, digital techniques and practices, etc. - on design. It enters the field of aesthetics and makes comparisons with other artistic practices. It investigates the structure of the artistic language and explores the relations between subject, structure and substance, and ends with the presentation and verification of the effect in a public space.

T-P-14 CULTURAL STUDIES OF FASHION: 10 ECTS

Lecturer ■ Peter Stanković

The course addresses fashion from the perspective of cultural analysis. Fashion is in this context understood as a unique signifying system, in which several social relations are inscribed in: from economic, gender and sexual to ecological and political. In order to understand all these, students are firstly acquainted with the most important systems of theoretical explanations: Marxism, post-Marxism and post-structuralism, as well as the school of so-called British cultural studies. Course explores various concrete aspects of fashion, including topics as: fashion and modernity, fashion and relations of social power, fashion and construction of gender and sexual identities, fashion as spectacle, and fashion as an expression of dichotomies of the contemporary individual.

T-P-15 THEORETICAL FOUNDATIONS OF TEXTILE DESIGN: 10 ECTS

Lecturers ■ Marija Jenko (coordinator), Alenka Pavko Čuden

Course supports interdisciplinary research work, oriented toward innovative solving of different textile problems, and toward adequate valuating of textiles and their positioning into wider civilizational/cultural space. It defines and systematizes crucial theoretical elements in textile design, educates in the field of semiotics of textiles and in the understanding of complex relations between artistic elements and the identity of textile materials. It stimulates individual expression together with technological innovations of industrial production, and develops ecological awareness and all-encompassing integration of textiles for the needs of different disciplines.

T-P-16 THEORY OF COSTUME DESIGN: 10 ECTS

Lecturers ■ Almira Sadar (coordinator), Elena Fajt, Karin Košak

Course includes profound knowledge from costume-design studies, of specific methods of designing costumes for different types of shows, and of history of the theatre, drama, scene design and costum design. It upgrades the knowledge of the role of costume design and its determinants in theatre, opera and dance performances and in film, television and video. It focuses on the integration of costume design in dramaturgic, directory and scenic concept of the performances from the 1980s on. It defines the relation between fashion and design through the history and in the present times, and it shows contemporary costume-design approaches of the world most renowned costume-designers.

Short presentation of elective courses

I-S-1 ENVIRONMENTAL ASPECTS IN TEXTILES AND GRAPHICS: 10 ECTS

Lecturers ■ Petra Forte Tavčer (coordinator), Maja Klančnik

The course includes the study of environmental legislation, impact of production processes, services, materials, wastes and products on environment, environmental protection solutions, environmental monitoring, industrial wastewater treatment, decolourisation of effluents, waste management, processing and recycling of wastes of textile and graphic industry and their final products, toxic chemicals in textile and

graphic industry as well as legislation on chemicals. Environmental management systems are presented. Development of ecological products and environmental labels is discussed.

I-S-2 QUALITY – SELECTED TOPICS: 10 ECTS

Lecturer ■ Andrej Demšar

The main objective of the course is to develop the critical evaluation capability of quality management systems and procedures for constant quality improvement. Modern methods of quality management are discussed on the basis of critical analysis of practical examples. The importance of quality in order to achieve business excellence of the organization is emphasized. Different procedures for quality management (ISO 9000 family of standards, QFD, Kaizen, lean manufacturing, TQM, Taguchi methods, six sigma, 20 keys, etc.) are presented and critically evaluated.

I-S-3 ANALYSIS OF STRUCTURE AND PROPERTIES OF TEXTILE AND GRAPHIC MATERIALS – SELECTED CHAPTERS: 10 ECTS

Lecturers ■ Andrej Demšar (coordinator), Diana Gregor Svetec

The main objective of the study is to develop the capability of critical application and evaluation of modern analytical methods for the analysis of structure and properties of textile and graphic materials which are almost all polymeric materials. Some structural properties and methods which student will study in the frame of the course: molecular mass, distribution of molecular weight, surface morphology, anisotropy, thermal properties, diffusion phenomena, viscoelasticity, mass density and others. Some of these methods are more thoroughly studied in connection with students' research work.

I-S-4 RECYCLING OF POLYMERIC MATERIALS: 5 ECTS

Lecturer ■ Diana Gregor Svetec

The topic of course is environmentally responsible development and treatment of textiles and graphic products. Students gain some knowledge about polymeric materials that are used in the textile, graphic and packaging industry, as well as about their structure and properties that are connected to degradation and recovery of polymeric materials. Students learn about different processes of sorting solid polymeric waste and recycling technologies for polymeric materials, and about the influence of recycling on the properties of polymers. Information about the life-cycle of polymeric textile and graphic products is given, with the goal to optimize ecological design of these products.

I-S-5 PLASMA TECHNOLOGIES FOR TEXTILES AND GRAPHICS: 10 ECTS

Lecturers ■ Marija Gorjanc (coordinator), Miran Mozetič

The course enables the insight into the theoretical basis and application of low temperature plasma for functionalization of textile and graphic materials. It includes the overview of state of the art in the field of plasma modification of textile and graphic materials, the basis of non-equilibrium state of gas, characteristics of discharges, reactive gaseous particles in plasma, interaction between plasma radicals and materials

and functionalization and etching of materials. Characterization of textile and graphic surfaces by X-ray photoelectron spectroscopy, atomic force microscopy and scanning electron microscopy was presented. Ageing of plasma treated materials is also discussed.

I-S-6 PRINTED ELECTRONICS: 10 ECTS

Lecturer ■ Tadeja Muck

The course connects the knowledge of printing technology with the attainment of the course

Principles of electronics for application in printed electronics. In the frame of the course first experiences in the field of printed electronics, which are necessary for the application of such systems in practice are acquired. Special attention is devoted to existing printed electronic applications and to search for new innovative solutions for simple printed passive and active elements of electric circuits and their final applications.

I-S-7 DYES AND PIGMENTS IN TEXTILE AND GRAPHIC TECHNOLOGY: 5 ECTS

Lecturers ■ Sabina Bračko (coordinator), Mateja Kert

The course considers selected topics regarding dyes and pigments used in textile and graphic arts technology. In introduction, basic explanation for understanding the relationship between chemical composition and colour of substance is given. Relevant dye classes, their structure, properties and novel technological dyeing processes as well as properties of pigments as a component of printing ink are discussed in detail. Within the course, the knowledge about novel photochromic, thermochromic and electrochromic dyes and pigments is gained. Special attention is dedicated also to the ecological and toxicological problems of dyes and pigments.

I-S-8 MICROCAPSULATION: 5 ECTS

Lecturer ■ Bojana Boh Podgornik

The course deals with the development of microencapsulation technologies. Physical methods of microencapsulation and chemical methods of microencapsulation in the emulsion systems: emulsification, simple and complex coacervation, interfacial polymerization, in situ polymerization are presented. Isolation and drying of microcapsules, testing and analytics of microcapsules, formulations and applications of microcapsules in added value products, as well as uses of microcapsules in textiles and graphic communication are discussed.

I-S-9 COLOUR MEASUREMENT – SELECTED TOPICS: 5 ECTS

Lecturers ■ Sabina Bračko (coordinator), Marija Gorjanc

The course considers selected topics in the field of colour measurement. In introduction, the causes for colour formation are explained. A detailed knowledge and understanding regarding colour measurement regulations given by the International Commission on Illumination (CIE) is obtained within the course. Colour spaces, theories of colour vision and colour appearance models as well as regulations concerning dyed material preparation are discussed in detail. Standard methods for numerical assess-

ment of colour and equations for colour difference evaluation are studied on the basis of practical research work.

I-S-10 MODERN ANALYTICAL TECHNIQUES IN GRAPHIC AND TEXTILE TECHNOLOGY: 5 ECTS

Lecturer ■ Franci Kovač

Candidates are acquainted with the basic principles of modern analytical techniques and the practical choice and use of these techniques in research work in the field of graphic and textile technology. It includes a study of the transformations of substrates in real samples, separation methods and use of these techniques in research work, comparison of classical and modern instrumental methods and their possible use in real samples, identification and characterization of real samples in real matrices with UV/VIS and IR spectroscopy, GC/MS, HPLC, NMR.

I-S-11 COMPUTING AND NUMERICAL METHODS IN TEXTILE AND GRAPHICS RESEARCH: 5 ECTS

Lecturers ■ Alojz Suhadolnik (coordinator), Aleš Hladnik

The course goal is to give students knowledge on programming and numerical methods with an emphasis on textile and graphic arts problematic. Students acquire skills of independent research work using mathematical programming packages for the analysis of measured data, digital image processing, etc. Work with tools for digital data processing and digital image acquisition, as well as some samples in textile and graphics research are included.

I-S-12 PHOTOGRAPHY AS A COMMUNICATION MEDIA: 5 ECTS

Lecturers ■ Marica Starenišič (coordinator), Darko Slavec

The goal of the course is to describe and critically judge visible and hidden, compositional, aesthetic and communicative characteristics of photography, starting from artistic analysis and synthesis, to the creation of new independent photographic work, based on visual photographic solutions with variations on a selected theme, problem or motif. Specific and high sensitivities in individual observation and valuation of the novel use of photographic visual systems in the role of a communication medium. Understanding analytical coordination between contemporary and classical approaches, development of original and recognized solutions and communication specialities required by contemporary moments in civilization, as well as professional production.

I-S-13 DESIGN AND INNOVATION: 5 ECTS

Performers ■ Marija Jenko (coordinator), Karin Kosak

Course aims to provide foundation knowledge of the complexity of the design, which represents the connection of creator's idea, industrial realization, distribution network and consumer needs. It introduces procedures, methods and criteria for evaluating the quality of the design phase and later in the conversion of ideas into concepts and models. Students learn methods to identify the needs of potential users and learn to use tools to stimulate creativity. They get acquainted with the methods for testing prototypes with experimental and analytical methods as well as the ability to produce patent applications.

I-S-14 ADVANCED TECHNOLOGIES IN CLOTHING WITH SELECTED TOPICS OF 2D/3D DEVELOPMENT OF GARMENT CUTS: 10 ECTS

Lecturer ■ Matejka Bizjak

The subject critically reviews advanced technologies in clothing industry which also include seamless technology, and advanced systems for the management and control of clothing production. Advanced systems for the preparation and construction of garments, and systems for the simulation of the final product and prediction of the properties of the final product, which include draping, elastic properties, the forming ability, etc ... are presented. The course includes traditional and computer-aided 2D/3D clothing anthropometrics. Students acquire an in-depth theoretical and practical knowledge of 2D/3D development of garment patterns and the possibility of a new approach to the design of structural and functional relationship between clothing (textiles) and the body.

I-S-15 USE OF IMAGE PROCESSING AND IMAGE ANALYSIS IN GRAPHIC AND TEXTILE RESEARCH: 10 ECTS

Lecturers ■ Aleš Hladnik (coordinator), Tadeja Muck

Goal of the course is to provide a student the fundamental knowledge about the modern theory and practice of image processing and analysis. The student will learn the most common digital image processing procedures, such as point-wise and local operations, image transformations, morphological filtering and colour image processing routines. He will also become familiar with various software tools used in the field. With the acquired knowledge he or she will be able to solve a variety of problems encountered in research and/or industrial settings in papermaking, graphic technology, textile science and elsewhere.

I-S-16 THE METHODOLOGIES OF COMPUTER-AIDED DESIGN OF PRODUCTS: 10 ECTS

Lecturer ■ Helena Gabrijelčič Tomc

The course is focused on the study of methodologies of computer-aided design and prototyping products. The study includes both design and technological aspects of producing and processing bitmap and vector images and graphics as well as methods of creating patterns by repeating. With the involvement of processing and analysis of two-dimensional and three-dimensional content, the elimination of semantic elements from digital media and the transformation of the contents in a new significance with the aim of further use in computer aided design of different products is considered. Besides prototyping the course is oriented in the study of setting of various content and products in the space/time and the creation of static and dynamic presentation of computer-designed products.

I-P-1 FUNCTIONALIZATION OF TEXTILE MATERIALS: 10 ECTS

Lecturers ■ Barbara Simončič (coordinator), Marija Gorjanc, Petra Forte Tavčer, Brigita Tomšič, Tatjana Rijavec, Živa Zupin

The course includes a review of contemporary chemical and mechanical technologies of textile functionalization. The processes are studied in relation to the chemical

structure of fibres, constructional parameters of fabric. The functionalization of synthetic fibres with organic and inorganic additives in the process of fibre spinning and the use of applied techniques of functionalization in different processes of textile finishing are presented. A review of chemical agents for textile functionalization, standard methods for determining functional properties of textile fibres, and contemporary analytical methods for determining morphological, physical and chemical changes in fibres after functionalization is performed.

I-P-2 BIOTECHNOLOGY FOR TEXTILE PROCESSING: 10 ECTS

Lecturers ■ Petra Forte-Tavčer (coordinator), Bojana Boh Podgornik

The course includes a study of different biotechnological processes in the production of textile and other fibrous substrates. Students get knowledge of the basic enzymology, classification of enzymes, structure and properties of proteins, enzymatic catalysis, enzyme activity and stability, basic thermodynamics and enzyme kinetics, industrial enzymes, sources and production of enzymes, handling enzymes, biotechnological processes in finishing textiles and industrial applications. Enzymes for textile care, micro-organisms and enzymes for decolourization and enzymes in bleaching are presented. Biotechnology in the development of new fibres and the genetic modification in the production of new natural fibres are discussed.

I-P-3 ADVANCED TECHNOLOGIES FOR LINE TEXTILES PRODUCTION – SELECTED TOPICS: 10 ECTS

Lecturers ■ Dunja Šajn Gorjanc (lecturer), Stane Praček

Selected material provides an in-depth theoretical and technological expertise in the manufacture of twisted, core and advanced yarns, where their structure and properties are emphasized. Within the course frame, factors influencing the design, structure and properties of yarns are presented and analysed in detail. Classical technological processes of yarn manufacture are discussed, with an emphasis on advanced technologies of yarn forming. The impact of advanced spinning process on the properties, productivity and cost price of yarns is presented.

I-P-4 ADVANCED TECHNOLOGIES IN CLOTHING – SELECTED TOPICS: 10 ECTS

Lecturers ■ Alenka Pavko Čuden (coordinator), Krste Dimitrovski, Matejka Bizjak

The aim of the course is to explore new approaches in textile machine building and their limitations. Automation, robotics and computerization of production lines which allow the dismissal of bottlenecks in the manufacture of textiles are presented. Advanced technologies of flat textiles manufacture, specific technologies of mechanical after-treatment of textiles, modern systems for sample preparation and advanced control systems of manufacturing processes are presented. The course is aimed to qualify students for the scientific approach to the selection of cost-effective technologies for production of various textiles, and to design innovative textiles for specific purposes.

I-P-5 DYEING AND PRINTING OF TEXTILES - SELECTED TOPICS: 10 ECTS

Lecturers ■ Petra Forte Tavčer (coordinator), Mateja Kert, Marija Gorjanc

The course covers the most contemporary topics in the field of textile printing and/or dyeing. Students get knowledge of the theory of dyeing, physical-chemical properties of dye solutions, rheological properties of thickeners and inks, colour reception, textile materials and auxiliaries, fixation of dyes and functional agents on textile substrates, finding the most appropriate process from the aspect of dyed material fastness, ecology of technological phases as well as of water outlets. Special printing techniques, printing of demanding materials, printing for functionalization and transfer from digital to screen printing are discussed. Analytical methods for the material characterization and the determination of high-level quality demands are upgraded.

I-P-6 PRETREATMENT AND FINISHING OF FIBROUS SUBSTRATES - SELECTED TOPICS: 10 ECTS

Lecturers ■ Brigita Tomšič (coordinator), Barbara Simončič, Petra Forte Tavčer

The course includes intensive study of the most contemporary pretreatment and finishing processes of fibrous substrates. Pretreatment of unconventional natural and synthetic fibres and their mixtures is investigated. The influence of chemical treatment conditions on the properties of substrates is analysed. The most novel analytical techniques for the characterisation of the modified substrates are presented. Alternative bleaching agents, biocatalysts in oxidation processes and the influence of catalysts and activators on oxidation processes are studied. The relation between the chemical structure and functionality of the finishing agents, interactions between the agents and the substrates as well as the sol-gel technology are discussed.

I-P-7 TEXTILE CARE - SELECTED TOPICS: 5 ECTS

Lecturers ■ Mateja Kert (coordinator), Barbara Simončič

The course covers theoretical approaches of different processes of the textile care and their sustainability. Students intensively study the theory of wetting and washing, mechanisms of surfactants in aqueous and non-aqueous media, surfactant-soil-fibre interactions and the appropriate analytical method for the evaluation of textile care processes. An overview of modern agents for textile care and of contemporary textiles and possibility of their care is presented. Textile care processes are studied from the economic and ecological point of view. European and global guidelines of textile care processes are discussed.

I-P-8 SPECIALITY TEXTILES- SELECTED TOPICS: 5 ECTS

Lecturers ■ Matejka Bizjak (coordinator), Alenka Pavko Čuden, Tatjana Rijavec

The course provides specialist knowledge of the structure and geometry of 2D and 3D textiles for agronomy, filtration, construction, aviation, medicine, sport and leisure. Advanced structural, geometric, mechanical, comfort and other specific characteristics of these textiles are presented and analysed. The impact of raw materials, structural and manufacturing parameters on the final properties of specialty textiles is critically discussed. In addition to mastering the existing fields of application, the students are qualified to plan and find new applications.

I-P-9 ANCIENT GRAPHIC MATERIALS AND TECHNIQUES – SELECTED TOPICS: 10 ECTS

Lecturer ■ Jedert Vodopivec Tomažič

In this course the ancient graphic printing materials and techniques of manufacturing written and printed graphic products in different periods of time are presented. The aim of the course is to present the necessary knowledge for a professional to understand the selection and quality of materials and techniques used in the past in the field of graphic art, craft, manufacture and industry. These topics are necessary to solve complex advanced research tasks and to plan and implement projects which are in direct or indirect relation to the graphic cultural heritage.

I-P-10 SUSTAINABILITY AT PRODUCTION AND PROCESSING OF PAPER AND PACKAGING: 10 ECTS

Lecturers ■ Diana Gregor Svetec (coordinator), Branka Lozo

In this course paper, board and packaging are presented from sustainability viewpoint. An overview of current situation in this field is given. Knowledge is gained about biopolymers and other ecological materials; environmental friendly processes of manufacturing, finishing and re-processing of paper and packaging; testing methods for functionality evaluation and tools for evaluation of printed products and packaging sustainability; planning and eco-design of packaging according to sustainability. Selected topics are chosen according to individual research work of student.

I-P-11 PACKAGING AND GRAPHIC MATERIALS – SELECTED TOPICS: 10 ECTS

Lecturers ■ Diana Gregor Svetec (coordinator), Sabina Bračko

In this course, special topics from the field of graphic materials used for manufacturing printed products and packaging, interactions between different graphic materials, manufacturing processes of printed and packaging products, characterization of materials and products are thoroughly studied. Based on the knowledge of structure and properties of graphic and packaging materials, manufacturing processes, finishing of printed products and packaging the knowledge needed for the development of new products or improvement of existing printed products and packaging is gained.

I-P-12 METHODS FOR STUDYING OF MATERIAL – PRINT INTERACTIONS: 10 ECTS

Lecturers ■ Tadeja Muck (coordinator), Aleš Hladnik

In the frame of the course the knowledge about instrumental methods that allows objective evaluation of material-print interaction is obtained. The course is oriented towards knowledge and understanding of interactions between the surface of printing materials, coatings, printing inks, glues, varnishes and other liquid materials. Presentation and purpose of using different methods from other research areas (SEM, CLSM, AFM and others) are included for better understanding of complex problems in graphic applications.

I-P-13 QUALITY ANALYSIS OF GRAPHIC DESIGN PRODUCTS: 5 ECTS

Lecturers ■ Klementina Možina (coordinator), Darko Slavec, Helena Gabrijelčič-Tomc

The goal of this course is employment with in-depth aesthetic analysis of problems of graphic design and user experience and their connection among artistic theory, design process and final production of graphic products in different media. Aesthetic, psychological and usability function of typography, photography, moving image and correct coordination among them are discussed. Course also includes defining protocols for quality testing regarding user goals and specifications of graphic and interactive media.

I-P-14 TEXTILES IN SPACE: 10 ECTS

Performers ■ Marija Jenko (coordinator), Matejka Bizjak, Karin Košak

The course is closely related to industrial design, interior design, landscape architecture, construction, fine art and textile technology. The emphasis is on the development and design of fabrics for interior and exterior use through understanding and appreciation of architectural rules and significance in the historical and broader cultural context. When creating a new demand for modern and unique serial production, separation of public and private in organic approach takes into account the important role of textile technology, not ignoring the role of other interdisciplinary skills.

I-P-15 ADVANCED MATERIALS IN TEXTILES: 10 ECTS

Lecturers ■ Tatjana Rijavec (coordinator), Sabina Bračko, Milan Bizjak, Marjan Jenko

The course deals with active smart textiles and wide possibilities of their use, and integration of biotechnology, information technology, microelectronics, microelectromechanical devices as well as with the development of portable computers and nanotechnology. Students are introduced to fundamental physical-chemical principles of operation of smart textiles and the ability to plan and design new products, including smart textiles. Acquired knowledge of advanced materials enables collaboration and communication with experts in various disciplines.

IP-16 GENDER STUDIES, BODY AND CLOTHING: 10 ECTS

Performers ■ Alenka Švab (lecturer)

The course presents the main theoretical perspectives and study topics of gender, body and dress with the basics of epistemology and methodology of research specific to this area. It encourages critical view of sexual relationships, sexual construction of the body, clothing and fashion and related social phenomena and their placement in a variety of institutional, political, social, economic and aesthetic explanatory frameworks. It defines sexual construction of clothing and fashion, cultural and gender stereotypes, gender socialization through dressing, the relationship between clothing and nudity.

I-P-17 FASHION AND MEDIA COMMUNICATIONS: 10 ECTS

Performers ■ Maruša Pušnik (lecturer)

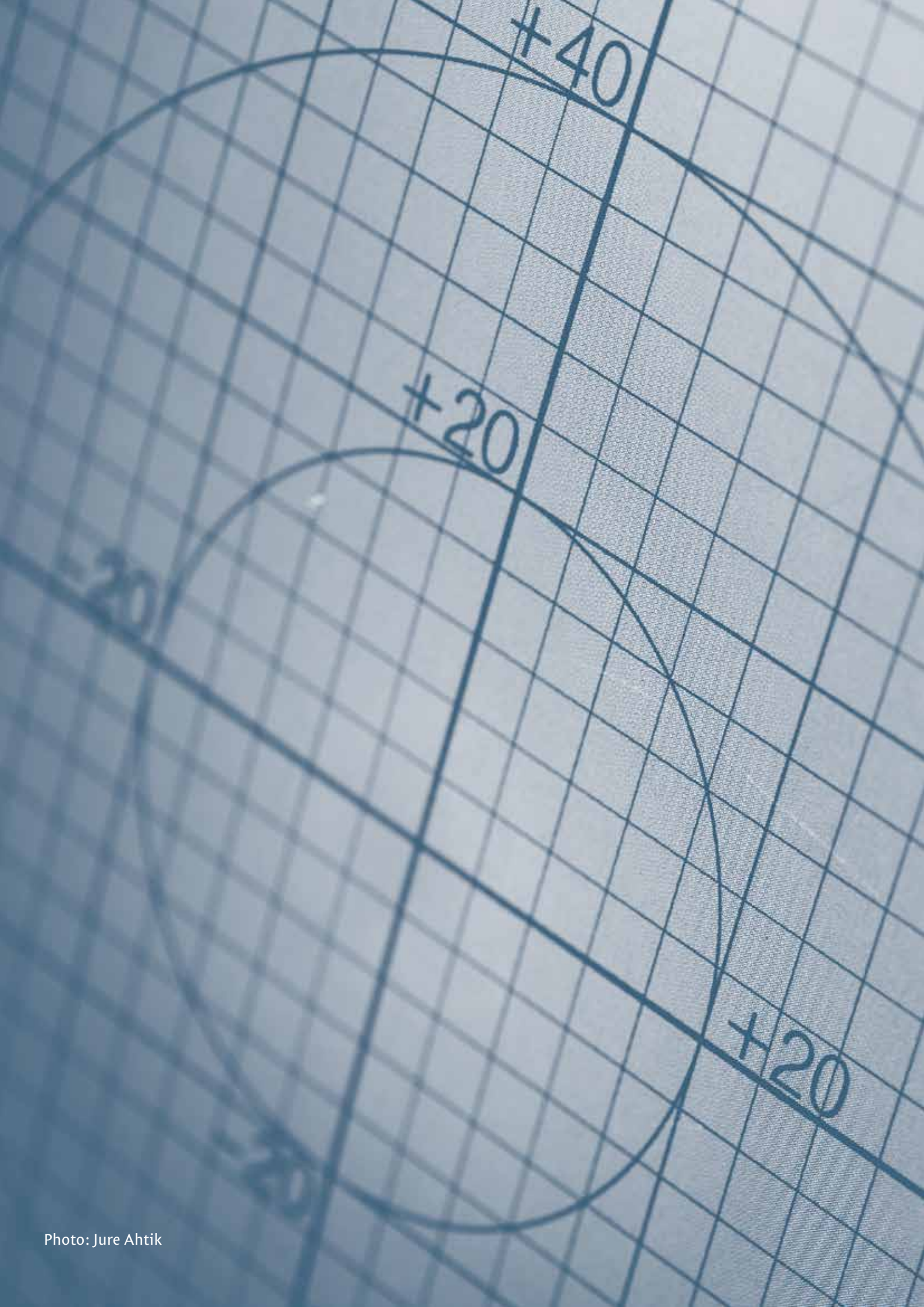
Course treats communication 'skills to operating media culture in connection with fashion industry, presents role of the media in promoting and structuring of fash-

ion in the contemporary world and outlines the importance of marketing communications and advertising for changing fashion tastes. Students gain an insight into the history and development of media, consumer and popular culture. They learn about creating fashion campaigns in the media, the method of selection of the necessary information for the promotion and communication of fashion, with the presentation of fashion brands in the visual and textual meaning, with the media industry and fashion as a communication network in contemporary society.

I-P-18 SUSTAINABLE DESIGN: 10 ECTS

Performers ■ Almira Sadar (coordinator), Marija Jenko, Elena Fajt

Course aims to provide an in-depth theoretical knowledge in the field of sustainable design and understanding of sustainable design models with an emphasis on innovative design methods and concepts based on the social aspects of sustainability. It presents the various fields of sustainable design with an emphasis on the material and social aspects of sustainable design. It opens the students a comprehensive understanding of sustainable design models and methods, which are based on a combination of ecological and ethical principles.



■ List of coordinators/lecturers and potential mentors with 3-5 references

Basic courses

T-S-1 MECHANICS – SELECTED TOPICS

Igor Dobovšek (coordinating lecturer)

- DOBOVŠEK, Igor. The influence of dislocation distribution density on curvature and interface stress in epitaxial thin films on a flexible substrate. *Int. j. mech. sci.*, ISSN 0020-7403, [Print ed.], 2010, issue 2, vol. 52, str. 212-218. [COBISS.SI-ID 15261529]
- DOBOVŠEK, Igor. A theoretical model of the interaction between plastic distortion and configurational stress on the phase transformation front. *Mater. sci. eng., A Struct. mater. : prop. microstruct. process.*, ISSN 0921-5093, [Print ed.], 2008, vol. 481-482, str. 956-361. [COBISS.SI-ID 14629209]
- DOBOVŠEK, Igor. Derivation of a shear band initiation criterion in nonlinear viscoelastic flow. V: CO, Albert (ur.), et al. *The XVth International Congress on Rheology*, Monterey, SA, USA, August 3-8, 2008, (AIP Conference Proceedings, ISSN 0094-243X, Vol. 1027). [S. l.]: American Institute of Physics, cop. 2008. [COBISS.SI-ID 14994521]
- DOBOVŠEK, Igor. Problem of a point defect, spatial regularization and intrinsic length scale in second gradient elasticity. *Mater. sci. eng., A Struct. mater. : prop. microstruct. process.*, ISSN 0921-5093, [Print ed.], 2006, vol. 423, str. 92-96. [COBISS.SI-ID 13962841]
- DOBOVŠEK, Igor. Micromechanical modeling of nanostructured materials by poly-clustering techniques. *International journal of nanoscience*, 2005, vol. 4, no. 4, str. 623-629. [COBISS.SI-ID 13904473]

Alojz Suhadolnik (lecturer)

- PEČLIN, Polona, PODBREGAR, Matej, ROZMAN, Janez, SUHADOLNIK, Alojz. A chamber for biomechanical, electrochemical and electrophysiological measurements in functional segments of peripheral nerves. *Measurement*, ISSN 0263-2241. [Print ed.], 2013, vol. 46, iss. 1, str. 654-659, ilustr. [COBISS.SI-ID 30144985],
- SUHADOLNIK, Alojz, PETRIŠIČ, Jože, KOSEL, Franc. An anchored discrete convolution algorithm for measuring length in digital images. *Measurement*, ISSN 0263-2241. [Print ed.], Aug. 2009, vol. 42, iss. 7, str. 1112-1117. [COBISS.SI-ID 11029019],
- SUHADOLNIK, Alojz, PETRIŠIČ, Jože, KOSEL, Franc. Numerical calculation of digital curve length by using anchored discrete convolution. *Image and vision computing*, ISSN 0262-8856. [Print ed.], 2008, letn. 26, št. 7, str. 990-999. [COBISS.SI-ID 10483995]

T-S-2 PHYSICAL ORGANIC CHEMISTRY WITH MODERN METHODS OF SEPARATION AND IDENTIFICATION OF ORGANIC COMPOUNDS

Janez Cerkovnik (coordinating lecturer)

- KROFLIČ, Ana, ŠARAC, Bojan, CERKOVNIK, Janez, BEŠTER-ROGAČ, Marija. Hydrophobicity of counterions as a driving force in the self-assembly process : dodecyltrimethylammonium chloride and parabens. *Colloids and surfaces. A, Physicochemical and Engineering Aspects*, ISSN 0927-7757. [Print ed.], 2014, vol. 460, no. 1, str. 108-117, ilustr. http://ac.els-cdn.com/S0927775714001307/1-s2.0-S0927775714001307-main.pdf?_tid=f7c6d39e-9487-11e3-afba-00000aacb35d&acdnat=1392279925_3dfd41bcdb545e0b24bcdcd53eb2335e, doi: 10.1016/j.colsurfa.2014.02.002. [COBISS.SI-ID 1679407]
- CERKOVNIK, Janez, PLESNIČAR, Božo. Recent advances in the chemistry of hydrogen trioxide (HOOH). *Chemical reviews*, ISSN 0009-2665. [Print ed.], 2013, vol. 113, no. 10, str. 7930-7951, ilustr. <http://pubs.acs.org/doi/ipdf/10.1021/cr300512s>, doi: 10.1021/cr300512s. [COBISS.SI-ID 1615407]
- ŠARAC, Bojan, CERKOVNIK, Janez, ANCIAN, Bernard, MÉRIGUET, Guillaume, ROGER, G., DURAND-VIDAL, S., BEŠTER-ROGAČ, Marija. Thermodynamic and NMR study of aggregation of dodecyltrimethylammonium chloride in aqueous sodium salicylate solution. *Colloid and polymer science*, ISSN 0303-402X, 2011, vol. 289, no. 14, str. 1597-1607, doi: 10.1007/s00396-011-2480-2. [COBISS.SI-ID 35268613]
- TUTTLE, Tell, CERKOVNIK, Janez, KOLLER, Jože, PLESNIČAR, Božo. The search for protonated dihydrogen trioxide (HOOH) : insights from theory and experiment. *The journal of physical chemistry. A, Molecules, spectroscopy, kinetics, environment, & general theory*, ISSN 1089-5639, 2010, vol. 114, no. 30, str. 8003-8008, doi: 10.1021/jp103882e. [COBISS.SI-ID 34295813]
- CERKOVNIK, Janez, PLESNIČAR, Božo, KOLLER, Jože, TUTTLE, Tell. Hydrotrioxides rather than cyclic tetraoxides (tetraoxolanes) as the primary reaction intermediates in the low-temperature ozonation of aldehydes. The case of benzaldehyde. *Journal of organic chemistry*, ISSN 0022-3263, 2009, vol. 74, no. 1, str. 96-101, doi: 10.1021/jo801594n. [COBISS.SI-ID 30098181]

T-S-3 OPTICS, SPECTROSCOPY AND MICROSCOPY FOR GRAPHIC AND TEXTILE APPLICATIONS

Marta Klanjšek Gunde (coordinating lecturer)

- MALOVRH REBEC, Katja, KLANJŠEK GUNDE, Marta. High-performance lighting evaluated by photobiological parameters. *Applied optics*, ISSN 1559-128X. Tiskana izd., Aug. 2014, vol. 53, iss. 23, str. 5147-5153. <http://www.opticsinfobase.org/ao/abstract.cfm?uri=ao-53-23-5147>, doi: 10.1364/AO.53.005147. [COBISS.SI-ID 5529882]
- FRIŠKOVEC, Mojca, KULČAR, Rahela, KLANJŠEK GUNDE, Marta. Light fastness and high-temperature stability of thermochromic printing inks. *Coloration technology*, ISSN 1472-3581, 2013, vol. 129, iss. 3, str. 214-222, doi: 10.1111/cote.12020. [COBISS.SI-ID 5197594]
- KLANJŠEK GUNDE, Marta, ROGELJ, Nina. Suitability of goniospectrophotometric space curves as appearance fingerprints. *Applied optics*, ISSN 1559-128X. Tiskana

izd., 2013, vol. 52, no. 12, str. 2718-2728, ilustr., doi: 10.1364/AO.52.002718. [COBISS.SI-ID 5222170]

- KULČAR, Rahela, FRIŠKOVEC, Mojca, HAUPTMAN, Nina, VESEL, Alenka, KLANJŠEK GUNDE, Marta. Colorimetric properties of reversible thermochromic printing inks. *Dyes and pigments*, ISSN 0143-7208. [Print ed.], 2010, vol. 86, no. 3, str. 271-277. [COBISS.SI-ID 23537447]

Raša Urbas (lecturer)

- URBAS, Raša, KOSTAJNŠEK, Klara, DIMITROVSKI, Krste. Impact of structure and yarn colour on UV properties and air permeability of multilayer cotton woven fabrics. *Textile research journal*, ISSN 0040-5175, 2011, vol. 81, no. 18, str. 1916-1925, ilustr., doi: 10.1177/0040517511413326. [COBISS.SI-ID 2595952]
- GABRIJELČIČ TOMC, Helena, URBAS, Raša, SLUGA, Franci, DIMITROVSKI, Krste. Influence of fabric constructional parameters and thread colour on UV radiation protection. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2009, vol. 17, no. 1 (72), str. 46-54, ilustr. [COBISS.SI-ID 2174832]
- URBAS, Raša, SLUGA, Franci, GORENŠEK, Marija, BARTENJEV, Igor. Utjecaj promjera monofilamenta na transmisiju i refleksiju ultravioletnih zraka i ultravioletni zaštitni faktor (UPF). *Tekstil*, ISSN 0492-5882, 2004, vol. 53, no. 12, str. 623-629. [COBISS.SI-ID 1452912]
- HORVAT, Maša, VIDMAR, Tjaša, MAČEK, Marijan, URBAS, Raša, GOLOB, Gorazd, ČEKADA, Miha, KLANJŠEK GUNDE, Marta. Flat-plate capacitors printed on paper. *Journal of print and media technology research*, ISSN 2223-8905, 2012, vol. 1, no. 3, str. 171-176. [COBISS.SI-ID 5056538]

T-S-4 PRINCIPLES OF ELECTRONICS FOR APPLICATION IN PRINTED ELECTRONICS

Marta Klanjšek Gunde (coordinating lecturer)

- HAUPTMAN, Nina, VESEL, Alenka, IVANOVSKI, Vladimir, KLANJŠEK GUNDE, Marta. Electrical conductivity of carbon black pigments. *Dyes and pigments*, ISSN 0143-7208. [Print ed.], 2012, vol. 95, iss. 1, str. 1-7. [COBISS.SI-ID 4939546]
- HORVAT, Maša, VIDMAR, Tjaša, MAČEK, Marijan, URBAS, Raša, GOLOB, Gorazd, ČEKADA, Miha, KLANJŠEK GUNDE, Marta. Flat-plate capacitors printed on paper. *Journal of print and media technology research*, ISSN 2223-8905, 2012, vol. 1, no. 3, str. 171-176. [COBISS.SI-ID 5056538]
- KAVČIČ, Urška, MAČEK, Marijan, MUCK, Tadeja, KLANJŠEK GUNDE, Marta. Readability and modulated signal strength of two different ultra-high frequency radio frequency identification tags on different packaging. *Packaging technology & science*, ISSN 0894-3214, 2012, vol. 25, iss. 7, str. 373-384, ilustr. <http://online-library.wiley.com/doi/10.1002/pts.988/pdf>, doi: 10.1002/pts.988. [COBISS.SI-ID 4847386]
- KLANJŠEK GUNDE, Marta, HAUPTMAN, Nina, MAČEK, Marijan, KUNAVER, Matjaž. The influence of hard-baking temperature applied for SU8 sensor layer on the sensitivity of capacitive chemical sensor. *Applied physics. A, Materials science & processing*, ISSN 0947-8396, 2009, vol. 95, no. 3, str. 673-680, doi: 10.1007/s00339-008-4966-4. [COBISS.SI-ID 4060442]

T-S-5 COLOUR MODELS AND COLOUR TRANSFORMS

Dejana Javoršek (coordinating lecturer)

- BRATUŽ, Nika, JAVORŠEK, Andrej, JAVORŠEK, Dejana. Barvne pretvorbe v CIE-CAM02 in CIELAB = Colour transforms in CIECAM02 and CIELAB. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 3, str. 222-229, ilustr. [COBISS.SI-ID 2923120]
- JAVORŠEK, Dejana, JAVORŠEK, Andrej, HLADNIK, Aleš. Comparison of chromatic adaptation transforms used in textile printing sample preparation. *Coloration technology*, ISSN 1472-3581, 2010, vol. 126, no. 5, str. 275-281. [COBISS.SI-ID 2429552]
- JAVORŠEK, Dejana. Od CIE kolorimetrije do modelov barvnega zaznavanja = From CIE colourimetry to colour appearance models. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 3, str. 176-183, ilustr. [COBISS.SI-ID 2786928]
- JAVORŠEK, Dejana, KARLOVIĆ, Igor, MUCK, Tadeja. *Reproduciranje barv in barvno upravljanje*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013. 275 str., ilustr. ISBN 978-961-6900-05-8. [COBISS.SI-ID 268823040]

T-S-6 THEORY OF COLOUR

Dejana Javoršek (coordinating lecturer)

- JAVORŠEK, Dejana, KARLOVIĆ, Igor, MUCK, Tadeja. *Reproduciranje barv in barvno upravljanje*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013. 275 str., ilustr. ISBN 978-961-6900-05-8. [COBISS.SI-ID 268823040]
- JAVORŠEK, Dejana. Od CIE kolorimetrije do modelov barvnega zaznavanja = From CIE colourimetry to colour appearance models. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 3, str. 176-183. [COBISS.SI-ID 2786928]
- JAVORŠEK, Dejana, JAVORŠEK, Andrej. Colour management in digital textile printing. *Coloration technology*, ISSN 1472-3581, vol. 127, no. 4, str. 235-239. [COBISS.SI-ID 2603376]
- GABRIJELČIČ TOMC, Helena, BRATUŽ, Nika, JAVORŠEK, Dejana. Reproduction of color in 3D space in dependence of gamma values, texture and illumination. V: *7th Symposium of Information and Graphic Arts Technology*, Ljubljana, 5-6 June 2014. URBAS, Raša (ur.). Proceedings. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2014, str. 193-198. [COBISS.SI-ID 3063152]

Darko Slavec (lecturer)

- 150 samostojnih in 171 skupinskih likovnih in fotografskih razstav doma in v tujini.
- SLAVEC, Darko. Likovna analiza slike Wilhelma Leibla Tri žene v cerkvi. *SLUT*, ISSN 2232-2213, dec. 2012, leto 5, št. 5, str. 5 - 64. [COBISS.SI-ID 2858634]
- SLAVEC, Darko, *Pogled v nebo*. Slovenj Gradec: Koroška galerija likovnih umetnosti, 2011. 127 str., ilustr. [COBISS.SI-ID 67556353]
- SLAVEC, Darko (avtor, urednik). *Fotografija*. Ljubljana: Much, 2000. 68 str., ilustr. ISBN 961-90657-1-9. [COBISS.SI-ID 106419712]
- SLAVEC, Darko (umetnik, fotograf, urednik). *Darko Slavec* : 20. oktober - 18. november 2005, Poslovni center Mercator, Galerija Mercator. [S. l.: s. n., 2005]. [22] str., ilustr. [COBISS.SI-ID 222817792]

T-S-7 DESIGN OF EXPERIMENTS AND MULTIVARIATE ANALYSIS METHODS IN GRAPHIC ARTS AND TEXTILES

Aleš Hladnik (coordinating lecturer)

- JAVORŠEK, Dejana, JERMAN, Tim, RAT, Blaž, HLADNIK, Aleš. Assessing the performance of a spectral reflectance estimation method based on a diffraction grating and a spectroradiometer. *Coloration technology*, ISSN 1472-3581, 2014, vol. 130, no. 4, str. 288-295. [COBISS.SI-ID 3042672]
- GOLEŽ, Mateja, HLADNIK, Aleš. Interpreting the age of the ruins of St. John the Baptist's church with multivariate analysis. *Journal of cultural heritage*, ISSN 1296-2074, 2013, vol. 14, issue 4, str. 354-358. [COBISS.SI-ID 1931367]
- ZUPIN, Živa, HLADNIK, Aleš, DIMITROVSKI, Krste. Prediction of one-layer woven fabrics air permeability using porosity parameters. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 2, str. 117-128. [COBISS.SI-ID 2649200]
- HLADNIK, Aleš, LAZAR, Mihael. Paper and board surface roughness characterization using laser profilometry and gray level cooccurrence matrix. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2011, vol. 26, no. 1, str. 99-105. [COBISS.SI-ID 2548336]
- HLADNIK, Aleš, MUCK, Tadeja, NOVAK, Gabrijela. Quality evaluation of ink-jet paper with principal components analysis. *International Journal of Systems Science*, ISSN 0020-7721, 2002, vol. 33, no. 8, pp. 677-687, [COBISS.SI-ID 180928]

T-P-1 FIBRE FORMING POLYMER STRUCTURE

Tatjana Rijavec (coordinating lecturer)

- MALEJ-KVEDER, Sonja, RIJAVEC, Tatjana. Dynamic mechanical properties, superstructure, and texturability of PA 6.6 partially oriented yarns. *Textile research journal*, ISSN 0040-5175, 1994, vol. 64, no. 9, str. 495-500. [COBISS.SI-ID 706928]
- RIJAVEC, Tatjana, MALEJ-KVEDER, Sonja, VUJASINOVIĆ, Edita. Istraživanje postojanosti na svjetlo multifilamentnih poliamidnih (PA 6) pređa - utjecaj specifične površine = Investigation of multifilament polyamide (PA 6) yarn fastness to light - the impact of specific surface = Untersuchung der Lichteichteit von PA - Multifilamentgarnen (PA 6) - Einfluss der spezifischen Fläche. *Tekstil*, ISSN 0492-5882, 2001, vol. 50, no. 6, str. 277-289, ilustr. [COBISS.SI-ID 984176]
- BUKOŠEK, Vili, RIJAVEC, Tatjana. Morfologija i struktura vlakana - vlakna visokih svojstava = Fibre morphology and structure - high performance fibres = Faser - Morphologie und Struktur - Hochleistungsfasern. *Tekstil*, ISSN 0492-5882, 2006, vol. 55, no. 3, str. 135-146. [COBISS.SI-ID 1642096]

T-P-2 STRUCTURE AND PROPERTIES OF TEXTILES - SELECTED TOPICS

Alenka Pavko Čuden (coordinating lecturer)

- PAVKO-ČUDEN, Alenka, HLADNIK, Aleš, SLUGA, Franci. Impact of material, structure and relaxation process parameters of elasticized single-knitted fabrics on loop length. *Textile research journal*, ISSN 0040-5175, 2013, vol. 83, no. 1, str. 56-65. [COBISS.SI-ID 2754928]

- PAVKO-ČUDEN, Alenka, HLADNIK, Aleš, SLUGA, Franci. Loop length of plain single weft knitted structure with elastane. *Journal of engineered fibers and fabrics*, ISSN 1558-9250, 2013, vol. 8, iss. 2, str. 110-120. [COBISS.SI-ID 2874736]
- PAVKO-ČUDEN, Alenka, STANKOVIČ ELESINI, Urška. Yarn diameter in elasticized knitted structures. *Industria textilæa*, ISSN 1222-5347, 2013, vol. 64, no. 6, str. 313-320. [COBISS.SI-ID 2947440]
- PAVKO-ČUDEN, Alenka, URBAS, Raša. Impact of elastane addition on UV protective properties of viscose and polyacrylonitrile knits. *Acta chimica slovenica*, ISSN 1318-0207. [Tiskana izd.], 2011, vol. 58, no. 4, str. 854-859. [COBISS.SI-ID 2680688]

Krste Dimitrovski (lecturer)

- KOSTAJNŠEK, Klara, DIMITROVSKI, Krste. Poroznost večplastnih bombažnih tkanin in njen vpliv na prepustnostne lastnosti = Multilayer cotton fabric porosity and its influence on permeability properties. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 4, str. 335-344. [COBISS.SI-ID 2966896]
- ZUPIN, Živa, HLADNIK, Aleš, DIMITROVSKI, Krste. Prediction of one-layer woven fabrics air permeability using porosity parameters. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 2, str. 117-128, ilustr., doi: 10.1177/0040517511424529. [COBISS.SI-ID 2649200]
- ŠAJN GORJANC, Dunja, DIMITROVSKI, Krste, BIZJAK, Matejka. Thermal and water vapor resistance of the elastic and conventional cotton fabrics. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 14, str. 1498-1506. [COBISS.SI-ID 2769520]
- URBAS, Raša, KOSTAJNŠEK, Klara, DIMITROVSKI, Krste. Impact of structure and yarn colour on UV properties and air permeability of multilayer cotton woven fabrics. *Textile research journal*, ISSN 0040-5175, 2011, vol. 81, no. 18, str. 1916-1925, ilustr., doi: 10.1177/0040517511413326. [COBISS.SI-ID 2595952]
- DIMITROVSKI, Krste, SLUGA, Franci, URBAS, Raša. Evaluation of the structure of monofilament PET woven fabrics and their protection properties. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 11, str. [1027]-1037. [COBISS.SI-ID 2332528]

Matejka Bizjak (lecturer)

- STANKOVIĆ, Snežana, BIZJAK, Matejka. Effect of yarn folding on comfort properties of hemp knitted fabrics. *Clothing and textiles research journal*, ISSN 1940-2473, 2014, vol. 32, no. 3, str. [202]-214. [COBISS.SI-ID 3028848]
- ŠAJN GORJANC, Dunja, BIZJAK, Matejka. The influence of constructional parameters on deformability of elastic cotton fabrics. *Journal of engineered fibers and fabrics*, ISSN 1558-9250, 2014, vol. 9, iss. 1, str. 38-46. [COBISS.SI-ID 2978160]
- ŠAJN GORJANC, Dunja, DIMITROVSKI, Krste, BIZJAK, Matejka. Thermal and water vapor resistance of the elastic and conventional cotton fabrics. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 14, str. 1498-1506. [COBISS.SI-ID 2769520]

Dunja Šajn (lecturer)

- ŠAJN GORJANC, Dunja, BIZJAK, Matejka. The influence of constructional parameters on deformability of elastic cotton fabrics. *Journal of engineered fibers and fabrics*, ISSN 1558-9250, 2014, vol. 9, iss. 1, str. 38-46. [COBISS.SI-ID 2978160]
- ŠAJN GORJANC, Dunja, DIMITROVSKI, Krste, BIZJAK, Matejka. Thermal and water vapor resistance of the elastic and conventional cotton fabrics. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 14, str. 1498-1506. [COBISS.SI-ID 2769520]
- ŠAJN GORJANC, Dunja, BUKOŠEK, Vili. The behaviour of fabric with elastane yarn during stretching. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2008, vol. 16, no. 3 (68), str. 63-68, ilustr. [COBISS.SI-ID 2174576]
- ŠAJN GORJANC, Dunja. Vpliv materiala na kakovost šiva = Influence of the material on the seam quality. *Tekstilec*, ISSN 0351-3386, 2007, letn. 50, št. 4/6, str. 77-92. [COBISS.SI-ID 1947248]
- ŠAJN GORJANC, Dunja, GERŠAK, Jelka, FLAJS, Rado. Prediction of stress relaxation of fabrics with increased elasticity. *Textile research journal*, ISSN 0040-5175, 2006, vol. 76, 10, str. 742-750. [COBISS.SI-ID 11336982]

T-P-3 SPECIALITY FIBRES – SELECTED TOPICS

Tatjana Rijavec (coordinating lecturer)

- RIJAVEC, Tatjana, BUKOŠEK, Vili. Novel fibres for the 21st century = Nova vlakna za 21. stoletje. *Tekstilec*, ISSN 0351-3386, 2009, letn. 52, št. 10/12, str. 312-327. [COBISS.SI-ID 255458304]
- RIJAVEC, Tatjana. Vpliv votlosti kapoka na sposobnost zadrževanja tekočin = Influence of kapok hollowness on its liquid retention capacity. *Tekstilec*, ISSN 0351-3386, 2009, letn. 52, št. 10/12, str. 270-283. [COBISS.SI-ID 2340976]
- ŠALEJ, Alenka, BOMBAČ, David, FAJFAR, Peter, RIJAVEC, Tatjana. Application of nickel-titanium alloys (NiTi-NOL) in smart textiles and clothes = [Primjena legura nikla i titana (NiTi-NOL) u pametnim tekstilijama i odjeći = Anwendung von Nickel-Titan-Legierungen (NiTi-NOLs) in Smarten Textilien und Bekleidung]. *Tekstil*, ISSN 0492-5882, 2011, vol. 60, no. 4, str. 123-131. [COBISS.SI-ID 2604912]

T-P-4 THEORY OF FINISHING PROCESS

Barbara Simončič (coordinating lecturer)

- SIMONČIČ, Barbara, TOMŠIČ, Brigita, OREL, Boris, JERMAN, Ivan. Biodegradation of cellulose fibers and its inhibition by chemical modification. V: ITO, Ryouichi (ur.), MATSUO, Youta (ur.). *Handbook of carbohydrate polymers : development, properties and applications, (Polymer science and technology series)*. New York: Nova Science Publishers, cop. 2010, ch. 7, str. [237]-277. [COBISS.SI-ID 2401392]
- ČERNE, Lidija, SIMONČIČ, Barbara, ŽELJKO, Matjaž. The influence of repellent coatings on surface free energy of glass plate and cotton fabric. *Applied Surface Science*, ISSN 0169-4332. [Print ed.], 2008, vol. 254, no. 20, str. 6467-6477. [COBISS.SI-ID 2027120]
- SIMONČIČ, Barbara, ČERNE, Lidija, TOMŠIČ, Brigita, OREL, Boris. Surface properties of cellulose modified by imidazolidinone. *Cellulose (Lond.)*, 2008, str. [1-12]. [COBISS.SI-ID 1879920]

- KERT, Mateja, SIMONČIČ, Barbara. The influence of nonionic surfactant structure on the thermodynamics of anionic dye-cationic surfactant interactions in ternary mixtures. *Dyes and pigments*, ISSN 0143-7208. [Print ed.], 2008, vol. 79, no. 1, str. 59-68. [COBISS.SI-ID 1978736]
- SIMONČIČ, Barbara, ROZMAN, Veronika. Wettability of cotton fabric by aqueous solutions of surfactants with different structures. *Colloids and surfaces. A, Physicochemical and Engineering Aspects*, ISSN 0927-7757. [Print ed.], 15 Jan. 2007, vol. 292, iss. 2/3, str. 236-245. [COBISS.SI-ID 1746544]

Petra Forte Tavčer (lecturer)

- FORTE-TAVČER, Petra. Interactions between some anionic dyes and cationic surfactants with different alkyl chain length studied by the method of continuous variations. *Dyes and pigments*, ISSN 0143-7208. [Print ed.], 2004, vol. 63, str. 181-189. [COBISS.SI-ID 1329520]
- FORTE-TAVČER, Petra, ŠPAN, Jože. Dye-surfactant interactions studied using Job's method. *Textile research journal*, ISSN 0040-5175, 1999, vol. 69, no. 4, str. 278-284. [COBISS.SI-ID 720496]
- GOLJA, Barbara, ŠUMIGA, Boštjan, FORTE-TAVČER, Petra. Fragrant finishing of cotton with microcapsules: comparison between printing and impregnation. *Coloration technology*, ISSN 1472-3581, 2013, vol. 129, no. 5, str. 338-346. [COBISS.SI-ID 2897008]
- FORTE-TAVČER, Petra, ŠTULAR, Danaja, AHTIK, Jure. Digital printing of anaglyph images onto textile = Anaglyph görüntülerin dijital baskı ile tekstil üzerine basılması. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2013, vol. 23, no. 4, str. 381-386. [COBISS.SI-ID 2959216]
- FORTE-TAVČER, Petra. Impregnation and exhaustion bleaching of cotton with peracetic acid. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 1, str. 3-11. [COBISS.SI-ID 2331248]

T-P-5 GENERATING AND PROCESSING INFORMATION IN GRAPHIC MEDIA – THE MESSAGE OF GRAPHIC MEDIA

Helena Gabrijelčič Tomc (coordinating lecturer)

- ERZETIČ, Blaž, GABRIJELČIČ, Helena. *3D od točke do upodobitve*. 1. natis. Ljubljana: Pasadena, 2009. 201 str., ilustr. ISBN 978-961-6361-99-6, [COBISS.SI-ID 247927040]
- KOČEVAR, Tanja Nuša, GABRIJELČIČ TOMC, Helena. Primerjava 3D simulacij tekstilij z oceno uporabe dveh aplikacij in slikovno analizo upodobitev = Comparison of 3D Textile Simulations with Evaluation of Usability of Two Applications and Image Analysis of Renderings. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 4, str. 323-334. [COBISS.SI-ID 2967152],
- FRIŠKOVEC, Mojca, GABRIJELČIČ, Helena. Development of a procedure for camouflage pattern design. *Fibres Text. East. Eur.*, 2010, vol. 81, no. 4, str. 68-76. [COBISS.SI-ID 4600602]
- FRIŠKOVEC, Mojca, GABRIJELČIČ, Helena, SIMONČIČ, Barbara. Design and evaluation of a camouflage pattern for the Slovenian urban environment. *Journal of*

imaging science and technology, ISSN 1062-3701, Mar./Apr. 2010, vol. 54, no. 2, str. 020507/1-020507/11. [COBISS.SI-ID 2369904],

- GABRIJELČIČ TOMC, Helena, DIMITROVSKI, Krste. Use of regression methods for determining the relation between theoretical-linear and spectrophotometrical colour values of bicolour woven structures. *Coloration technology*, ISSN 1472-3581, 2009, vol. 125, no. 2, str. 74-85. [COBISS.SI-ID 2175088]

T-P-6 VISUAL IMAGE AS A COMMUNICATION MEDIA

Klementina Možina (coordinating lecturer)

- MOŽINA, Klementina. *Knjižna tipografija*, (BiblioThecaria, 13). Ljubljana: Filozofska fakulteta, Oddelek za bibliotekarstvo: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2003. 302 str., ilustr. ISBN 961-237-044-3 [COBISS.SI-ID 123703808]
- MOŽINA, Klementina, ČERNIČ, Marjeta, DEMŠAR, Andrej. Nondestructive methods for chemical, optical, colorimetric and typographic characterisation of a reprint. *Journal of cultural heritage*, ISSN 1296-2074, 2007, [No.] 8, str. 339-349. [COBISS.SI-ID 1974640]
- MOŽINA, Klementina, URBANC, Tanja, RAT, Blaž, BRAČKO, Sabina. Influence of light on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2010, vol. 54, no. 6, str. 060403/1-060403/8, ilustr. [COBISS.SI-ID 2510192]
- RAT, Blaž, MOŽINA, Klementina, BRAČKO, Sabina, PODLESEK, Anja. Influence of temperature and humidity on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Sep./Oct. 2011, vol. 55, no. 5, str. 050607/1-050607/8. [COBISS.SI-ID 2677104]
- MOŽINA, Klementina, MOŽINA, Klemen, BRAČKO, Sabina. Non-invasive methods for characterisation of printed cultural heritage. *Journal of cultural heritage*, ISSN 1296-2074, 2013, vol. 14, [No.] 1, str. 8-15. [COBISS.SI-ID 2719600]

Darko Slavec (lecturer)

- 150 samostojnih in 171 skupinskih likovnih in fotografskih razstav doma in v tujini.
- SLAVEC, Darko. Likovna analiza slike Wilhelma Leibla Tri žene v cerkvi. *SLUT*, ISSN 2232-2213, dec. 2012, leto 5, št. 5, str. 5 - 64. [COBISS.SI-ID 2858634]
- SLAVEC, Darko, *Pogled v nebo*. Slovenj Gradec: Koroška galerija likovnih umetnosti, 2011. 127 str., ilustr. [COBISS.SI-ID 67556353]
- SLAVEC, Darko (avtor, urednik). *Fotografija*. Ljubljana: Much, 2000. 68 str., ilustr. ISBN 961-90657-1-9. [COBISS.SI-ID 106419712]
- SLAVEC, Darko (umetnik, fotograf, urednik). *Darko Slavec : 20. oktober - 18. november 2005*, Poslovni center Mercator, Galerija Mercator. [S. l.: s. n., 2005]. [22] str., ilustr. [COBISS.SI-ID 222817792]

T-P-7 INTERDISCIPLINARY TYPOGRAPHY

Klementina Možina (coordinating lecturer)

- MOŽINA, Klementina. *Knjižna tipografija*, (BiblioThecaria, 13). Ljubljana: Filozofska fakulteta, Oddelek za bibliotekarstvo: Naravoslovnotehniška fakulte-

ta, Oddelek za tekstilstvo, 2003. 302 str., ilustr. ISBN 961-237-044-3, [COBISS.SI-ID 123703808]

- MOŽINA, Klementina, ČERNIČ, Marjeta, DEMŠAR, Andrej. Nondestructive methods for chemical, optical, colorimetric and typographic characterisation of a reprint. *Journal of cultural heritage*, ISSN 1296-2074, 2007, [No.] 8, str. 339-349. [COBISS.SI-ID 1974640]
- MOŽINA, Klementina, URBANC, Tanja, RAT, Blaž, BRAČKO, Sabina. Influence of light on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2010, vol. 54, no. 6, str. 060403/1-060403/8. [COBISS.SI-ID 2510192]
- RAT, Blaž, MOŽINA, Klementina, BRAČKO, Sabina, PODLESEK, Anja. Influence of temperature and humidity on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Sep./Oct. 2011, vol. 55, no. 5, str. 050607/1-050607/8. [COBISS.SI-ID 2677104]
- MOŽINA, Klementina, MOŽINA, Klemen, BRAČKO, Sabina. Non-invasive methods for characterisation of printed cultural heritage. *Journal of cultural heritage*, ISSN 1296-2074, 2013, vol. 14, [No.] 1, str. 8-15. [COBISS.SI-ID 2719600]

T-P-8 ADVANCED PRINTING TECHNOLOGIES, DEVELOPMENT AND APPLICATIONS

Tadeja Muck (coordinating lecturer)

- KÖNIG, Silva, MUCK, Tadeja, GREGOR-SVETEC, Diana. The ageing resistance of offset and electrophotographic prints. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2012, vol. 27, no. 4, str. 739-749. [COBISS.SI-ID 2797168]
- GREGOR-SVETEC, Diana, ROŽIČ, Mirela, MUCK, Tadeja, LOZO, Branka. Natural zeolite as filler in base ink jet paper sheet. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2012, vol. 27, no. 4, str. 721-728. [COBISS.SI-ID 2799472]
- PAVLOVIĆ, Živko, MUCK, Tadeja, HLADNIK, Aleš, KARLOVIĆ, Igor. A comparative study of offset plate quality parameters using image processing and analytical methods. *Acta polytechnica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 6, str. 181-193. [COBISS.SI-ID 2826864]

T-P-9 INTERACTIVITY

Aleš Hladnik (coordinating lecturer)

- HLADNIK, Aleš. Image compression and face recognition: two image processing applications of principal component analysis. *International circular of graphic education and research*, ISSN 1868-0712, 2013, no. 6, str. 56-61, ilustr. [COBISS.SI-ID 3002224]
- LAZAR, Mihael, HLADNIK, Aleš, JAVORŠEK, Dejana, JERMAN, Tim. Prediction of RGB camera values by means of artificial neural networks. *Scientific Papers of the University of Pardubice. Series A, Faculty of Chemical Technology*, ISSN 1211-5541, 2013, vol. 19, str. 185-194. [COBISS.SI-ID 3002480]
- HLADNIK, Aleš, MUCK, Tadeja, STANIČ, Maja, ČERNIČ, Marjeta. Fast Fourier transform in papermaking and printing: two application examples. *Acta polytechnica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 5, str. 155-166. [COBISS.SI-ID 2826608]

- HLADNIK, Aleš, MUCK, Tadeja, LAZAR, Mihael. Frequency modulated halftone images and their objective and subjective quality assessment. V: 10[th] Seminar in Graphic Arts, 19th - 21th September 2011, Pardubice. *Conference proceedings*. Pardubice: University of Pardubice, Department of Graphic Arts and Photophysics, 2011, str. 88-92, ilustr. [COBISS.SI-ID 2606448]
- LAZAR, Mihael, HLADNIK, Aleš. Implementation of global and local thresholding algorithms in image segmentation of coloured prints. V: ENLUND, Nils (ur.), LOVREČEK, Mladen (ur.). *Advances in printing and media technology*. Vol. 35 : [proceedings of the 35th International Research Conference of iarigai, Valencia, Spain, September 2008]. Darmstadt [Germany]: International Association of Research Organizations for the Information, Media and Graphic Arts Industries, 2008, str. 341-346, ilustr. [COBISS.SI-ID 2154352]

Matevž Pogačnik (lecturer)

- GUNA, Jože, STOJMENOVA, Emilija, LUGMAYR, Artur, HUMAR, Iztok, POGAČNIK, Matevž. User identification approach based on simple gestures. *Multimedia tools and applications*, ISSN 1380-7501, Jul. 2014, vol. 71, no. 1, str. 179-194, [COBISS.SI-ID 10034516]
- GUNA, Jože, JAKUS, Grega, POGAČNIK, Matevž, TOMAŽIČ, Sašo, SODNIK, Jaka. An analysis of the precision and reliability of the leap motion sensor and its suitability for static and dynamic tracking. *Sensors*, ISSN 1424-8220, Feb. 2014, vol. 14, no. 2, str. 3702-3720, [COBISS.SI-ID 10430036]
- STOJMENOVA, Emilija, GUNA, Jože, DINEVSKI, Dejan, POGAČNIK, Matevž. A case study from Iskratel : improving the user experience in a telecommunications company. *E-society journal*, ISSN 2217-3269, 2012, vol. 3, no. 2, str. 77-84, [COBISS.SI-ID 9780564]
- POŽRL, Tomaž, KUNAVER, Matevž, POGAČNIK, Matevž, KOŠIR, Andrej, TASIČ, Jurij F. Improving human-computer interaction in personalized TV recommender. *Electrical & computer engineering*, ISSN 2228-6179, 2012, vol. 36, no. E1, str. 19-36, [COBISS.SI-ID 9550932]
- DEBELJAK, Mojca, MATJAČIĆ, Zlatko, VIDMAR, Gaj, BEŠTER, Janez, POGAČNIK, Matevž, ZUPAN, Anton. A method for selection of appropriate assistive technology for computer acces. *International journal of rehabilitation research*, ISSN 0342-5282. [Print ed.], 2010, vol. 33, issue 4, str. 298-305 [COBISS.SI-ID 1051753]

T-P-10 SELECTED ISSUES IN SOCIOLOGY OF THE ARTS

Aleš Debeljak (coordinating lecturer)

- DEBELJAK, Aleš. *Balkansko brvno : eseji o književnosti „jugoslavenske Atlantide“*. Zagreb: Fraktura, cop. 2014. 275 str., ilustr. ISBN 978-953-266-567-3. [COBISS.SI-ID 32787805]
- DEBELJAK, Aleš. *Knjiga, križ, polmesec*. Ljubljana: Zavod za kulturne dejavnosti Kultripraktik, 2012. 207 str., fotogr. ISBN 978-961-93068-2-6. [COBISS.SI-ID 261438976]
- DEBELJAK, Aleš. In praise of hybridity : globalization and the modern Western paradigm. V: SRIRAMESH, Krishnamurthy (ur.), VERČIČ, Dejan (ur.). *Culture and public relations : links and implications*, (Routledge communication series).

New York; London [i. e.] Abingdon: Routledge, 2012, str. 42-53. [COBISS.SI-ID 31241309]

- DEBELJAK, Aleš. In search of more than one : a personal vision of cosmopolitanism. V: WINTERSTEINER, Werner (ur.), GOMBOS, Georg (ur.), GRONOLD, Daniela (ur.). *Grenzverkehr / ungen : Mehrsprachigkeit, Transkulturalität und Bildung im Alpen-Adria-Raum = Ména / mejà : večjezičnost, transkulturnost in izobrazba = Confini / confronti : plurilinguismo, transculturalità e istruzione = Border dis / solutions : multiculturalism, transculturality and education*, (Wieser Wissenschaft). Klagenfurt = Celovec: Wieser, cop. 2010, str. 67-76. [COBISS.SI-ID 29862237]

T-P-11 THEORY OF TEXTILE AND FASHION ART

Marija Jenko (coordinating lecturer)

- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065-1072, ilustr. [COBISS.SI-ID 2406512]
- ŠTEMBERGER, Marjanca, JENKO, Marija. Transformacija slik v tkanino in oblačilo = Image transformation into fabric and clothing. V: 44. simpozij o novostih v tekstilstvu, Ljubljana, 6. junij 2013. SIMONČIČ, Barbara (ur.), FORTE-TAVČER, Petra (ur.). Trajnostni razvoj v tekstilstvu : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013, str. 45. [COBISS.SI-ID 3017072]
- SADAR, Almira (avtor, urednik), FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]

Elena Fajt (lecturer)

- Več kot 50 samostojnih in skupinskih razstav doma in v tujini
- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065 - 1072, ilustr. [COBISS.SI-ID 2406512]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija,

JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]

- FAJT, Elena. Would you wear hair?. V: 41st International Symposium on Novelties in Textiles, 5th International Symposium on Novelties in Graphics, 45th International Congress IFKT, Ljubljana, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Book of abstracts. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 93. [COBISS.SI-ID 3067760]

T-P-12 THEORY OF FASHION

Almira Sadar (coordinating lecturer)

- SADAR, Almira. Fashion and sustainable development. V: SIMONČIČ, Barbara (ur.), HLADNIK, Aleš (ur.), PAVKO-ČUDEN, Alenka (ur.), AHTIK, Jure (ur.), LUŠTEK PRESKAR, Barbara (ur.), DEMŠAR, Andrej (ur.), URBAS, Raša (ur.). 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 143-146, ilustr. [COBISS.SI-ID 2392432]
- SADAR, Almira, FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]
- SADAR, Almira. O modi. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384]

Elena Fajt (lecturer)

- Več kot 50 samostojnih in skupinskih razstav doma in v tujini, dva kontinuirana oblikovalska projekta (Hairsense in shirting ...), nagrade in priznanja
- JENKO, Marija, FAJT, Elena, GORENŠEK Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065 - 1072, ilustr. [COBISS.SI-ID 2406512]
- GORJANC, Marija, JENKO, Marija, FAJT, Elena. Oblikovanje potovalnih tekstilnih dodatkov "Potujoči Jaz (Portable I)". V: 43. simpozij o novostih v tekstilstvu, Tekstilna obzorja, Ljubljana, 7. junij 2012. SIMONČIČ, Barbara (ur.), GORJANC, Marija (ur.). Tekstilna obzorja : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška

fakulteta, Oddelek za tekstilstvo, 2012, str. 25. [COBISS.SI-ID 2743664]

- FAJT, Elena. Would you wear hair?. V: 41st International Symposium on Novelties in Textiles, 5th International Symposium on Novelties in Graphics, 45th International Congress IFKT, Ljubljana, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Book of abstracts. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 93. [COBISS.SI-ID 3067760]

T-P-13 STRUCTURE OF ART PRACTICE

Jožef Muhovič (coordinating lecturer)

- KOCIJANČIČ, Gorazd (avtor, avtor dodatnega besedila), SNOJ, Vid (avtor, avtor dodatnega besedila), MUHOVIČ, Jožef (avtor, avtor dodatnega besedila). *Über das Geistige in der Kunst - zum zweiten Mal*, (Austria: Forschung und Wissenschaft, Philosophie, Bd 12). Wien; Berlin; Münster: LIT, cop. 2010. 102 str., ilustr. ISBN 978-3-643-50208-7. [COBISS.SI-ID 254356736]
- MUHOVIČ, Jožef. *S slikarstvom na štiri oči : deset seans*, (Zbirka Act:A, 7). Ljubljana: Raziskovalni inštitut Akademije za likovno umetnost in oblikovanje, 2012. 245 str., ilustr. ISBN 978-961-92733-9-5. [COBISS.SI-ID 261010688]
- MUHOVIČ, Jožef. Modernism as the Mobilization and Critical Period of Secular Metaphysics. The Case of Fine/Plastic Art. *Filozofski vestnik*, 2014, letn. XXXV, št. 2, str. 47-65.
- MUHOVIČ, Jožef. *Leksikon likovne teorije*, Celje: Mohorjeva družba (izide septembra 2015).

Dušan Kirbiš (lecturer)

- *Pleme / Tribù*, razstavišče Monfort Portorož (vabilo, razprava: Miško Šuvakovič. *Singularnost podvojevanja*, Andrej Medved: Kirbiševa Črna sonca) 4. 3. 2011 do 16. 4. 2011. [COBISS.SI-ID 255035136]
- ART KARLSRUHE, Dusan Kirbis, *On the Human Rights, The Baffled View*, Galerie Gabriel Wien, Karlsruhe, katalog.
- SKORAJ POMLAD/ALMOST SPRING, 100 let slovenske umetnosti 1912-2012 /selected art works of Slovenian visual arts during the years 1912-2012, UGM Umetnostna galerija Maribor + Slavija N°11, UGM Artgallery + Slavija N°11
- LA MAGIA DELL' ARTE, Villa Manin, Passariano di Codroipo, Sala convegni (12.4. - 22. 6. 14) Katalog.60! PANORAMA, Razstava zbirke UGM ob 60. obletnici, Umetnostna galerija Maribor, 11. 4. 2014 do 2. 11. 2014
- PODOBE TELESA/KOERPERBILDER: Angažirana figuralika v moderni in sosodobni umetnosti v Sloveniji in na Avstrijskem Koroškem. Museum Werner Berg Bleiburg in Koroška galerija likovnih umetnosti, Slovenj Gradec 10. 5. 2014 do 10. 11. 2014 (katalog)

Darko Slavec (lecturer)

- 150 samostojnih in 171 skupinskih likovnih in fotografskih razstav doma in v tujini
- SLAVEC, Darko. Likovna analiza slike Wilhelma Leibla *Tri žene v cerkvi*. *SLUT*, ISSN 2232-2213, dec. 2012, leto 5, št. 5, str. 5 - 64. [COBISS.SI-ID 2858634]

- SLAVEC, Darko, *Pogled v nebo*, Slovenj Gradec, Koroška galerija likovnih umetnosti, monografija, 11 2011, 128 strani [COBISS.SI-ID 67556353]
- SLAVEC, Darko (umetnik, fotograf, urednik). *Darko Slavec* : 20. oktober - 18. november 2005, Poslovni center Mercator, Galerija Mercator. [S. l.: s. n., 2005]. [22] str., ilustr. [COBISS.SI-ID 222817792]
- PLAŽH, Lara, SLAVEC, Darko, JEVŠNIK, Simona. Compositional principles in blue-printing models and their application to modern patterns. V: *12th World Textile Conference AUTEX 2012*, 13th -15th June 2012, Zadar, Croatia. MIJOVIĆ, Budimir (ur.). *Book of proceedings : innovative textile for high future demands*. Zagreb: Faculty of Textile Technology, University of Zagreb, 2012, str. 1245-1252, ilustr. [COBISS.SI-ID 1024321376]

Marjeta Godler (lecturer)

- Izvedenih 50 samostojnih in skupinskih razstav v tujini in doma, sodelovala je na vsaj 5 umetniških simpozijih doma in v tujini in ima okoli 15 projektov s študenti, ki so bili javno prezentirani
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. *Več svetlobe! = More light!* : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]
- GODLER, Marjeta (intervjuvanec), STAREŠINIČ, Marica (intervjuvanec). *Planéty, ako ich nepoznáte* : [razstava Planetary illusions dance, Galerija Umelka Bratislava, 2014] : [sodelovanje v oddaji na TABLET.TV, Bratislava, 6. Aug. 2014, ob 16:59h]. Bratislava: TABLET.TV, 6. 8. 2014. 1 minuta in 20 sekund. <http://tablet.tv/spravodajstvo/planetary-illusions-dancemp453e242cd06361d526050ed12/611/>. [COBISS.SI-ID 3049328]
- MARINKO, Andra (urednik), SEŠLAR-ZALOŽNIK, Vera (urednik), GODLER, Marjeta (urednik). *[Oko, srce, drevo] : sodobna idrijska čipka = [Eye, heart, tree] : contemporary Idrija lace*. Ljubljana; Idrija: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013. 175 str., ilustr. ISBN 978-961-6900-03-4. [COBISS.SI-ID 267269632]

T-P-14 CULTURAL STUDIES OF FASHION

Peter Stanković (coordinating lecturer)

- STANKOVIĆ, Peter. *Toward a Slovene cultural studies*. *Cultural studies*, ISSN 0950-2386, Sep. 2010, vol. 24, no. 5, str. 613-636. [COBISS.SI-ID 29650269]
- ŠVAB, Alenka, STANKOVIĆ, Peter. *Please, take your shoes off! : Slovenian rules of changing to slippers and the question of Slovenian clothing culture*. V: *Identity : representation & practices : book of abstracts*, IRP 2014. [S. l.: s. n., 2014], str. 14-15. [COBISS.SI-ID 32883549]
- STANKOVIĆ, Peter. *Politike popa : uvod v kulturne študije*, (Knjižna zbirka Maklen). Ljubljana: Fakulteta za družbene vede, 2006. 198 str., ilustr. ISBN 961-235-231-3. [COBISS.SI-ID 225211648]
- STANKOVIĆ, Peter. *When alternative ends up as mainstream : Slovene popular music as cultural heritage*. *IJHS. International journal of heritage studies*, ISSN

1352-7258, 2014, vol. 20, no. 3, str. 297-315. [COBISS.SI-ID 32148061]

- STANKOVIĆ, Peter. Konstrukcije rodnih identiteta i odnosi moći između muškaraca i žena u slovenskom partizanskom filmu. *Hrvatski filmski ljetopis*, ISSN 1330-7665, jesen 2013, god. 19, br. 75, str. 123-141. [COBISS.SI-ID 32616797]

T-P-15 THEORETICAL FOUNDATIONS OF TEXTILE DESIGN

Marija Jenko (coordinating lecturer)

- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065-1072, ilustr. [COBISS.SI-ID 2406512]
- ŠTEMBERGER, Marjanca, JENKO, Marija. Transformacija slik v tkanino in oblačilo = Image transformation into fabric and clothing. V: 44. simpozij o novostih v tekstilstvu, Ljubljana, 6. junij 2013. SIMONČIČ, Barbara (ur.), FORTE-TAVČER, Petra (ur.). Trajnostni razvoj v tekstilstvu : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013, str. 45. [COBISS.SI-ID 3017072]
- SADAR, Almira (avtor, urednik), FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]

Alenka Pavko Čuden (lecturer)

- RANT, Darja, PAVKO-ČUDEN, Alenka. Zložljive levo-leve pletene strukture z okse-tičnim potencialom = Foldable links-links knitted structures with auxetic potential. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 3, str. 190-197, ilustr. [COBISS.SI-ID 2912112]
- PAVKO-ČUDEN, Alenka, POTOČIĆ MATKOVIĆ, Vesna Marija. Knitting technology and design. V: 9th Autex Conference, May 26-28, 2009, Izmir, Turkey. *Proceedings of the 9th Autex Conference*. Izmir: Ege University, Engineering Faculty, Department of Textile Engineering, 2009, str. 1206-1211. [COBISS.SI-ID 2244208]
- PAVKO-ČUDEN, Alenka. The future is paved by innovation: unconventional knitted structures. V: International Symposium in Knitting and Apparel, 21 - 22 June, Iași, Romania. *Textile of the future : ISKA 2013 : book of abstracts*. Iași: Performantica, 2013, str. 13. [COBISS.SI-ID 2890608]
- RANT, Darja, PAVKO-ČUDEN, Alenka. Design of multifunctional weft knitted structures with auxetic potential. V: 17th Techtexil symposium [and] 7th Avantex symposium, Frankfurt, Germany, June 11 to 13, 2013. *Innovations for life : [proce-*

edings]. Frankfurt am Main: Messe Frankfurt Exhibition, 2013, 27 str., ilustr. [COBISS.SI-ID 2906992]

T-P-16 THEORY OF COSTUME DESIGN

Almira Sadar (coordinating lecturer)

- SADAR, Almira. Fashion and sustainable development. V: SIMONČIČ, Barbara (ur.), HLADNIK, Aleš (ur.), PAVKO-ČUDEN, Alenka (ur.), AHTIK, Jure (ur.), LUŠTEK PRESKAR, Barbara (ur.), DEMŠAR, Andrej (ur.), URBAS, Raša (ur.). 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 143-146, ilustr. [COBISS.SI-ID 2392432]
- SADAR, Almira, FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]
- SADAR, Almira. O modi. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384]

Karin Košak (lecturer)

- Več kot 60 izvedenih gledaliških, opernih in filmskih kostumografij oz. scenografij v Avstriji, Švici, Italiji in Sloveniji
- KOŠAK, K.. Razvoj oblikovanja. Ljubljana: Naravoslovno-tehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384] / Univerzitetni učbenik z recenzijo
- KOŠAK, Karin. Solving problems in contemporary design. V: 41st International Symposium on Novelties in Textiles and 5th in International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 486-490, ilustr. [COBISS.SI-ID 2378096] / Objavljeni strokovni prispevek na konferenci
- KOŠAK ORLAČ, K.: Bühnenbilder und Kostüme, Theater Akzent/ Wiener Festwochen/ Dunaj, Avstrija, 1999; katalog [COBISS.SI-ID 624752] / Razstava in katalog
- KOŠAK, Karin (urednik). Forbidden love. Here. Now. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. 1 optični disk (CD-ROM). ISBN 978-961-6045-68-1. [COBISS.SI-ID 245939200] / Kostumografska delavnica v Bratislavi na Slovaškem (mentor)

Elena Fajt (lecturer)

- Več kot 40 kostumografij za gledališke in plesne predstave doma in v tujini ter celo večerne in kratke filme
- JENKO, Marija, FAJT, Elena, GORENŠEK Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065 - 1072, ilustr. [COBISS.SI-ID 2406512]
- GORJANC, Marija, JENKO, Marija, FAJT, Elena. Oblikovanje potovalnih tekstilnih dodatkov "Potujoči Jaz (Portable I)". V: 43. simpozij o novostih v tekstilstvu, Tekstilna obzorja, Ljubljana, 7. junij 2012. SIMONČIČ, Barbara (ur.), GORJANC, Marija (ur.). Tekstilna obzorja : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2012, str. 25. [COBISS.SI-ID 2743664]
- FAJT, Elena. Would you wear hair?. V: 41st International Symposium on Novelties in Textiles, 5th International Symposium on Novelties in Graphics, 45th International Congress IFKT, Ljubljana, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Book of abstracts. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 93. [COBISS.SI-ID 3067760]

Elective courses

I-S-1 ENVIRONMENTAL ASPECTS IN TEXTILES AND GRAPHICS

Petra Forte Tavčer (coordinating lecturer)

- ŽURGA, Zala, FORTE-TAVČER, Petra. Apparel purchasing with consideration of eco-labels among Slovenian consumers. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2014, vol. 22, no. 5 (107), str. 20-27, ilustr. <http://www.fibtex.lodz.pl/article1334.html>. [COBISS.SI-ID 3050096]
- ŽURGA, Zala, FORTE-TAVČER, Petra. Zbiranje popotrošniških tekstilnih odpadkov v zbirnih centrih po Sloveniji = Collection of post-consumer textile waste in assembly centres across Slovenia. *Tekstilec*, ISSN 0351-3386, 2014, vol. 57, no. 1, str. 43-61,
- PREŠA, Polonca, FORTE-TAVČER, Petra. Low water and energy saving process for cotton pretreatment. *Textile research journal*, ISSN 0040-5175, 2009, vol. 79, no. 1, str. [76]-88, ilustr. [COBISS.SI-ID 2110320]
- FORTE-TAVČER, Petra. Čiščenje odpadne tehnološke vode pri tiskanju s pigmenti = Treatment of waste water at pigment printing. *Tekstilec*, ISSN 0351-3386, 2003, vol. 46, no. 5/6, str. 120-126. [COBISS.SI-ID 1236592]
- ŽURGA, Zala, FORTE-TAVČER, Petra. Zeleno potrošništvo in upoštevanje ekoloških oznak pri nakupu tekstilij = Green consumerism, recognition and consideration of eco labels at textile purchase. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 2, str. 100-110, ilustr. [COBISS.SI-ID 2882672]

Maja Klančnik (lecturer)

- KLANČNIK, Maja. Kinetics of hydrolysis of halogeno-s-triazine reactive dyes as a function of temperature. *Chemical and biochemical engineering quarterly*, ISSN 0352-9568, 2008, vol. 22, no. 1, str. 81-88. [COBISS.SI-ID 2011504]

- KLANČNIK, Maja. Dyeability of new polyesters. *Coloration technology*, ISSN 1472-3581, 2006, vol. 122, no. 6, str. 334-337. [COBISS.SI-ID 1746800]
- TABOR, Tanja, KLANČNIK, Maja. Adsorption of printing ink from wastewater. V: 7th Symposium of Information and Graphic Arts Technology, Ljubljana, 5-6 June 2014. URBAS, Raša (ur.). Proceedings. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2014, str. 235-240. [COBISS.SI-ID 3065968]
- KLANČNIK, Maja, ŽUVELA, Tanja. Treatment of wastewater containing flexographic printing ink by activated carbon and orange peels. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 846-850, ilustr. [COBISS.SI-ID 2386800]
- KLANČNIK, Maja, URBANC, Meta. Adsorption treatment of printing ink wastewater. V: BOLANČA, Zdenka (ur.). 13th International conference on printing, design and graphic communications : Blaž Baromić 09 : September 30th - October 2nd, 2009 : proceedings. Zagreb: University of Zagreb, Faculty of Graphic Arts, Croatia [etc.], 2009, str. 79-82. [COBISS.SI-ID 2271600]

I-S-2 QUALITY – SELECTED TOPICS

Andrej Demšar (coordinating lecturer)

- KAVKLER, Katja, DEMŠAR, Andrej. Application of FTIR and Raman spectroscopy to qualitative analysis of structural changes in cellulosic fibres = Uporaba FTIR in ramanske spektroskopije pri kvalitativni analizi strukturnih sprememb celuloznih vlaken. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 1, str. 19-44, ilustr. [COBISS.SI-ID 2727792]
- DEMŠAR, Andrej, ŽNIDARČIČ, Dragan, GREGOR-SVETEC, Diana. Impact of UV radiation on the physical properties of polypropylene floating row covers. *African journal of biotechnology*, ISSN 1684-5315, 2011, vol. 10, no. 41, str. 7998-8006. [COBISS.SI-ID 6760057]
- KAVKLER, Katja, GUNDE-CIMERMAN, Nina, ZALAR, Polona, DEMŠAR, Andrej. FTIR spectroscopy of biodegraded historical textiles. *Polymer degradation and stability*, ISSN 0141-3910, 2011, vol. 96, no. 4, str. 574-580, [COBISS.SI-ID 512456491]
- MOŽINA, Klementina, ČERNIČ, Marjeta, DEMŠAR, Andrej. Non-destructive methods for chemical, optical, colorimetric and typographic characterisation of a reprint. *Journal of cultural heritage*, ISSN 1296-2074, 2007, [No.] 8, str. 339-349. [COBISS.SI-ID 1974640]
- DEMŠAR, Andrej, BUKOŠEK, Vili, KLJUN, Alenka. Dynamic mechanical analysis of nylon 66 cord yarns. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2010, vol. 18, no. 4 (81), str. 29-34, ilustr. [COBISS.SI-ID 2426480]

I-S-3 ANALYSIS OF STRUCTURE AND PROPERTIES OF TEXTILE AND GRAPHIC MATERIALS – SELECTED CHAPTERS

Andrej Demšar (coordinating lecturer)

- DEMŠAR, Andrej, MOŽINA, Klemen. *Mehanske tekstilne preiskave : vaje*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. XII, 56 str., ilustr. [COBISS.SI-ID 2295408]
- KAVKLER, Katja, DEMŠAR, Andrej. Application of FTIR and Raman spectroscopy to qualitative analysis of structural changes in cellulosic fibres = Uporaba FTIR in ramanske spektroskopije pri kvalitativni analizi strukturnih sprememb celuloznih vlaken. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 1, str. 19-44, ilustr. [COBISS.SI-ID 2727792]
- DEMŠAR, Andrej, ŽNIDARČIČ, Dragan, GREGOR-SVETEC, Diana. Impact of UV radiation on the physical properties of polypropylene floating row covers. *African journal of biotechnology*, ISSN 1684-5315, 2011, vol. 10, no. 41, str. 7998-8006. [COBISS.SI-ID 6760057]
- DEMŠAR, Andrej, BUKOŠEK, Vili, KLJUN, Alenka. Dynamic mechanical analysis of nylon 66 cord yarns. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2010, vol. 18, no. 4 (81), str. 29-34, ilustr. [COBISS.SI-ID 2426480]
- MOŽINA, Klementina, ČERNIČ, Marjeta, DEMŠAR, Andrej. Non-destructive methods for chemical, optical, colorimetric and typographic characterisation of a reprint. *Journal of cultural heritage*, ISSN 1296-2074, 2007, [No.] 8, str. 339-349. [COBISS.SI-ID 1974640]

Diana Gregor Svetec (lecturer)

- KÖNIG, Silva, GREGOR-SVETEC, Diana, HLADNIK, Aleš, MUCK, Tadeja. Assessing the lightfastness of prints by image chrominance histogram quantification. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2012, vol. 56, no. 6, str. 060507/1-060507/7, ilustr. [COBISS.SI-ID 2873712]
- KÖNIG, Silva, KLANJŠEK GUNDE, Marta, SZENTGYÖRGYVÖLGYI, Rozália, GREGOR-SVETEC, Diana. FT-IR and UV/VIS analysis of classic and recycled papers. *Papiripar*, ISSN 0031-1448, 2012, letn. 56, št. 4, str. 7-13, graf. prikazi. [COBISS.SI-ID 2849648]
- STANIĆ, Maja, LOZO, Branka, GREGOR-SVETEC, Diana. Colorimetric properties and stability of 3D prints. *Rapid prototyping journal*, ISSN 1355-2546, 2012, vol. 18, iss. 2, str. 120-128. [COBISS.SI-ID 2688112]
- GREGOR-SVETEC, Diana, SFILIGOJ-SMOLE, Majda. Homogeneity of poly(propylene) and poly(ethylene terephthalate) fibers. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 15, str. 1569-1580, ilustr., doi: 10.1177/0040517510363190. [COBISS.SI-ID 2351728]
- SFILIGOJ-SMOLE, Majda, GREGOR-SVETEC, Diana. Microvoid system in fibres. *Acta chimica slovenica*, ISSN 1318-0207. [Tiskana izd.], dec. 2002, 49, 4, str. 773-782. [COBISS.SI-ID 7604758]

I-S-4 RECYCLING OF POLYMERIC MATERIALS

Diana Gregor Svetec (coordinating lecturer)

- TIŠLER KORLJAN, Barbara, GREGOR-SVETEC, Diana. Properties and printability of compression moulded recycled polyethylene. *Materials & design*, ISSN 0264-1275. [Print ed.], Mar. 2014, vol. 55, str. 583-590, ilustr. [COBISS.SI-ID 2925680]
- JOHANSSON, Caïsa, BRAS, Julien, MONDRAGON, Inaki, NECHITA, Petronela, PLACKETT, David, ŠIMON, Peter, GREGOR-SVETEC, Diana, VIRTANEN, Sanna, GIACINTI BASCHETTI, Marco, BREEN, Chris, CLEGG, Francis, AUCEJO, Susana. Renewable fibers and bio-based materials for packaging applications - a review of recent developments. *Bioresources*, ISSN 1930-2126, 2012, vol. 7, no. 2, str. 2506-2552. [COBISS.SI-ID 2708336]
- GREGOR-SVETEC, Diana, TIŠLER KORLJAN, Barbara, LESKOVŠEK, Mirjam, SLUGA, Franci. Monofilaments produced by blending virgin with recycled polypropylene = Ham ve geri dönüşüm polipropilen polimerlerinin karışımından elde edilen monofilamentler. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2009, vol. 19, no. 3, str. 181-188. [COBISS.SI-ID 2250096]
- GREGOR-SVETEC, Diana, UDIR, Nina, MUCK, Tadeja. Utjecaj dodavanja master batcha na mehanička svojstva reciklirane poliolefinske plastike i kvalitetu otiska = [The influence of the addition of master batch on the tensile properties and print quality of recycled polyolefin plates]. V: Znanstveno stručni simpozij Tiskarstvo 09, od 19. do 21. veljače 2009, Stubičke Toplice. ŽILJAK, Vilko (ur.). *Tiskarstvo 09*. [Zagreb]: Akademije tehničkih znanosti Hrvatske, 2009. [COBISS.SI-ID 2171760]
- GREGOR-SVETEC, Diana. High modulus polypropylene fibers. 2, Influence of fiber preparation upon structure and morphology. *Journal of applied polymer science*, ISSN 0021-8995, 2006, vol. 100, no. 2, str. 1067-1082. [COBISS.SI-ID 1627504]

I-S-5 PLASMA TECHNOLOGIES FOR TEXTILES AND GRAPHICS

Marija Gorjanc (coordinating lecturer)

- GORJANC, Marija, JAZBEC, Katja, ŠALA, Martin, ZAPLOTNIK, Rok, VESEL, Alenka, MOZETIČ, Miran. Creating cellulose fibres with excellent UV protective properties using moist CF₄ plasma and ZnO nanoparticles. *Cellulose*, ISSN 0969-0239, 2014, vol. 21, iss. 4, str. 3007-3021. [COBISS.SI-ID 3006576]
- GORJANC, Marija, JAZBEC, Katja, ZAPLOTNIK, Rok. Tailoring surface morphology of cotton fibers using mild tetrafluoromethane plasma treatment. *The journal of The Textile Institute*, ISSN 0040-5000, 2014, vol. 105, issue 11, str. 1178-1185 [COBISS.SI-ID 27430695]
- GORENŠEK, Marija, GORJANC, Marija, BUKOŠEK, Vili, KOVAČ, Janez, JOVANČIĆ, P., MIHAILOVIĆ, Darka. Functionalization of PET fabrics by corona and nano silver. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 3, str. 253-262. [COBISS.SI-ID 2308976]

Miran Mozetič (lecturer)

- PERŠIN, Zdenka, MAVER, Uroš, PIVEC, Tanja, MAVER, Tina, VESEL, Alenka, MOZETIČ, Miran, STANA-KLEINSCHEK, Karin. Novel cellulose based materials for safe

and efficient wound treatment. *Carbohydrate polymers*, ISSN 0144-8617. [Print ed.], jan. 2014, vol. 100, str. 55-64 [COBISS.SI-ID 16864278]

- KREGAR, Zlatko, ZAPLOTNIK, Rok, MOZETIČ, Miran, MILOŠEVIĆ, Slobodan. Comparison of spatial distributions of atomic oxygen and hydrogen in ICP by means of catalytic probes and actinometry. *Vacuum*, ISSN 0042-207X. [Print ed.], 2014, vol. 109, str. 8-14 [COBISS.SI-ID 27890983]
- KREGAR, Zlatko, BIŠČAN, Marijan, MILOŠEVIĆ, Slobodan, MOZETIČ, Miran, VESEL, Alenka. Interaction of argon, hydrogen and oxygen plasma early afterglow with polyvinyl chloride (PVC) materials. *Plasma processes and polymers*, ISSN 1612-8850, 2012, vol. 9, no. 10, str. 1020-1027 [COBISS.SI-ID 26186279]

I-S-6 PRINTED ELECTRONICS

Tadeja Muck (coordinating lecturer)

- KAVČIČ, Urška, PIVAR, Matej, ĐOKIĆ, Miloje, GREGOR-SVETEC, Diana, PAVLOVIČ, Leon, MUCK, Tadeja. UHF RFID tags with printed antennas on recycled papers and cardboards = UHF RFID-značke z natisnjenimi antenami na recikliranem papirju on kartonu. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], 2014, vol. 48, no. 2, str. 261-267, [COBISS.SI-ID 2992752]
- ĐOKIĆ, Miloje, RADONIĆ, Vasa, MLADENOVIČ, Vladan, PLETERŠEK, Anton, KAVČIČ, Urška, HLADNIK, Aleš, CRNOJEVIĆ-BENGIN, Vesna, MUCK, Tadeja. The influence of lamination and conductive printing inks on smart-card operability = Vpliv laminacije in prevodnih tiskarskih barv na delovanje pametnih kartic. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], 2014, vol. 48, no. 4, str. 497-504, [COBISS.SI-ID 3044464]
- MRAOVIĆ, Matija, MUCK, Tadeja, PIVAR, Matej, TRONTELJ, Janez, PLETERŠEK, Anton. Humidity sensors printed on recycled paper and cardboard. *Sensors*, ISSN 1424-8220, Aug. 2014, vol. 14, no. 8, str. 13628-13643, [COBISS.SI-ID 10694484]
- KAVČIČ, Urška, PAVLOVIČ, Leon, PIVAR, Matej, ĐOKIĆ, Miloje, BATAGELJ, Boštjan, MUCK, Tadeja. Printed electronics on recycled paper and cardboards = Tiskana elektronika na recikliranem papirju in kartonu. *Informacije MIDEM*, ISSN 0352-9045, 2013, vol. 43, no. 1, str. 50-57, [COBISS.SI-ID 2869872]
- KAVČIČ, Urška, MAČEK, Marijan, MUCK, Tadeja, KLANJŠEK GUNDE, Marta. Repeatability and modulated signal strength of two different ultra-high frequency radio frequency identification tags on different packaging. *Packaging technology & science*, ISSN 0894-3214, 2012, vol. 25, iss. 7, str. 373-384, [COBISS.SI-ID 4847386]

I-S-7 DYES AND PIGMENTS IN TEXTILE AND GRAPHIC TECHNOLOGY

Sabina Bračko (coordinating lecturer)

- BLAZNIK, Barbara, MOŽINA, Klementina, BRAČKO, Sabina. Stability of ink-jet prints under influence of light. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2013, vol. 28, no. 1, str. 111-118. [COBISS.SI-ID 2864752]
- BLAZNIK, Barbara, BRAČKO, Sabina. Vpliv optičnih belilnih sredstev v papirju na svetlobno obstojnost črnih odtisov = Influence of optical brightening agents in paper on light fastness of black prints. *Papir*, ISSN 0350-6614, 2012, letn. 41, št. 8, str. 26-29. [COBISS.SI-ID 2823536]

- BRAČKO, Sabina, RIJAVEC, Tatjana, BIZJAK, Grega, GORENŠEK, Marija. Impregnation dyeing of cotton/polyester spun yarn mixture with photoluminescent pigments = Pamuk/poliester iplik karişiminin parlayan pigmentler ile emdirme yöntemine göre boyanması. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2011, vol. 21, no. 1, str. 58-64. [COBISS.SI-ID 2542192]
- BRAČKO, Sabina, ŠOLAR, Alenka, FORTE-TAVČER, Petra, SIMONČIČ, Barbara. Colour constancy of vat prints on cotton fabrics. *Coloration technology*, ISSN 1472-3581, 2009, vol. 125, no. 4, str. 222-227. [COBISS.SI-ID 2243440]

Mateja Kert (lecturer)

- KERT, Mateja, JAZBEC, Katja, ČERNE, Lidija, JERMAN, Ivan, GORJANC, Marija. The influence of nano-ZnO application methods on UV protective properties of cotton. *Acta chimica slovenica*, ISSN 1318-0207. [Tiskana izd.], 2014, vol. 61, no. 3, str. 587-594. [COBISS.SI-ID 3046512]
- GORJANC, Marija, JAZBEC, Katja, MOZETIČ, Miran, KERT, Mateja. UV protective properties of cotton fabric treated with plasma, UV absorber and reactive dye. *Fibers and polymers*, ISSN 1229-9197, 2014, vol. 15, no. 10, str. 2095-2104. [COBISS.SI-ID 3066992]
- ZDOVC, Kristina, GORJANC, Marija, KERT, Mateja. Vpliv dodatka tenzida na adsorpcijo C. I. Acid Red 14 na poliamidno 6 snutkovno pletivo = Influence of surfactant addition on adsorption of C. I. Acid Red 14 on polyamide 6 knitwear. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 4, str. 312-322, ilustr. [COBISS.SI-ID 2966640]

I-S-8 MICROCAPSULATION

Bojana Boh Podgornik (coordinating lecturer)

- BOH, Bojana, ŠUMIGA, Boštjan. In situ polymerisation microcapsules. *Bioencapsulation innovations*, Mar. 2013, str. 4-6. [COBISS.SI-ID 1532764]
- GOLJA, Barbara, BOH, Bojana, ŠUMIGA, Boštjan, FORTE-TAVČER, Petra. Printing of antimicrobial microcapsules on textiles. *Coloration technology*, ISSN 1472-3581, 2012, vol. 128, no. 2, str. 95-102. [COBISS.SI-ID 2689392]
- BOH, Bojana, KNEZ, Emil. Microencapsulation of essential oils and phase change materials for applications in textile products. *Indian Journal of Fibre and Textile Research*, ISSN 0971-0426, 2006, vol. 31, no. 1, str. 72-82. [COBISS.SI-ID 1261660]
- BOH, Bojana, KNEZ, Emil, STAREŠINIČ, Marica. Microencapsulation of higher hydrocarbon phase change materials by in situ polymerization. *Journal of microencapsulation*, ISSN 0265-2048, 2005, vol. 22, str. 715-735. [COBISS.SI-ID 1259612]
- BOH, Bojana, KNEZ, Emil, STAREŠINIČ, Marica. Microcapsules in textile industry. V: ARSHADY, Reza (ur.), BOH, Bojana (ur.). *Microcapsule patents and products*, (The MML series, Vol. 6), (Citus reference series). London: Citus, 2003, str. 235-269. [COBISS.SI-ID 1222236]

I-S-9 COLOUR MEASUREMENT - SELECTED TOPICS

Sabina Bračko (coordinating lecturer)

- MOŽINA, Klementina, MOŽINA, Klemen, BRAČKO, Sabina. Non-invasive methods for characterisation of printed cultural heritage. *Journal of cultural her-*

itage, ISSN 1296-2074, 2013, vol. 14, [No.] 1, str. 8-15, ilustr., doi:10.1016/j.culher.2012.02.012. [COBISS.SI-ID 2719600]

- STAREŠINIČ, Marica, SIMONČIČ, Barbara, BRAČKO, Sabina. Using a digital camera to identify colors in urban environments. *Journal of imaging science and technology*, ISSN 1062-3701, 2011, vol. 55, no. 6, str. 060201/1-060201/4. [COBISS.SI-ID 2684272]
- MOŽINA, Klementina, URBANC, Tanja, RAT, Blaž, BRAČKO, Sabina. Influence of light on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2010, vol. 54, no. 6, str. 060403/1-060403/8, ilustr. [COBISS.SI-ID 2510192]
- BRAČKO, Sabina, ŠOLAR, Alenka, FORTE-TAVČER, Petra, SIMONČIČ, Barbara. Colour constancy of vat prints on cotton fabrics. *Coloration technology*, ISSN 1472-3581, 2009, vol. 125, no. 4, str. 222-227. [COBISS.SI-ID 2243440]

Marija Gorjanc (lecturer)

- ZAKRAJŠEK, Špela, ŠTULAR, Danaja, VASIČ STEPANČIČ, Špela, TOMŠIČ, Brigita, GORJANC, Marija, SIMONČIČ, Barbara, FORTE-TAVČER, Petra. Vizualne in funkcionalne lastnosti digitalno natisnjenih in apretiranih anaglifnih slik na bombažni tkanini = Visual and functional properties of digital printed and finished anaglyph pictures on cotton fabric. *Tekstilec*, ISSN 0351-3386, 2014, vol. 57, no. 1, str. 32-42, ilustr. [COBISS.SI-ID 2990960]
- ZDOVC, Kristina, GORJANC, Marija, KERT, Mateja. Vpliv dodatka tenzida na adsorpcijo C. I. Acid Red 14 na poliamidno 6 snutkovno pletivo = Influence of surfactant addition on adsorption of C. I. Acid Red 14 on polyamide 6 knitwear. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 4, str. 312-322, ilustr. [COBISS.SI-ID 2966640]
- GORJANC, Marija, KOVAČ, Franci, GORENŠEK, Marija. The influence of vat dyeing on the adsorption of synthesized colloidal silver onto cotton fabrics. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 1, str. 62-69 [COBISS.SI-ID 2680432]

I-S-10 MODERN ANALYTICAL TECHNIQUES IN GRAPHIC AND TEXTILE TECHNOLOGY

Franci Kovač (coordinating lecturer)

- KOVAČ, Franci, PLESNIČAR, Božo. The substituent effect on the thermal decomposition of acetal hydrotrioxides. Polar and radical decomposition paths. *Journal of the American Chemical Society*, ISSN 0002-7863, 1979, vol. 101, str. 2677-2681. [COBISS.SI-ID 19582725]
- PLESNIČAR, Božo, CERKOVNIK, Janez, KOLLER, Jože, KOVAČ, Franci. Chemistry of hydrotrioxides. Preparation, characterization, and reactivity of dimethylphenylsilyl hydrotrioxides. Hydrogen trioxide (HOOH), a reactive intermediate in their thermal decomposition. *Journal of the American Chemical Society*, ISSN 0002-7863, 1991, vol. 113, no. 13, str. 4946-4953. [COBISS.SI-ID 19565573]
- KOVAČ, Franci. The formation of peroxides from vinyl ethers in the presence of silica-gel. *Tetrahedron letters*. [Print ed.], ISSN 0040-4039, 2001, vol. 42, str. 5313-5314. [COBISS.SI-ID 24242949]

- ČAVAR, Sanja, KOVAČ, Franci, MAKSIMOVIĆ, Milka. Synthesis and antioxidant activity of selected 4-methylcoumarins. *Food chemistry*, ISSN 0308-81462009, vol. 117, no. 1, str. 135-142. [COBISS.SI-ID 30625541]
- KLEMENČIČ, Danijela, TOMŠIČ, Brigita, KOVAČ, Franci, ŽERJAV, Metka, SIMONČIČ, Andrej, SIMONČIČ, Barbara. Preparation of novel fibre-silica-Ag composites: the influence of fibre structure on sorption capacity and antimicrobial activity. *Journal of Materials Science*, ISSN 0022-2461, 2014, vol. 49, iss. 10, str. 3785-3794. [COBISS.SI-ID 2977392]

I-S-11 COMPUTING AND NUMERICAL METHODS IN TEXTILE AND GRAPHICS RESEARCH

Alojz Suhadolnik (coordinating lecturer)

- SUHADOLNIK, Alojz. Superlinear bracketing method for solving nonlinear equations. *Applied mathematics and computation*, ISSN 0096-3003. [Print ed.], 2013, vol. 219, iss. 14, str. 7369-7376, ilustr., doi: 10.1016/j.amc.2012.12.064. [COBISS.SI-ID 12740379]
- SUHADOLNIK, Alojz. Combined bracketing methods for solving nonlinear equations. *Applied Mathematics Letters*, ISSN 0893-9659. [Print ed.], 2012, vol. 25, iss. 11, str. 1755-1760, ilustr., doi: 10.1016/j.aml.2012.02.006. [COBISS.SI-ID 12395547]
- SUHADOLNIK, Alojz, PETRIŠIČ, Jože, KOSEL, Franc. Digital curve length calculation by using B-spline. *Journal of mathematical imaging and vision*, ISSN 0924-9907, 2010, vol. 38, no. 2, str. 132-138, doi: 10.1007/s10851-010-0208-4. [COBISS.SI-ID 11478811]
- SUHADOLNIK, Alojz, PETRIŠIČ, Jože, KOSEL, Franc. Numerical calculation of digital curve length by using anchored discrete convolution. *Image and vision computing*, ISSN 0262-8856. [Print ed.], 2008, letn. 26, št. 7, str. 990-999. [COBISS.SI-ID 10483995]
- HLADNIK, Aleš, SUHADOLNIK, Alojz. Development of a non-contact method for characterization of paper surface. V: *11th International conference on printing, design and graphic communications*, Blaž Baromić, Zadar, Croatia, September 26th - 29th, 2007. BOLANČA, Zdenka (ur.). Proceedings. Zagreb: Faculty of Graphic Arts, University of Zagreb; Senj: Ogranak Matice hrvatske Senj; Ljubljana: Pulp and paper Institute, 2007, str. 57-62, [COBISS.SI-ID 1922416]

Aleš Hladnik (lecturer)

- JAVORŠEK, Dejana, JERMAN, Tim, RAT, Blaž, HLADNIK, Aleš. Assessing the performance of a spectral reflectance estimation method based on a diffraction grating and a spectroradiometer. *Coloration technology*, ISSN 1472-3581, 2014, vol. 130, no. 4, str. 288-295, [COBISS.SI-ID 3042672]
- MODRIĆ, Damir, PETRIC MARETIĆ, Katja, HLADNIK, Aleš. Modeling spatial reflection from an uncoated printing paper using Monte Carlo simulation. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2012, vol. 27, no. 5, str. 968-975, [COBISS.SI-ID 2887792]
- HLADNIK, Aleš, MUCK, Tadeja, STANIĆ, Maja, ČERNIČ, Marjeta. Fast Fourier transform in papermaking and printing: two application examples. *Acta poly-*

technica Hungarica, ISSN 1785-8860, 2012, vol. 9, no. 5, str. 155-166, [COBISS.SI-ID 2826608]

- ZUPIN, Živa, HLADNIK, Aleš, DIMITROVSKI, Krste. Prediction of one-layer woven fabrics air permeability using porosity parameters. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 2, str. 117-128, [COBISS.SI-ID 2649200]
- HLADNIK, Aleš, LAZAR, Mihael. Paper and board surface roughness characterization using laser profilometry and gray level cooccurrence matrix. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2011, vol. 26, no. 1, str. 99-105, [COBISS.SI-ID 2548336]

I-S-12 PHOTOGRAPHY AS A COMMUNICATION MEDIA

Marica Starešinič (coordinating lecturer)

- STAREŠINIČ, Marica, SIMONČIČ, Barbara, BRAČKO, Sabina. Using a digital camera to identify colors in urban environments. *Journal of imaging science and technology*, ISSN 1062-3701, 2011, vol. 55, no. 6, str. 060201/1-060201/4, ilustr., doi: 10.2352/J.ImagingSci.Technol. 2011.55.6.060201. [COBISS.SI-ID 2684272]
- STAREŠINIČ, Marica, MUCK, Tadeja, STANIČ, Maja, KLANJŠEK GUNDE, Marta. Development of image analysis procedures for evaluation of printed electronics quality = Razvoj metod slikovne analize za oceno tiskovne prehodnosti tiskane elektronike. *Informacije MIDEEM*, ISSN 0352-9045, mar. 2011, letn. 41, št. 1, str. 12-17. [COBISS.SI-ID 2585712]
- OPAKA, Uroš, JAVORŠEK, Andrej, STAREŠINIČ, Marica, JAVORŠEK, Dejana. Analiza kakovosti barvnega profila za digitalno kamero Nikon D50 = Analysis of colour profile quality for digital camera Nikon D50. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 2, str. 123-128, ilustr. [COBISS.SI-ID 2905712]
- STAREŠINIČ, Marica, AHTIK, Jure, SIMONČIČ, Barbara, BRAČKO, Sabina. Določanje barve objektov v urbanem okolju s spektrometrom = Determination of object colours in urban environments using spectroradiometry. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 2, str. 87-91, ilustr. [COBISS.SI-ID 2738800]
- GODLER, Marjeta, STAREŠINIČ, Marica. *Space illusions dance : [razstava] : Galéria Umelka, Slovak Union of Visual Arts, 5th - 24th August, 2014, Bratislava, Slovakia. 2014.* [COBISS.SI-ID 3049072] / Mednarodna razstava

Darko Slavec (lecturer)

- 150 samostojnih in 171 skupinskih likovnih in fotografskih razstav doma in v tujini
- SLAVEC, Darko. *Likovna analiza slike Wilhelma Leibla Tri žene v cerkvi*. SLUT, ISSN 2232-2213, dec. 2012, leto 5, št. 5, str. 5 - 64. [COBISS.SI-ID 2858634]
- SLAVEC, Darko, *Pogled v nebo*, Slovenj Gradec, Koroška galerija likovnih umetnosti, monografija, 11 2011, 128 strani [COBISS.SI-ID 67556353]
- SLAVEC, Darko (umetnik, fotograf, urednik). *Darko Slavec : 20. oktober - 18. november 2005*, cePoslovni center Mercator, Galerija Mercator. [S. l.: s. n., 2005]. [22] str., ilustr. [COBISS.SI-ID 222817792]
- PLAЈH, Lara, SLAVEC, Darko, JEVŠNIK, Simona. Compositional principles in blue-printing models and their application to modern patterns. V: 12th World Textile Conference AUTEX 2012, 13th -15th June 2012, Zadar, Croatia. MIJOVIĆ,

Budimir (ur.). Book of proceedings : innovative textile for high future demands. Zagreb: Faculty of Textile Technology, University of Zagreb, 2012, str. 1245-1252, ilustr. [COBISS.SI-ID 1024321376]

I-S-13 DESIGN AND INNOVATION

Marija Jenko (coordinating lecturer)

- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: *41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT*, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065-1072, ilustr. [COBISS.SI-ID 2406512]
- ŠTEMBERGER, Marjanca, JENKO, Marija. Transformacija slik v tkanino in oblačilo = Image transformation into fabric and clothing. V: *44. simpozij o novostih v tekstilstvu*, Ljubljana, 6. junij 2013. SIMONČIČ, Barbara (ur.), FORTE-TAVČER, Petra (ur.). Trajnostni razvoj v tekstilstvu : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013, str. 45. [COBISS.SI-ID 3017072]
- SADAR, Almira (avtor, urednik), FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. *Booknjiga*. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. *Več svetlobe! = More light!* : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]
- JENKO, Marija (umetnik), KOČEVAR, Tanja Nuša (umetnik). *Ledena doba : [razstava]* : Oblikovalska okuševalnica Eat & drink design : Gospodarsko razstavišče, Ljubljana, 18. 10. 2012. Ljubljana: Gospodarsko razstavišče, 2012. [COBISS.SI-ID 2859376]

Karin Košak (lecturer)

- KOŠAK, Karin. Solving problems in contemporary design. V: *41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT*, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 486-490, ilustr. [COBISS.SI-ID 2378096] / Objavljeni strokovni prispevek na konferenci
- KOŠAK, K.. Razvoj oblikovanja. Ljubljana: Naravoslovno-tehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384] / Univerzitetni učbenik z recenzijo
- KOŠAK, Karin. Decorative city lighting and the new slovenian Light Pollution Law. V: ORGULAN, Andrej (ur.). Zbornik = Proceedings. Maribor: Slovensko društvo za razsvetljavo, 2008, str. 355-358, ilustr. [COBISS.SI-ID 2240368]

- KOŠAK, Karin, SALČINOVIČ, Emina. Otroška delavnica eko obleka kot model sodelovanja univerze in osnovne šole = Children workshop eco-dress as a model of cooperation between university and primary school. V: 42. simpozij o novostih v tekstilstvu "Nove tehnologije - da ali ne?", 6. simpozij o novostih v grafiki "Nove ideje!", 2. junij 2011, Ljubljana. SIMONČIČ, Barbara (ur.), GREGORSVETEC, Diana (ur.), FORTE-TAVČER, Petra (ur.). Nove tehnologije - da ali ne?. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011, str. 47. [COBISS.SI-ID 3053680]
- SADAR, Almira (avtor, urednik), FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]

I-S-14 ADVANCED TECHNOLOGIES IN CLOTHING WITH SELECTED TOPICS OF 2D/3D DEVELOPMENT OF GARMENT CUTS

Matejka Bizjak (coordinating lecturer)

- BIZJAK, Matejka, DIMITROVSKI, Krste. Izrada i svojstva elastičnih tkanih medupodstava = Manufacture and properties of elastic woven interlinens = Herstellung und Eigenschaften elastischer gewebter Einlagen. Tekstil, ISSN 0492-5882, 2002, vol. 51, no. 4, str. 161-169, ilustr.
- STANKOVIĆ, Snežana, BIZJAK, Matejka. Effect of yarn folding on comfort properties of hemp knitted fabrics. Clothing and textiles research journal, ISSN 1940-2473, 2014, vol. 32, no. 3, str. [202]-214.
- NOVAKOVIĆ, Milada, BIZJAK, Matejka, STANKOVIĆ, Snežana. Dizajn i pletenina u funkciji optimalnog toplotnog komfora = Knitted fabrics design impact on optimal thermal comfort. Tekstilna industrija, ISSN 0040-2389, 2013, god. 60, br. 1, str. 30-36.
- NOVAKOVIĆ, Milada, STANKOVIĆ, Snežana, BIZJAK, Matejka. Komfor odeće za sport i rekreaciju = Comfort in sports and leisure wear. V: 3. naučno stručni skup Preduzetništvo, inženjerstvo i menadžment, Zrenjanin, 8.12.2012. MIRKOV, Smiljana (ur.), MOLNAR, Robert (ur.). Zbornik radova. Zrenjanin: Visoka tehnička škola strukovnih studija, 2013, str. 267-273.
- BIZJAK, Matejka, STANKOVIĆ, Snežana, JEVŠNIK, Simona. Influence of mechanical properties of hamp [i.e. hemp] based knitted fabrics on clothing comfort. V: 9th Autex Conference, May 26-28, 2009, Izmir, Turkey. Proceedings of the 9th Autex Conference. Izmir: Ege University, Engineering Faculty, Department of Textile Engineering, 2009, str. 1009-1017.

Simona Jevšnik (lecturer)

- JEVŠNIK, Simona, STJEPANOVIĆ, Zoran, RUDOLF, Andreja, GRUJIĆ, Dragana, PILAR, Tanja. Assessing garments fit to woman's body. ACC Journal. A, Natural sciences and technology, ISSN 1803-9782, 2014, vol. 20, št. 1, str. 28-37, ilustr. [COBISS.SI-ID 17889046]
- PILAR, Tanja, STJEPANOVIĆ, Zoran, JEVŠNIK, Simona. Ocenjevanje prilaganja 3D virtualno izdelanih prototipov kril telesu = Evaluation of fitting virtual 3D skirt

prototypes to body. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 1, str. 47-62.

- GRUJIĆ, Dragana, RIJAVEC, Tatjana, JEVŠNIK, Simona, JANJIĆ, Svjetlana. Pov-zanost mehaničkih svojstava pletenina i ergonomске udobnosti sportske od-jeće = [Correlation of the mechanical properties of knitwear and the ergonomic comfort of sportswear]. *Glasnik hemičara, tehnologa i ekologa Republike Srpske*, ISSN 1840-054X, 2012, 8, str. 35-44.
- JEVŠNIK, Simona, STJEPANOVIĆ, Zoran, RUDOLF, Andreja. Istraživanje pov-zanosti svojstava savijanja i smičnih svojstava te sposobnosti oblikovanja s para-metrima drapiranja tkanina = Study of correlation between bending and shearing properties and shaping ability with parameters of fabric drape. *Glasnik hemičara, tehnologa i ekologa Republike Srpske*, ISSN 1840-054X, 2010, 3, str. 1-17.

Almira Sadar (lecturer)

- SADAR, Almira. Fashion and sustainable development. V: SIMONČIČ, Barbara (ur.), HLADNIK, Aleš (ur.), PAVKO-ČUDEN, Alenka (ur.), AHTIK, Jure (ur.), LUŠTEK PRESKAR, Barbara (ur.), DEMŠAR, Andrej (ur.), URBAS, Raša (ur.). 41st Interna-tional Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 143-146, ilustr. [COBISS.SI-ID 2392432]
- SADAR, Almira, FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KO-ČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslov-notehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽ-NIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Od-delek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]
- SADAR, Almira. O modi. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384]

I-S-15 USE OF IMAGE PROCESSING AND IMAGE ANALYSIS IN GRAPHIC AND TEXTILE RESEARCH

Aleš Hladnik (coordinating lecturer)

- HLADNIK, Aleš. Image compression and face recognition : two image processing applications of principal component analysis. *International circular of graph-ic education and research*, ISSN 1868-0712, 2013, no. 6, str. 56-61, [COBISS.SI-ID 3002224]
- HLADNIK, Aleš, MUCK, Tadeja, STANIĆ, Maja, ČERNIČ, Marjeta. Fast Fourier transform in papermaking and printing: two application examples. *Acta poly-technica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 5, str. 155-166, [COBISS.SI-ID 2826608]

- PAVLOVIĆ, Živko, MUCK, Tadeja, HLADNIK, Aleš, KARLOVIĆ, Igor. A comparative study of offset plate quality parameters using image processing and analytical methods. *Acta polytechnica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 6, str. 181-193, [COBISS.SI-ID 2826864]
- KÖNIG, Silva, GREGOR-SVETEC, Diana, HLADNIK, Aleš, MUCK, Tadeja. Assessing the lightfastness of prints by image chrominance histogram quantification. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2012, vol. 56, no. 6, str. 060507/1-060507/7, [COBISS.SI-ID 2873712]
- HLADNIK, Aleš, LAZAR, Mihael. Paper and board surface roughness characterization using laser profilometry and gray level cooccurrence matrix. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2011, vol. 26, no. 1, str. 99-105, [COBISS.SI-ID 2548336]

Tadeja Muck (lecturer)

- HLADNIK, Aleš, MUCK, Tadeja, STANIĆ, Maja, ČERNIČ, Marjeta. Fast Fourier transform in papermaking and printing: two application examples. *Acta polytechnica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 5, str. 155-166, [COBISS.SI-ID 2826608]
- PAVLOVIĆ, Živko, MUCK, Tadeja, HLADNIK, Aleš, KARLOVIĆ, Igor. A comparative study of offset plate quality parameters using image processing and analytical methods. *Acta polytechnica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 6, str. 181-193, [COBISS.SI-ID 2826864]
- GREGOR-SVETEC, Diana, ROŽIČ, Mirela, MUCK, Tadeja, LOZO, Branka. Natural zeolite as filler in base ink jet paper sheet. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2012, vol. 27, no. 4, str. 721-728, [COBISS.SI-ID 2799472]

I-S-16 THE METHODOLOGIES OF COMPUTER-AIDED DESIGN OF PRODUCTS

Helena Gabrijelčič Tomc (coordinating lecturer)

- ERZETIČ, Blaž, GABRIJELČIČ, Helena. *3D od točke do upodobitve*. 1. natis. Ljubljana: Pasadena, 2009. 201 str., ilustr. ISBN 978-961-6361-99-6. [COBISS.SI-ID 247927040]
- KOČEVAR, Tanja Nuša, GABRIJELČIČ TOMC, Helena. Primerjava 3D simulacij tekstilij z oceno uporabe dveh aplikacij in slikovno analizo upodobitev = Comparison of 3D Textile Simulations with Evaluation of Usability of Two Applications and Image Analysis of Renderings. *Tekstilec*, ISSN 0351-3386, 2013, vol. 56, no. 4, str. 323-334. [COBISS.SI-ID 2967152]
- FRIŠKOVEC, Mojca, GABRIJELČIČ, Helena. Development of a procedure for camouflage pattern design. *Fibres Text. East. Eur.*, ISSN 1230-3666, 2010, vol. 81, no. 4, str. 68-76. [COBISS.SI-ID 4600602]
- FRIŠKOVEC, Mojca, GABRIJELČIČ, Helena, SIMONČIČ, Barbara. Design and evaluation of a camouflage pattern for the Slovenian urban environment. *J. imaging sci. technol.*, ISSN 1062-3701, Mar./Apr. 2010, vol. 54, no. 2, str. 020507/1-020507/11, ilustr. [COBISS.SI-ID 2369904]
- GABRIJELČIČ TOMC, Helena, DIMITROVSKI, Krste. Use of regression methods for determining the relation between theoretical-linear and spectrophotometrical

colour values of bicolour woven structures. *Coloration technology*, ISSN 1472-3581, 2009, vol. 125, no. 2, str. 74-85. [COBISS.SI-ID 2175088]

I-P-1 FUNCTIONALIZATION OF TEXTILE MATERIALS

Barbara Simončič (coordinating lecturer)

- VASILJEVIĆ, Jelena, TOMŠIČ, Brigita, JERMAN, Ivan, OREL, Boris, JAKŠA, Gregor, SIMONČIČ, Barbara. Novel multifunctional water- and oil- repellent, antibacterial, and flame-retardant cellulose fibres created by the sol-gel process. *Cellulose*, ISSN 0969-0239, 2014, vol. , no. , 13 str. [preprint, 16 May 2014], [COBISS.SI-ID 3007088]
- VASILJEVIĆ, Jelena, TOMŠIČ, Brigita, JERMAN, Ivan, OREL, Boris, JAKŠA, Gregor, KOVAČ, Janez, SIMONČIČ, Barbara. Multifunctional superhydrophobic/oleophobic and flame-retardant cellulose fibres with improved ice-releasing properties and passive antibacterial activity prepared via the sol-gel method. *Journal of sol-gel science and technology*, ISSN 0928-0707, 2014, vol. 70, no. 3, str. 385-399. [COBISS.SI-ID 2977648]
- SIMONČIČ, Barbara, TOMŠIČ, Brigita, ČERNE, Lidija, OREL, Boris, JERMAN, Ivan, KOVAČ, Janez, ŽERJAV, Metka, SIMONČIČ, Andrej. Multifunctional water and oil repellent and antimicrobial properties of finished cotton: influence of sol-gel finishing procedure. *Journal of sol-gel science and technology*, ISSN 0928-0707, 2012, vol. 61, no. 2, str. 340-354, ilustr., doi: 10.1007/s10971-011-2633-2. [COBISS.SI-ID 2664560]
- SIMONČIČ, Barbara. Hydrophobic & oleophobic protection. V: BISCHOF VUKUŠIĆ, Sandra (ur.). *Functional protective textiles*. Zagreb: University of Zagreb, Faculty of Textile Technology, 2012, str. 145-170. [COBISS.SI-ID 2760304]
- TOMŠIČ, Brigita, SIMONČIČ, Barbara, OREL, Boris, ŽERJAV, Metka, SCHROERS, Hans-Josef, SIMONČIČ, Andrej, SAMARDŽIJA, Zoran. Antimicrobial activity of AgCl embedded in a silica matrix on cotton fabric. *Carbohydrate polymers*, ISSN 0144-8617. [Print ed.], 2009, vol. 75, iss. 4, str. 618-626, graf. prikazi, ilustr., doi: 10.1016/j.carbpol.2008.09.013. [COBISS.SI-ID 2820968]

Marija Gorjanc (lecturer)

- GORJANC, Marija, JAZBEC, Katja, ŠALA, Martin, ZAPLOTNIK, Rok, VESEL, Alenka, MOZETIČ, Miran. Creating cellulose fibres with excellent UV protective properties using moist CF₄ plasma and ZnO nanoparticles. *Cellulose*, ISSN 0969-0239, 2014, vol. 21, iss. 4, str. 3007-3021 [COBISS.SI-ID 3006576]
- GORJANC, Marija, KOVAČ, Franci, GORENŠEK, Marija. The influence of vat dyeing on the adsorption of synthesized colloidal silver onto cotton fabrics. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 1, str. 62-69 [COBISS.SI-ID 2680432].
- GORJANC, Marija, BUKOŠEK, Vili, GORENŠEK, Marija, VESEL, Alenka. The influence of water vapor plasma treatment on specific properties of bleached and mercerized cotton fabric. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 6, str. 557-567 [COBISS.SI-ID 2287216].

Petra Forte Tavčer (lecturer)

- GOLJA, Barbara, ŠUMIGA, Boštjan, BOH, Bojana, MEDVED, Jože, PUŠIČ, Tanja, FORTE-TAVČER, Petra. Application of flame retardant microcapsules to polyester and cotton fabrics = Nanos mikrokapsul z zaviralcem gorenja na poliestrno in bombažno blago. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], 2014, vol. 48, no. 1, str. 105-111. [COBISS.SI-ID 2976624]
- FORTE-TAVČER, Petra. Effects of cellulase enzyme treatment on the properties of cotton terry fabrics. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2013, vol. 21, no. 6 (102), str. 100-105, ilustr. [COBISS.SI-ID 2944368]
- FORTE-TAVČER, Petra, ŠTULAR, Danaja, AHTIK, Jure. Digital printing of anaglyph images onto textile = Anaglyph görüntülerin dijital baski ile tekstil üzerine basılması. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2013, vol. 23, no. 4, str. 381-386. [COBISS.SI-ID 2959216]
- GOLJA, Barbara, BOH, Bojana, ŠUMIGA, Boštjan, FORTE-TAVČER, Petra. Printing of antimicrobial microcapsules on textiles. *Coloration technology*, ISSN 1472-3581, 2012, vol. 128, no. 2, str. 95-102. <http://onlinelibrary.wiley.com/doi/10.1111/j.1478-4408.2011.00349.x/pdf>, doi: 10.1111/j.1478-4408.2011.00349.x. [COBISS.SI-ID 2689392]
- FORTE-TAVČER, Petra, KOŠIR, Suzana, CSISZÁR, Emília. Properties of differently printed and easy-care finished linen fabrics. *Coloration technology*, ISSN 1472-3581, 2011, vol. 127, no. 3, str. 194-199. <http://onlinelibrary.wiley.com/doi/10.1111/j.1478-4408.2011.00298.x/pdf>. [COBISS.SI-ID 2552176]

Brigita Tomšič (lecturer)

- TOMŠIČ, Brigita, ILEC, Eva, ŽERJAV, Metka, HLADNIK, Aleš, SIMONČIČ, Andrej, SIMONČIČ, Barbara. Characterisation and functional properties of antimicrobial bio-barriers formed by natural fibres. *Colloids and surfaces. B, Biointerfaces*, 2014, vol., no., 31 str. [COBISS.SI-ID 3027824]
- VASILJEVIĆ, Jelena, TOMŠIČ, Brigita, JERMAN, Ivan, OREL, Boris, JAKŠA, Gregor, KOVAČ, Janez, SIMONČIČ, Barbara. Multifunctional superhydrophobic/oleophobic and flame-retardant cellulose fibres with improved ice-releasing properties and passive antibacterial activity prepared via the sol-gel method. *Journal of sol-gel science and technology*, ISSN 0928-0707, 2014, vol. 70, no. 3, str. 385-399, [COBISS.SI-ID 2977648]
- TOMŠIČ, Brigita, KRIŽMAN LAVRIČ, Pavla, SIMONČIČ, Barbara, OREL, Boris, JOCIĆ, Dragan. Sol-gel technology for functional finishing of PES fabric by stimuli-responsive microgel. *Journal of sol-gel science and technology*, 2012, vol. 61, no. 3, str. 463-476, [COBISS.SI-ID 2673776]
- KRIŽMAN LAVRIČ, Pavla, TOMŠIČ, Brigita, SIMONČIČ, Barbara, WARMOESKERKEN, Marijn M. C. G., JOCIĆ, Dragan. Functionalization of cotton with poly-Ni-PAA/chitosan microgel. Part 2, Stimuli-responsive liquid management. *Cellulose*, ISSN 0969-0239, 2012, vol. 19, no. 1, str. 273-287, [COBISS.SI-ID 2674032]
- TOMŠIČ, Brigita, SIMONČIČ, Barbara, OREL, Boris, ŽERJAV, Metka, SCHROERS, Hans-Josef, SIMONČIČ, Andrej, SAMARDŽIJA, Zoran. Antimicrobial activity of AgCl embedded in a silica matrix on cotton fabric. *Carbohydrate polymers*, ISSN 0144-8617, 2009, vol. 75, iss. 4, str. 618-626, [COBISS.SI-ID 2820968]

Tatjana Rijavec (lecturer)

- BRAČKO, Sabina, RIJAVEC, Tatjana, BIZJAK, Grega, GORENŠEK, Marija. Impregnation dyeing of cotton/polyester spun yarn mixture with photoluminescent pigments = Pamuk/poliester iplik karişiminin parlayan pigmentler ile emdirme yöntemine göre boyanması. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2011, vol. 21, no. 1, str. 58-64. [COBISS.SI-ID 2542192]
- RIJAVEC, Tatjana, BRAČKO, Sabina. Smart dyes for medical and other textiles. V: LANGENHOVE, Lieva van (ur.). *Smart textiles for medicine and healthcare : materials, systems and applications*, (Woodhead publishing in textiles). Boca Raton [etc.]: CRC Press; Cambridge: Woodhead Publishing; [Manchester]: The Textile Institute, 2007, [ch. 7], str. 123-149. [COBISS.SI-ID 1868400]
- RIJAVEC, Tatjana, ZUPIN, Živa. Soybean protein fibres (SPF). V: KREZHOVA, Dora (ur.). *Recent trends for enhancing the diversity and quality of soybean products*. Rijeka: InTech, 2011, str. [501]-522. <http://www.intechopen.com/articles/show/title/soybean-protein-fibres-spf->. [COBISS.SI-ID 2648944]
- RIJAVEC, Tatjana, BUKOŠEK, Vili. Novel fibres for the 21st century = Nova vlakna za 21. stoletje. *Tekstilec*, ISSN 0351-3386, 2009, letn. 52, št. 10/12, str. 312-327. [COBISS.SI-ID 255458304]

Živa Zupin (lecturer)

- ZUPIN, Živa, HLADNIK, Aleš, DIMITROVSKI, Krste. Prediction of one-layer woven fabrics air permeability using porosity parameters. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 2, str. 117-128 [COBISS.SI-ID 2649200]
- ZUPIN, Živa, DIMITROVSKI, Krste, HLADNIK, Aleš. Evaluation of influence of densities and weaves on physical and mechanical properties of „squared“ cotton woven fabrics *Tekstil*, ISSN 0492-5882, 2009, vol. 58, no. 7, str. 309-320. [COBISS.SI-ID 2327408]
- ZUPIN, Živa, DIMITROVSKI, Krste. Mechanical properties of fabrics from cotton and biodegradable yarns bamboo, SPF, PLA in weft. V: DOBNIK-DUBROVSKI, Polona (ur.). *Woven fabric engineering*. Rijeka: Sciyo, cop. 2010, ch. 2, str. [25]-46. [COBISS.SI-ID 2493552]
- ZUPIN, Živa, PENDIĆ, Anica, DIMITROVSKI, Krste. Primerjalna študija fizikalno mehanskih lastnosti tkanin v vezavah keper in atlas = Comparative analysis of physical and mechanical properties of fabrics woven in twill and sateen weaves. *Tekstilec*, ISSN 0351-3386, 2010, letn. 53, št. 1/3, str. 33-49, ilustr. [COBISS.SI-ID]

I-P-2 BIOTECHNOLOGY FOR TEXTILE PROCESSING

Petra Forte Tavčer (coordinating lecturer)

- ŠPIČKA, Nina, FORTE-TAVČER, Petra. Complete enzymatic pre-treatment of cotton fabric with incorporated bleach activator. *Textile research journal*, ISSN 0040-5175, 2013, vol. 83, no. 6, str. 566-573, ilustr., doi: 10.1177/0040517512458346. [COBISS.SI-ID 2776432]
- FORTE-TAVČER, Petra. Effects of cellulase enzyme treatment on the properties of cotton terry fabrics. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2013, vol. 21, no. 6 (102), str. 100-105. [COBISS.SI-ID 2944368]

- FORTE-TAVČER, Petra. Low-temperature bleaching of cotton induced by glucose oxidase enzymes and hydrogen peroxide activators. *Biocatalysis and biotransformation*, ISSN 1024-2422, 2012, vol. 30, no. 1, str. 20-26, doi: 10.3109/10242422.2012.644437. [COBISS.SI-ID 2674288]
- PREŠA, Polonca, FORTE-TAVČER, Petra. Bioscouring and bleaching of cotton with pectinase enzyme and peracetic acid in one bath. *Color. technol.*, ISSN 1472-3581, 2008, vol. 124, no. 1, str. 36-42. [COBISS.SI-ID 1978480]
- FORTE-TAVČER, Petra. The influence of different pretreatments on the quantity of seed-coat fragments in cotton fibres. *Fibres Text. East. Eur.*, ISSN 1230-3666, 2008, vol. 16, no. 1 (66), str. 19-23. [COBISS.SI-ID 2026352]

Bojana Boh Podgornik (lecturer)

- BOH, Bojana. Ganoderma lucidum: a potential for biotechnological production of anti-cancer and immunomodulatory drugs. *Recent patents on anti-cancer drug discovery*, ISSN 1574-8928, 2013, vol. 8, no. 3, str. 255-287. [COBISS.SI-ID 1531484]
- BOH, Bojana, BEROVIČ, Marin, ZHANG, Jingsong, ZHI-BIN, Lin. Ganoderma lucidum and its pharmaceutically active compounds. V: EL-GEWELY, M. Rafaat (ur.). *Biotechnology annual review*, (Biotechnology annual review, ISSN 1387-2656, vol. 13). Amsterdam: Elsevier, 2007, str. 265-301, ilustr. [COBISS.SI-ID 1336156]
- BOH, Bojana, BEROVIČ, Marin. Grifola frondosa (Dicks.: Fr.) S. F. Gray (Maitake Mushroom): medicinal properties, active compounds, and biotechnological cultivation. *International journal of medicinal mushrooms*, ISSN 1521-9437, 2007, vol. 9, no. 2, str. 89-108. [COBISS.SI-ID 1313372]
- VODA, Karmen, BOH, Bojana, VRTAČNIK, Margareta, POHLEVEN, Franc. Effect of the antifungal activity of oxygenated aromatic essential oil compounds on the white-rot *Trametes versicolor* and the brown-rot *Coniophora puteana*. *International biodeterioration & biodegradation*, ISSN 0964-8305. [Print ed.], 2003, vol. 51, no. 1, str. 51-59. [COBISS.SI-ID 1177180]

I-P-3 ADVANCED TECHNOLOGIES FOR LINE TEXTILES PRODUCTION – SELECTED TOPICS

Dunja Šajn Gorjanc (coordinating lecturer)

- ŠAJN GORJANC, Dunja, BIZJAK, Matejka. The influence of constructional parameters on deformability of elastic cotton fabrics. *Journal of engineered fibers and fabrics*, ISSN 1558-9250, 2014, vol. 9, iss. 1, str. 38-46. [COBISS.SI-ID 2978160]
- ŠAJN GORJANC, Dunja, DIMITROVSKI, Krste, BIZJAK, Matejka. Thermal and water vapor resistance of the elastic and conventional cotton fabrics. *Tex. res. j.*, 2012, vol. 82, no. 14, str. 1498-1506.
- ŠAJN GORJANC, Dunja, BUKOŠEK, Vili. The behaviour of fabric with elastane yarn during stretching. *Fibres Text. East. Eur.*, ISSN 0040-5175, 2008, vol. 16, no. 3 (68), str. 63-68. [COBISS.SI-ID 2769520]
- ŠAJN GORJANC, Dunja. Elastične lastnosti sukancev po raztezanju = Elastic properties of sewing threads after stretching. *Tekstilec*, ISSN 0351-3386, 2006, letn. 49, št. 10/12, str. 218-224. [COBISS.SI-ID 1804144]

Stane Praček (lecturer)

- PRAČEK, Stanislav, MOŽINA, Klemen, SLUGA, Franci. Yarn motion during unwinding from packages. *Math. comput. model. dyn. syst.*, ISSN 1387-3954, 2012, vol. , no. , 17 str. [COBISS.SI-ID 2724976]
- PRAČEK, Stanislav, SLUGA, Franci. Numerical simulations of yarn unwinding from packages. *Mathematical and computational applications in science and engineering*, ISSN 1300-686X, 2010, vol. 15, no. 5, str. 846-852. [COBISS.SI-ID 2551664]
- PRAČEK, Stanislav, SLUGA, Franci. Mathematical model for yarn unwinding from packages. *Mathematical and computational applications in science and engineering*, ISSN 1300-686X, 2010, vol. 15, no. 5, str. 853-858. [COBISS.SI-ID 2551920]
- PRAČEK, Stanislav. Theory of string motion in the textile process of yarn unwinding. *Int. j. of nonlinear sci. & numer. simul.*, ISSN 1565-1339, 2007, vol. 8, no. 3, str. 451-460. [COBISS.SI-ID 1923440]

I-P-4 ADVANCED TECHNOLOGIES IN CLOTHING – SELECTED TOPICS

Alenka Pavko Čuden (coordinating lecturer)

- PAVKO-ČUDEN, Alenka, HLADNIK, Aleš, SLUGA, Franci. Impact of material, structure and relaxation process parameters of elasticized single-knitted fabrics on loop length. *Textile research journal*, ISSN 0040-5175, 2013, vol. 83, no. 1, str. 56-65. [COBISS.SI-ID 2754928]
- PAVKO-ČUDEN, Alenka, STANKOVIČ ELESINI, Urška. Elastane addition impact on structural and transfer properties of viscose and polyacrylonitrile knits. *Acta chimica slovenica*, ISSN 1318-02072010, vol. 57, no. 4, str. 957-962. [COBISS.SI-ID 2498416]
- PAVKO-ČUDEN, Alenka. ITMA 2011 - Pletilstvo: celovita evropska predstava za svetovno občinstvo = ITMA 2011 - Knitting: complete European show for worldwide public. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 2, str. 97-112. [COBISS.SI-ID 2744944]
- PAVKO-ČUDEN, Alenka. ITMA 2007 - Pletilstvo: hitrost in finejše delitve = ITMA 2007 - Knitting technology: higher production speed and finer gauge. *Tekstilec*, ISSN 0351-3386, 2008, letn. 51, št. ITMA 2007, str. 51-62. [COBISS.SI-ID 2108016]
- PAVKO-ČUDEN, Alenka. ITMA 2003. - na področju pletenja više poboljšanja nego inovacija = ITMA 2003 - more improvements than innovations in the field of textile knitting. *Tekstil*, ISSN 0492-5882, 2004, vol. 53, no. 4, str. 169-176. [COBISS.SI-ID 1358960]

Krste Dimitrovski (lecturer)

- ŠTRUKELJ, Dijana, DIMITROVSKI, Krste. Analiza pamučnih tkanina s dodanim nimitima polibutilen tereftalata = [Study of cotton woven fabrics with added polybutylene terephthalate yarns = Untersuchung von Baumwollgeweben mit zugesetzten Polybutylenterephthalat-Garnen]. *Tekstil*, ISSN 0492-5882, 2012, vol. 61, no. 1/6, str. 10-17. [COBISS.SI-ID 2852720]
- GUDLIN SCHWARZ, Ivana, KOVAČEVIĆ, Stana, KATOVIĆ, Drago, DIMITROVSKI, Krste. Properties of yarns of different colours sized by standard and pre-wetting

process. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2013, vol. 21, no. 5 (101), str. 66-72, ilustr. [COBISS.SI-ID 2906480]

- GUDLIN SCHWARZ, Ivana, KOVAČEVIĆ, Stana, DIMITROVSKI, Krste. Analysis of changes in mechanical and deformation properties of yarn by sizing. *Textile research journal*, ISSN 0040-5175, 2011, vol. 81, no. 5, str. 545-555, ilustr., doi: 10.1177/0040517510383612. [COBISS.SI-ID 2461040]
- DIMITROVSKI, Krste. Geotekstil - područje u ekspanziji = Geotextiles - an expanding area = Geotextilien - ein expandierender Bereich. *Tekstil*, ISSN 0492-5882, 2002, vol. 51, no. 1, str. 14-21, ilustr. [COBISS.SI-ID 991088]
- DIMITROVSKI, Krste, GABRIJELČIČ TOMC, Helena. Izračunavanje i merenje boja tkanina iz različito obojenih niti = Calculating and measuring fabric colour for fabrics made of yarns of different colour = Berechnung und Farbmessung der Gewebefärbung bei verschiedenartig gefärbten Fäden. *Tekstil*, ISSN 0492-5882, 2001, vol. 50, no. 11, str. 558-567, ilustr. [COBISS.SI-ID 984432]

Matejka Bizjak (lecturer)

- DIMITROVSKI, Krste, BIZJAK, Matejka. Spremembe pri izdelavi listnih in žakarskih tkanin v zadnjem desetletju = Changes of dobby and jacquard weaving in last decade. *Tekstilec*, ISSN 0351-3386, 1999, vol. 42, no. 11/12, str. 371-375. [COBISS.SI-ID 798576]
- DIMITROVSKI, Krste, BIZJAK, Matejka. Tkanje na elektronskim modularnim žakarima - novi pristup. *Tekstil*, ISSN 0492-5882, 1998, vol. 47, br. 11, str. 590-593. [COBISS.SI-ID 630896]
- DIMITROVSKI, Krste, BIZJAK, Matejka. Majhni sodobno opremljeni obrati - možnost preživetja tkalstva? = Modern small enterprises - the weaving survival?. *Tekstilec*, ISSN 0351-3386, 1997, let. 40, št. 7/8, str. 176-181. [COBISS.SI-ID 459632]
- BIZJAK, Matejka, ZUPIN, Živa, DIMITROVSKI, Krste. Novosti s področja tkanja = Novelties in the field of weaving. V: 43. simpozij o novostih v tekstilstvu, *Tekstilna obzorja*, Ljubljana, 7. junij 2012. SIMONČIČ, Barbara (ur.), GORJANC, Marija (ur.). *Tekstilna obzorja : zbornik izvlečkov*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2012, str. 27. [COBISS.SI-ID 2749552]

I-P-5 DYEING AND PRINTING OF TEXTILES – SELECTED TOPICS

Petra Forte Tavčer (coordinating lecturer)

- FORTE-TAVČER, Petra, ŠTULAR, Danaja, AHTIK, Jure. Digital printing of anaglyph images onto textile = Anaglyph görüntülerin dijital baskı ile tekstil üzerine basılması. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2013, vol. 23, no. 4, str. 381-386. [COBISS.SI-ID 2959216]
- GOLJA, Barbara, BOH, Bojana, ŠUMIGA, Boštjan, FORTE-TAVČER, Petra. Printing of antimicrobial microcapsules on textiles. *Coloration technology*, ISSN 1472-3581, 2012, vol. 128, no. 2, str. 95-102. [COBISS.SI-ID 2689392]
- FORTE-TAVČER, Petra, KOŠIR, Suzana, CSISZÁR, Emília. Properties of differently printed and easy-care finished linen fabrics. *Coloration technology*, ISSN 1472-3581, 2011, vol. 127, no. 3, str. 194-199. [COBISS.SI-ID 2552176]
- MIKUŽ, Mašenka, ŠOSTAR-TURK, Sonja, FORTE-TAVČER, Petra. Properties of ink-jet printed, ultraviolet-cured pigment prints in comparison with screen-printed,

thermo-cured pigment prints. *Coloration technology*, ISSN 1472-3581, 2010, vol. 126, no. 5, str. 249-255. [COBISS.SI-ID 2428016]

Mateja Kert (lecturer)

- GORJANC, Marija, JAZBEC, Katja, MOZETIČ, Miran, KERT, Mateja. UV protective properties of cotton fabric treated with plasma, UV absorber and reactive dye. *Fibers and polymers*, ISSN 1229-9197, 2014, vol. 15, no. 10, str. 2095-2104. [COBISS.SI-ID 3066992]
- ZDOVC, Kristina, GORJANC, Marija, KERT, Mateja. Vpliv dodatka tenzida na adsorpcijo C. I. Acid Red 14 na poliamidno 6 snutkovno pletivo = Influence of surfactant addition on adsorption of C. I. Acid Red 14 on polyamide 6 knitwear. *Tekstilec*, ISSN 0351-3386, 2013, letn. 56, št. 4, str. 312-322, ilustr. [COBISS.SI-ID 2966640]
- KERT, Mateja, SIMONČIČ, Barbara. The influence of nonionic surfactant structure on the thermodynamics of anionic dye-cationic surfactant interactions in ternary mixtures. *Dyes and pigments*, ISSN 0143-7208. [Print ed.], 2008, vol. 79, no. 1, str. 59-68. <http://dx.doi.org/10.1016/j.dyepig.2008.01.005>. [COBISS.SI-ID 1978736]

Marija Gorjanc (lecturer)

- ZAKRAJŠEK, Špela, ŠTULAR, Danaja, VASIČ STEPANČIČ, Špela, TOMŠIČ, Brigita, GORJANC, Marija, SIMONČIČ, Barbara, FORTE-TAVČER, Petra. Vizualne in funkcionalne lastnosti digitalno natisnjenih in apretiranih anaglifnih slik na bombažni tkanini = Visual and functional properties of digital printed and finished anaglyph pictures on cotton fabric. *Tekstilec*, ISSN 0351-3386, 2014, vol. 57, no. 1, str. 32-42, ilustr. [COBISS.SI-ID 2990960]
- GORJANC, Marija, KOVAČ, Franci, GORENŠEK, Marija. The influence of vat dyeing on the adsorption of synthesized colloidal silver onto cotton fabrics. *Textile research journal*, ISSN 0040-5175, 2012, vol. 82, no. 1, str. 62-69 [COBISS.SI-ID 2680432]
- GORJANC, Marija, BUKOŠEK, Vili, GORENŠEK, Marija, VESEL, Alenka. The influence of water vapor plasma treatment on specific properties of bleached and mercerized cotton fabric. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 6, str. 557-567 [COBISS.SI-ID 2287216]

I-P-6 PRETREATMENT AND FINISHING OF FIBROUS SUBSTRATES - SELECTED TOPICS

Brigita Tomšič (coordinating lecturer)

- TOMŠIČ, Brigita, ILEC, Eva, ŽERJAV, Metka, HLADNIK, Aleš, SIMONČIČ, Andrej, SIMONČIČ, Barbara. Characterisation and functional properties of antimicrobial bio-barriers formed by natural fibres. *Colloids and surfaces. B, Biointerfaces*, ISSN 0927-7765. [Print ed.], 2014, vol. , no. , 31 str. [COBISS.SI-ID 3027824]
- KLEMENČIČ, Danijela, TOMŠIČ, Brigita, KOVAČ, Franci, ŽERJAV, Metka, SIMONČIČ, Andrej, SIMONČIČ, Barbara. Antimicrobial wool, polyester and a wool/polyester blend created by silver particles embedded in a silica matrix. *Colloids and surfaces. B, Biointerfaces*, ISSN 0927-7765. [Print ed.], 2013, vol. 111, no. 1, str. 517-522. [COBISS.SI-ID 2896752]

- TOMŠIČ, Brigita, KRIŽMAN LAVRIČ, Pavla, SIMONČIČ, Barbara, OREL, Boris, JOCIĆ, Dragan. Sol-gel technology for functional finishing of PES fabric by stimuli-responsive microgel. *Journal of sol-gel science and technology*, ISSN 0928-0707, 2012, vol. 61, no. 3, str. 463-476. [COBISS.SI-ID 2673776],
- TOMŠIČ, Brigita, KLEMENČIČ, Danijela, SIMONČIČ, Barbara, OREL, Boris. Influence of antimicrobial finishes on the biodeterioration of cotton and cotton/polyester fabrics: Leaching versus bio-barrier formation. *Polymer degradation and stability*, ISSN 0141-3910, 2011, vol. 96, no. 7, str. 1286-1296. [COBISS.SI-ID 2556272]
- SIMONČIČ, Barbara, TOMŠIČ, Brigita, OREL, Boris, JERMAN, Ivan. Biodegradation of cellulose fibers and its inhibition by chemical modification. V: ITO, Ryouichi (ur.), MATSUO, Youta (ur.). *Handbook of carbohydrate polymers : development, properties and applications*, (Polymer science and technology series). New York: Nova Science Publishers, cop. 2010, ch. 7, str. [237]-277. [COBISS.SI-ID 2401392]

Barbara Simončič (lecturer)

- SIMONČIČ, Barbara, HADŽIĆ, Samira, VASILJEVIĆ, Jelena, ČERNE, Lidija, TOMŠIČ, Brigita, JERMAN, Ivan, OREL, Boris, MEDVED, Jože. Tailoring of multifunctional cellulose fibres with „lotus effect“ and flame retardant properties. *Cellulose*, ISSN 0969-0239, 2014, vol. 21, no. 1, str. 595-605. [COBISS.SI-ID 2936432]
- VASILJEVIĆ, Jelena, GORJANC, Marija, TOMŠIČ, Brigita, OREL, Boris, JERMAN, Ivan, MOZETIČ, Miran, VESEL, Alenka, SIMONČIČ, Barbara. The surface modification of cellulose fibres to create super-hydrophobic, oleophobic and self-cleaning properties. *Cellulose*, ISSN 0969-0239, 2013, vol. 20, no. 1, str. 277-289. [COBISS.SI-ID 2799984]
- KLEMENČIČ, Danijela, TOMŠIČ, Brigita, KOVAČ, Franci, ŽERJAV, Metka, SIMONČIČ, Andrej, SIMONČIČ, Barbara. Antimicrobial wool, polyester and a wool/polyester blend created by silver particles embedded in a silica matrix. *Colloids and surfaces. B, Biointerfaces*, ISSN 0927-7765. [Print ed.], 2013, vol. 111, no. 1, str. 517-522. [COBISS.SI-ID 2896752]
- KLEMENČIČ, Danijela, TOMŠIČ, Brigita, KOVAČ, Franci, SIMONČIČ, Barbara. Antimicrobial cotton fibres prepared by in situ synthesis of AgCl into a silica matrix. *Cellulose*, ISSN 0969-0239, 2012, vol. 19, no. 5, str. 1715-1729. [COBISS.SI-ID 36032773]
- SIMONČIČ, Barbara, TOMŠIČ, Brigita. Structures of novel antimicrobial agents for textiles. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 16, str. 1721-1737. [COBISS.SI-ID 2334064]

Petra Forte Tavčer (lecturer)

- ŠPIČKA, Nina, FORTE-TAVČER, Petra. Complete enzymatic pre-treatment of cotton fabric with incorporated bleach activator. *Textile research journal*, ISSN 0040-5175, 2013, vol. 83, no. 6, str. 566-573. [COBISS.SI-ID 2776432]
- FORTE-TAVČER, Petra. Low-temperature bleaching of cotton induced by glucose oxidase enzymes and hydrogen peroxide activators. *Biocatalysis and biotransformation*, ISSN 1024-2422, 2012, vol. 30, no. 1, str. 20-26. [COBISS.SI-ID 2674288]

- FORTE-TAVČER, Petra. Impregnation and exhaustion bleaching of cotton with peracetic acid. *Textile research journal*, ISSN 0040-5175, 2010, vol. 80, no. 1, str. 3-11. [COBISS.SI-ID 2331248],
- FORTE-TAVČER, Petra. *Priprava tekstilij na plemenitenje*. 1. izd. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 69 str., ilustr. ISBN 978-961-6045-88-9. [COBISS.SI-ID 254528256]
- PREŠA, Polonca, FORTE-TAVČER, Petra. Bioscouring and bleaching of cotton with pectinase enzyme and peracetic acid in one bath. *Coloration technology*, ISSN 1472-3581, 2008, vol. 124, no. 1, str. 36-42. [COBISS.SI-ID 1978480]

I-P-7 TEXTILE CARE - SELECTED TOPICS

Mateja Kert (coordinating lecturer)

- DROL, Petra, KERT, Mateja, SIMONČIČ, Barbara, HLADNIK, Aleš. Vrednotenje vpliva različnih dejavnikov pri odstranjevanju standardnih umazanij z bombažnih tkanin z večfaktorsko analizo variance = Evaluation of the influence of different parameters in removing standard soil from cotton fabric using multi-factorial analysis of variance. *Tekstilec*, ISSN 0351-3386, 2012, letn. 55, št. 3, str. 194-205. [COBISS.SI-ID 2785648]
- KERT, Mateja, SIMONČIČ, Barbara. The influence of nonionic surfactant structure on the thermodynamics of anionic dye-cationic surfactant interactions in ternary mixtures. *Dyes and pigments*, ISSN 0143-7208 [Print ed.], 2008, vol. 79, no. 1, str. 59-68. [COBISS.SI-ID 1978736]
- KERT, Mateja, SIMONČIČ, Barbara. Vpliv strukture neionskega tenzida na interakcije tenzid-tenzid = Influence of the nonionic surfactant structure on surfactant-surfactant interactions. *Tekstilec*, ISSN 0351-3386, 2007, letn. 50, št. 1/3, str. 35-49 [COBISS.SI-ID 1923184]

Barbara Simončič (lecturer)

- ILEC, Eva, SIMONČIČ, Barbara. Vpliv tenzidov na lastnosti tekstilij iz naravnih vlaken. *Argo*, ISSN 0570-8869, 2010, 53, [št.] 2, str. 38-48. [COBISS.SI-ID 2569072]
- ILEC, Eva, SIMONČIČ, Barbara, HLADNIK, Aleš. Evaluation of surfactant detergency using statistical analysis. *Textile research journal*, ISSN 0040-5175, 2009, vol. 79, no. 4, str. 318-325. [COBISS.SI-ID 2162544]
- KERT, Mateja, SIMONČIČ, Barbara. The influence of nonionic surfactant structure on the thermodynamics of anionic dye-cationic surfactant interactions in ternary mixtures. *Dyes and pigments*, ISSN 0143-7208 [Print ed.], 2008, vol. 79, no. 1, str. 59-68. [COBISS.SI-ID 1978736]
- SIMONČIČ, Barbara, ROZMAN, Veronika. Wettability of cotton fabric by aqueous solutions of surfactants with different structures. *Colloids and surfaces. A, Physicochemical and Engineering Aspects*, ISSN 0927-7757 [Print ed.], 15 Jan. 2007, vol. 292, iss. 2/3, str. 236-245. [COBISS.SI-ID 1746544]

I-P-8 SPECIALITY TEXTILES- SELECTED TOPICS

Matejka Bizjak (coordinating lecturer)

- BIZJAK, Matejka. Beton ojačan tekstilom = Textile reinforced concrete = Testilverstärkter Beton. *Tekstil*, ISSN 0492-5882, 2002, vol. 51, no. 1, str. 22-30, ilustr. [COBISS.SI-ID 1008240]
- BIZJAK, Matejka. Tehtextil ,97 - Frankfurt : tehnične tekstilije v gradbeništvu in arhitekturi = Technical textiles in building industry and architecture. *Tekstilec*, ISSN 0351-3386, 1997, let. 40, št. 9, str. 214-221. [COBISS.SI-ID 462448]
- BOSCAROL, Anastasia Taja, HEUFFEL BERGINC, Ingrid, BIZJAK, Matejka, ZEVNIK, Luka. Tekstilije letijo v nebo = Textiles fly into the sky. V: 45. simpozij o novostih v tekstilstvu, Ljubljana, 3. junij 2014. SIMONČIČ, Barbara (ur.), TOMŠIČ, Brigita (ur.). *Napredne tekstilije za družbo in gospodarstvo : zbornik izvlečkov*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2014, str. 12. [COBISS.SI-ID 3012464]

Alenka Pavko Čuden (lecturer)

- RANT, Darja, RIJAVEC, Tatjana, PAVKO-ČUDEN, Alenka. Auxetic textiles. *Acta chimica slovenica*, ISSN 1318-0207. [Tiskana izd.], 2013, vol. 60, no. 4, str. 715-723. [COBISS.SI-ID 2952560]
- PAVKO-ČUDEN, Alenka, HLADNIK, Aleš, SLUGA, Franci. Loop length of plain single weft knitted structure with elastane. *Journal of engineered fibers and fabrics*, ISSN 1558-9250, 2013, vol. 8, iss. 2, str. 110-120. [COBISS.SI-ID 2874736]
- PAVKO-ČUDEN, Alenka, URBAS, Raša. Impact of elastane addition on UV protective properties of viscose and polyacrylonitrile knits. *Acta chimica slovenica*, ISSN 1318-0207. [Tiskana izd.], 2011, vol. 58, no. 4, str. 854-859. [COBISS.SI-ID 2680688]
- PAVKO-ČUDEN, Alenka, STANKOVIČ ELESINI, Urška. Elastane addition impact on structural and transfer properties of viscose and polyacrylonitrile knits. *Acta chimica slovenica*, ISSN 1318-0207. [Tiskana izd.], 2010, vol. 57, no. 4, str. 957-962. [COBISS.SI-ID 2498416]

Tatjana Rijavec (lecturer)

- RIJAVEC, Tatjana. Visokozmogljiva vlakna na trgu. V: BUKOŠEK, Vili, et al. *Tekstilije v gumenih kompozitih*. 1. izd. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011, str. 31-64, ilustr. [COBISS.SI-ID 2540656]
- RIJAVEC, Tatjana. *Medical textiles*. Ljubljana; Banja Luka: Faculty of Natural Sciences and Engineering, Department of Textiles, 2014. 1 zv. (loč. pag.), ilustr. [COBISS.SI-ID 3005552]
- BUKOŠEK, Vili, RIJAVEC, Tatjana. Morfologija i struktura vlakana - vlakna visokih svojstava = Fibre morphology and structure - high performance fibres = Faser - Morphologie und Struktur - Hochleistungsfasern. *Tekstil*, ISSN 0492-5882, 2006, vol. 55, no. 3, str. 135-146. [COBISS.SI-ID 1642096]
- RIJAVEC, Tatjana, BUKOŠEK, Vili. Dostignuća u razvoju vlakana za tehničke namjene = Achievements in the development of fibres for technical applications = Erungenschaften in der Entwicklung der technischen Faserstoffen. *Tekstil*, ISSN 0492-5882, 2004, vol. 53, no. 11, str. 562-575. [COBISS.SI-ID 1452400]

- RIJAVEC, Tatjana. Novosti i perspektive konvencionalnih vlakana i visokoučinkovitih (HPF) vlakana za tehničke namjene = Novelties and prospects of conventional fibres and high-performance fibres for technical application = Neuheiten und Perspektiven der konventionellen und Hochleistungsfasern für technische Anwendungen. *Tekstil*, 2004, vol. 53, no. 12, str. 630-641. [COBISS.SI-ID 1456240]

I-P-9 ANCIENT GRAPHIC MATERIALS AND TECHNIQUES – SELECTED TOPICS

Jedert Vodopivec Tomažič (coordinating lecturer)

- VODOPIVEC, Jedert. Trajnost dediščine na papirju. *Arhivi*, 2003, letn.26, št. 1, str. 23-30. [COBISS.SI-ID 460149]
- ČERNIČ, Marjeta, VODOPIVEC, Jedert. Optimizing the leafcasting technique. *Restaurator*, 2004, letn. 25, str. 1-14, ilustr. [COBISS.SI-ID 226496]
- VODOPIVEC, Jedert, BUDNAR, Miloš, PELICON, Primož. Application of the PIXE method to organic objects. *Nucl. instrum. methods phys.res., B Beam interact. mater. atoms.* [Print ed.], 2005, vol. 239, str. 85-93. [COBISS.SI-ID 19244327]
- ČERNIČ, Marjeta, GRKMAN, Stanka, VODOPIVEC, Jedert. The effect of surface coating on the stability of leafcast paper. *Restaurator*, 2006, vol. 27, no. 1, str. 46-65. [COBISS.SI-ID 702837]

I-P-10 SUSTAINABILITY AT PRODUCTION AND PROCESSING OF PAPER AND PACKAGING

Diana Gregor Svetec (coordinating lecturer)

- ZULE, Janja, ČERNIČ, Marjeta, GREGOR-SVETEC, Diana. Določanje reciklabilnosti papirne in kartonske embalaže = Recyclability determination of paper based packaging products. *Papir*, ISSN 0350-6614, junij 2014, letn. 42, št. 10, str. 36-40. [COBISS.SI-ID 371136]
- VRABIČ BRODNJAK, Urška, GREGOR-SVETEC, Diana. Preparation and characterization of chitosan coatings onto regular cellulose fibers with ultrasound technique. *JCT research*, ISSN 1547-0091, 2013, vol. 10, no. 2, str. 247-254. [COBISS.SI-ID 2787952]
- JOHANSSON, Caisa, BRAS, Julien, MONDRAGON, Inaki, NECHITA, Petronela, PLACKETT, David, ŠIMON, Peter, GREGOR-SVETEC, Diana, VIRTANEN, Sanna, GIACINTI BASCHETTI, Marco, BREEN, Chris, CLEGG, Francis, AUCEJO, Susana. Renewable fibers and bio-based materials for packaging applications – a review of recent developments. *Bioresources*, ISSN 1930-2126, 2012, vol. 7, no. 2, str. 2506-2552. [COBISS.SI-ID 2708336]
- KARLOVITS, Mirica, GREGOR-SVETEC, Diana. Durability of cellulose and synthetic papers exposed to various methods of accelerated ageing. *Acta polytechnica Hungarica*, ISSN 1785-8860, 2012, vol. 9, no. 6, str. 81-100. [COBISS.SI-ID 2835312]
- GREGOR-SVETEC, Diana. Influence of layer composition on properties of recycled boards. *Cellulose Chemistry and Technology*, ISSN 0576-9787, 2010, vol. 44, no. 10, str. 505-512 [COBISS.SI-ID 2504560]

Branka Lozo (lecturer)

- GREGOR-SVETEC, Diana, ROŽIĆ, Mirela, MUCK, Tadeja, LOZO, Branka. Natural zeolite as a filler in the base ink jet paper sheet. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2012, vol. 27, no. 4, str. 721-728. [COBISS.SI-ID 2799472]
- JAMNICKI, Sonja, PÈLACH Serra, MARIA Àngels, LOZO, Branka, STANIĆ, Maja, BARUŠIĆ, Lidija. Deinking flotation of recycled linerboard for food packaging applications. *Cellulose chemistry and technology*, ISSN 0576-9787, 2010, vol. 44, no. 10, str. 481-488.
- BARBARIĆ MIKOČEVIĆ, Željka, JAMNICKI, Sonja, STANIĆ, Maja, MUCK, Tadeja, LOZO, Branka. Recycling of Varnished Offset Printed Packaging Prints *Celuloza i hartija*, ISSN 0204-6377, 2007, god. 37, no. 4, str. 16-20, ilustr. [COBISS.SI-ID 2010992]
- JAMNICKI, Sonja, BARBARIĆ-MIKOČEVIĆ, Željka, STANIĆ, Maja, LOZO, Branka, MUCK, Tadeja. Introduction of computer print-outs in the recycling process of printed folding box-board. *Progress in paper recycling*, ISSN 1061-1452, 2008, vol. 18, no. 1, str. 4-8, ilustr. [COBISS.SI-ID 2149232]

I-P-11 PACKAGING AND GRAPHIC MATERIALS - SELECTED TOPICS

Diana Gregor Svetec (coordinating lecturer)

- TIŠLER KORLJAN, Barbara, GREGOR-SVETEC, Diana. Properties and printability of compression moulded recycled polyethylene. *Materials & design*, ISSN 0264-1275. [Print ed.], Mar. 2014, vol. 55, str. 583-590, ilustr. [COBISS.SI-ID 2925680]
- KARLOVITS, Mirica, HLADNIK, Aleš, ČERNE, Lidija, GREGOR-SVETEC, Diana. Use of effect pigments for quality enhancement of offset printed speciality papers. *Color research and application*, ISSN 0361-2317. [Print ed.], June 2013, vol. 38, iss. 3, str. 168-176, doi: 10.1002/col.20753. [COBISS.SI-ID 2708080]
- GREGOR-SVETEC, Diana, ROŽIĆ, Mirela, MUCK, Tadeja, LOZO, Branka. Natural zeolite as filler in base ink jet paper sheet. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2012, vol. 27, no. 4, str. 721-728. [COBISS.SI-ID 2799472]
- KÖNIG, Silva, MUCK, Tadeja, HLADNIK, Aleš, GREGOR-SVETEC, Diana. Recycled papers in everyday office use. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2011, vol. 26, no. 3, str. 349-355, ilustr. [COBISS.SI-ID 2597744]
- DEBELJAK, Mirica, MUCK, Tadeja, GREGOR-SVETEC, Diana. Evaluation of printability on synthetic papers printed by UV ink jet. *Nordic Pulp and Paper Research Journal*, ISSN 0283-2631, 2009, vol. 24, no. 3, str. 313-318. [COBISS.SI-ID 2275440]

Sabina Bračko (lecturer)

- RAT, Blaž, MOŽINA, Klementina, BRAČKO, Sabina, PODLESEK, Anja. Influence of temperature and humidity on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Sep./Oct. 2011, vol. 55, no. 5, str. 050607/1-050607/8. [COBISS.SI-ID 2677104].
- KAVČIČ, Urška, MUCK, Tadeja, BRAČKO, Sabina, LOZO, Branka. Readability of processed digitally printed two-dimensional codes. *Journal of imaging science and technology*, ISSN 1062-3701, May/Jun. 2010, vol. 54, no. 3, str. 030502/1-030502/6. [COBISS.SI-ID 2370160].

- DEBELJAK, Mirica, BRAČKO, Sabina, HLADNIK, Aleš, GREGOR-SVETEC, Diana. Comparison of ultraviolet inkjet printing on different synthetic fibrous papers. *Tappi journal*, ISSN 0734-1415, May 2010, str. 17-25. [COBISS.SI-ID 2392944]

I-P-12 METHODS FOR STUDYING OF MATERIAL - PRINT INTERACTIONS

Tadeja Muck (coordinating lecturer)

- KÖNIG, Silva, GREGOR-SVETEC, Diana, HLADNIK, Aleš, MUCK, Tadeja. Assessing the lightfastness of prints by image chrominance histogram quantification. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2012, vol. 56, no. 6, str. 060507/1-060507/7. [COBISS.SI-ID 2873712]
- MAUKO, Alenka, MUCK, Tadeja, MIRTič, Breda, MLADENOVič, Ana, KREFT, Marko. Use of confocal laser scanning microscopy (CLSM) for the characterization of porosity in marble. V: FERNANDES, Isabel (ur.). 11th Euroseminar on microscopy applied to building materials : EMABM : Porto, 5-9 June 2007, (*Materials characterization*, ISSN 1044-5803, Vol. 60, Issue 7, 2009). New York: Elsevier, 2009, issue 7, vol. 60, str. 603-609. [COBISS.SI-ID 1469799]
- MUCK, Tadeja, JAVORŠEK, Dejana, KREFT, Marko. Use of confocal microscopy as a nondestructive method in the study of ink jet dot formation. *Journal of imaging science and technology*, ISSN 1062-3701, July/Aug. 2009, vol. 53, no. 4, str. 040201/1-040201/6. [COBISS.SI-ID 2219888]
- KAVČIČ, Urška, MAČEK, Marijan, MUCK, Tadeja, KLANJŠEK GUNDE, Marta. Readability and modulated signal strength of two different ultra-high frequency radio frequency identification tags on different packaging. *Packaging technology & science*, ISSN 0894-3214, 2012, vol. 25, iss. 7, str. 373-384. [COBISS.SI-ID 4847386]

Aleš Hladnik (lecturer)

- ĐOKIĆ, Miloje, RADONIĆ, Vasa, MLADENOVič, Vladan, PLETERŠEK, Anton, KAVČIČ, Urška, HLADNIK, Aleš, CRNOJEVIĆ-BENGIN, Vesna, MUCK, Tadeja. The influence of lamination and conductive printing inks on smart-card operability = Vpliv laminacije in prevodnih tiskarskih barv na delovanje pametnih kartic. *Materiali in tehnologije*, ISSN 1580-2949. [Tiskana izd.], 2014, vol. 48, no. 4, str. 497-504. [COBISS.SI-ID 3044464]
- KARLOVITS, Mirica, HLADNIK, Aleš, ČERNE, Lidija, GREGOR-SVETEC, Diana. Use of effect pigments for quality enhancement of offset printed speciality papers. *Color research and application*, ISSN 0361-2317. [Print ed.], June 2013, vol. 38, iss. 3, str. 168-176. [COBISS.SI-ID 2708080]
- KÖNIG, Silva, GREGOR-SVETEC, Diana, HLADNIK, Aleš, MUCK, Tadeja. Assessing the lightfastness of prints by image chrominance histogram quantification. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2012, vol. 56, no. 6, str. 060507/1-060507/7. [COBISS.SI-ID 2873712]
- VESEL, Alenka, MOZETIČ, Miran, HLADNIK, Aleš, DOLENC, Jožica, ZULE, Janja, MILOŠEVIĆ, Slobodan, KRSTULOVIĆ, Nikša, KLANJŠEK GUNDE, Marta, HAUPTMAN, Nina. Modification of ink-jet paper by oxygen-plasma treatment. *Journal of physics. D, Applied physics*, ISSN 0022-3727, 2007, vol. 40, str. 3689-2696. [COBISS.SI-ID 20783399]

- MUCK, Tadeja, HLADNIK, Aleš. Evaluation of the quality of ink-jet printed paper by planar chromatography. *JPC. Journal of planar chromatography, modern TLC*, ISSN 0933-4173, 2003, vol. 16, no. 2, str. 154-159. [COBISS.SI-ID 205760]

I-P-13 QUALITY ANALYSIS OF GRAPHIC DESIGN PRODUCTS

Klementina Možina (coordinating lecturer)

- MOŽINA, Klementina. *Knjižna tipografija*, (BiblioThecaria, 13). Ljubljana: Filozofska fakulteta, Oddelek za bibliotekarstvo: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2003. 302 str. ISBN 961-237-044-3, [COBISS.SI-ID 123703808]
- MOŽINA, Klementina, ČERNIČ, Marjeta, DEMŠAR, Andrej. Nondestructive methods for chemical, optical, colorimetric and typographic characterisation of a reprint. *Journal of cultural heritage*, 2007, ISSN 1296-2074, no. 8, str. 339-349, [COBISS.SI-ID 1974640]
- MOŽINA, Klementina, URBANC, Tanja, RAT, Blaž, BRAČKO, Sabina. Influence of light on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Nov./Dec. 2010, vol. 54, no. 6, str. 060403/1-060403/8. [COBISS.SI-ID 2510192]
- RAT, Blaž, MOŽINA, Klementina, BRAČKO, Sabina, PODLESEK, Anja. Influence of temperature and humidity on typographic and colorimetric properties of ink jet prints. *Journal of imaging science and technology*, ISSN 1062-3701, Sep./Oct. 2011, vol. 55, no. 5, str. 050607/1-050607/8. [COBISS.SI-ID 2677104]
- MOŽINA, Klementina, MOŽINA, Klemen, BRAČKO, Sabina. Non-invasive methods for characterisation of printed cultural heritage. *Journal of cultural heritage*, ISSN 1296-2074, 2013, vol. 14, [No.] 1, str. 8-15. [COBISS.SI-ID 2719600]

Darko Slavec (lecturer)

- 150 samostojnih in 171 skupinskih likovnih in fotografskih razstav doma in v tujini
- SLAVEC, Darko. *Likovna analiza slike Wilhelma Leibla Tri žene v cerkvi*. SLUT, ISSN 2232-2213, dec. 2012, leto 5, št. 5, str. 5 - 64. [COBISS.SI-ID 2858634]
- SLAVEC, Darko, *Pogled v nebo*. Slovenj Gradec, Koroška galerija likovnih umetnosti, monografija, 11, 2011, 128 strani [COBISS.SI-ID 67556353]
- SLAVEC, Darko (avtor, urednik). *Fotografija*. Ljubljana: Much, 2000. 68 str. ISBN 961-90657-1- [COBISS.SI-ID 106419712]
- SLAVEC, Darko (umetnik, fotograf, urednik). *Darko Slavec : 20. oktober - 18. november 2005*, Poslovni center Mercator, Galerija Mercator. [S. l.: s. n., 2005]. [22] str. [COBISS.SI-ID 222817792]
- Dokumentarni film OD KRUHA DO ZVEZD, portret slikarja Darka Slavca, 50 min., RTV Slovenija, 2009
- PLAŽH, Lara, SLAVEC, Darko, JEVŠNIK, Simona. Compositional principles in blue-printing models and their application to modern patterns. V: 12th World Textile Conference AUTEX 2012, 13th -15th June 2012, Zadar, Croatia. MIJOVIĆ, Budimir (ur.). *Book of proceedings : innovative textile for high future demands*. Zagreb: Faculty of Textile Technology, University of Zagreb, 2012, str. 1245-1252, ilustr. [COBISS.SI-ID 1024321376]

Helena Gabrijelčič Tomc (lecturer)

- JAVORŠEK, Dejana, ISKRA, Andrej, GABRIJELČIČ TOMC, Helena, JAVORŠEK, Andrej. Theoretical prediction of colours and illuminants in sRGB colour space. *Acta graphica*, ISSN 0353-4707. [Print ed.], 2012, [vol.] 23, [št.] 1/2, str. 13-24. [COBISS.SI-ID 2787440]
- FRIŠKOVEC, Mojca, GABRIJELČIČ, Helena. Development of a procedure for camouflage pattern design. *Fibres & textiles in Eastern Europe*, ISSN 1230-3666, 2010, vol. 81, no. 4, str. 68-76. [COBISS.SI-ID 4600602]
- FRIŠKOVEC, Mojca, GABRIJELČIČ, Helena, SIMONČIČ, Barbara. Design and evaluation of a camouflage pattern for the Slovenian urban environment. *Journal of imaging science and technology*, ISSN 1062-3701, Mar./Apr. 2010, vol. 54, no. 2, str. 020507/1-020507/11, ilustr. [COBISS.SI-ID 2369904],
- GABRIJELČIČ TOMC, Helena, DIMITROVSKI, Krste. Use of regression methods for determining the relation between theoretical-linear and spectrophotometrical colour values of bicolour woven structures. *Coloration technology*, ISSN 1472-3581, 2009, vol. 125, no. 2, str. 74-85, [COBISS.SI-ID 2175088]

I-P-14 INTERIOR AND EXTERIOR TEXTILES

Marija Jenko (coordinating lecturer)

- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. *Symposium proceedings*. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065-1072, ilustr. [COBISS.SI-ID 2406512]
- ŠTEMBERGER, Marjanca, JENKO, Marija. Transformacija slik v tkanino in oblačilo = Image transformation into fabric and clothing. V: 44. simpozij o novostih v tekstilstvu, Ljubljana, 6. junij 2013. SIMONČIČ, Barbara (ur.), FORTE-TAVČER, Petra (ur.). *Trajnostni razvoj v tekstilstvu : zbornik izvlečkov*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013, str. 45. [COBISS.SI-ID 3017072]
- SADAR, Almira (avtor, urednik), FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. *Booknjiga*. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. *Več svetlobe! = More light!* : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]

Matejka Bizjak (lecturer)

- GORENŠEK, Marija, SEVER, Mateja, DEBELAK, Franci, RIJAVEC, Tatjana, BIZJAK, Matejka, BRAČKO, Sabina. Pametne tekstilije za zavese: Impregnrno barvanje poliestrne preje s fosforescenčnimi pigmenti = Smart textiles for curtains. Part

1, Pad-dyeing of polyester yarn with phosphorescent pigments. *Tekstilec*, ISSN 0351-3386, 2006, letn. 49, št. 10/12, str. 201-206. [COBISS.SI-ID 1803888]

- BIZJAK, Matejka, SEVER, Mateja. Transparent curtains with reduced weft density. V: 37th International Symposium on Novelties in Textiles [and] 2nd International Symposium on Novelties in Graphics [and] 7th International Symposium of SCA: Colors of National Symbols, Ljubljana, Slovenia, 15-17 June 2006. SIMONČIČ, Barbara (ur.), et al. *Book of proceedings*. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2006, 5 f. [COBISS.SI-ID 1719664]
- SEVER, Mateja, BIZJAK, Matejka. Zavesa kot del ambienta. V: 34. simpozij o novostih v tekstilstvu, Ljubljana, 15. november 2002. KERT, Mateja (ur.). *Notranja oprema*. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2002, 6 str. [COBISS.SI-ID 1150064]

Karin Košak (lecturer)

- KOŠAK, K.. Razvoj oblikovanja. Ljubljana: Naravoslovno-tehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384] / Univerzitetni učbenik z recenzijo
- KOŠAK, Karin. Solving problems in contemporary design. V: 41st International Symposium on Novelties in Textiles and 5th in International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. *Symposium proceedings*. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 486-490, ilustr. [COBISS.SI-ID 2378096] / Objavljeni strokovni prispevek na konferenci
- KOŠAK ORLAČ, K.: Bühnenbilder und Kostüme, Theater Akzent/ Wiener Festwochen/ Dunaj, Avstrija, 1999; katalog [COBISS.SI-ID 624752] / Razstava in katalog
- KOŠAK, Karin. Decorative city lighting and the new slovenian Light Pollution Law. V: ORGULAN, Andrej (ur.). *Zbornik = Proceedings*. Maribor: Slovensko društvo za razsvetljavo, 2008, str. 355-358, ilustr. [COBISS.SI-ID 2240368]
- več kot 30 izvedenih gledaliških in opernih scenografij v Avstriji, Švici, Italiji in Sloveniji ter več kot 25 projektov s področja scenografije mesta in oblikovanja svetlobe

I-P-15 ADVANCED MATERIALS IN TEXTILES

Tatjana Rijavec (coordinating lecturer)

- RIJAVEC, Tatjana, BRAČKO, Sabina. Smart dyes for medical and other textiles. V: LANGENHOVE, Lieva van (ur.). *Smart textiles for medicine and healthcare : materials, systems and applications*, (Woodhead publishing in textiles). Boca Raton [etc.]: CRC Press; Cambridge: Woodhead Publishing; [Manchester]: The Textile Institute, 2007, [ch. 7], str. 123-149. [COBISS.SI-ID 1868400]
- GORENŠEK, Marija, SEVER, Mateja, DEBELAK, Franci, RIJAVEC, Tatjana, BIZJAK, Matejka, BRAČKO, Sabina. Pametne tekstilije za zavesa: Impregnirno barvanje poliestrne preje s fosforescenčnimi pigmenti = Smart textiles for curtains. Part 1, Pad-dyeing of polyester yarn with phosphorescent pigments. *Tekstilec*, ISSN 0351-3386, 2006, letn. 49, št. 10/12, str. 201-206. [COBISS.SI-ID 1803888]

- RIJAVEC, Tatjana. Barvno aktivne tekstilije - kromizem ali reverzibilno spreminjanje barve = Colour active textiles - chromism or reversible colour changing. *Tekstilec*, ISSN 0351-3386, 2005, letn. 48, št. 1/3, str. 7-20. [COBISS.SI-ID 1468528]
- RIJAVEC, Tatjana, BUKOŠEK, Vili. Dostignuća u razvoju vlakana za tehničke namjene = Achievements in the development of fibres for technical applications = Erungenschaften in der Entwicklung der technischen Faserstoffen. *Tekstil*, ISSN 0492-5882, 2004, vol. 53, no. 11, str. 562-575. [COBISS.SI-ID 1452400]
- RIJAVEC, Tatjana, MALEJ-KVEDER, Sonja, VUJASINOVIĆ, Edita. Istraživanje postojanosti na svjetlo multifilamentnih poliamidnih (PA 6) pređa - utjecaj specifične površine = Investigation of multifilament polyamide (PA 6) yarn fastness to light - the impact of specific surface = Untersuchung der Lichtecheit von PA - Multifilamentgarnen (PA 6) - Einfluss der spezifischen Fläche. *Tekstil*, ISSN 0492-5882, 2001, vol. 50, no. 6, str. 277-289, ilustr. [COBISS.SI-ID 984176]

Sabina Bračko (lecturer)

- BRAČKO, Sabina, RIJAVEC, Tatjana, BIZJAK, Grega, GORENŠEK, Marija. Impregnation dyeing of cotton/polyester spun yarn mixture with photoluminescent pigments = Pamuk/poliester iplik karişiminin parlayan pigmentler ile emdirme yöntemine göre boyanması. *Tekstil ve konfeksiyon dergisi*, ISSN 1300-3356, 2011, vol. 21, no. 1, str. 58-64. [COBISS.SI-ID 2542192]
- BRAČKO, Sabina, ŠOLAR, Alenka, FORTE-TAVČER, Petra, SIMONČIČ, Barbara. Colour constancy of vat prints on cotton fabrics. *Coloration technology*, ISSN 1472-3581, 2009, vol. 125, no. 4, str. 222-227. [COBISS.SI-ID 2243440]
- RIJAVEC, Tatjana, BRAČKO, Sabina. Smart dyes for medical and other textiles. V: LANGENHOVE, Lieva van (ur.). *Smart textiles for medicine and healthcare : materials, systems and applications*, (Woodhead publishing in textiles). Boca Raton [etc.]: CRC Press; Cambridge: Woodhead Publishing; [Manchester]: The Textile Institute, 2007, [ch. 7], str. 123-149. [COBISS.SI-ID 1868400]
- GORENŠEK, Marija, SEVER, Mateja, DEBELAK, Franci, RIJAVEC, Tatjana, BIZJAK, Matejka, BRAČKO, Sabina. Pametne tekstilije za zavese: Impregnirno barvanje poliesterne preje s fosforescenčnimi pigmenti = Smart textiles for curtains. Part 1, Pad-dyeing of polyester yarn with phosphorescent pigments. *Tekstilec*, ISSN 0351-3386, 2006, letn. 49, št. 10/12, str. 201-206. [COBISS.SI-ID 1803888]

Milan Bizjak (lecturer)

- BIZJAK, Milan, KOSEC, Ladislav, KOSEC, Borut, ANŽEL, Ivan. The characterization of phase transformations in rapidly solidified Al-Fe and Cu-Fe alloys through measurements of the electrical resistance and DSC. *Metalurgija*, ISSN 0543-5846, 2006, let. 45, št. 4, str. 281-286, ilustr. [COBISS.SI-ID 639071]
- LOJEN, Gorazd, ANŽEL, Ivan, KNEISL, Albert C., UNTERWEGER, E., KOSEC, Borut, BIZJAK, Milan. Microstructure of rapidly solidified Cu-Al-Ni shape memory alloy ribbons. *J. mater. process. technol.* ISSN 0924-0136. [Print ed.], May 2005, vol. 162/163, str. 220-229. [COBISS.SI-ID 9607190]
- BIZJAK, Milan, KOSEC, Ladislav, KNEISL, C. Albert, KOSEC, Borut. The characterization of microstructural changes in rapidly solidified Al-Fe alloys through me-

asurement of their electrical resistance, *International Journal of Materials Research*, ISSN 1862-5282, 2008, vol. 99, no. 1, str. 101-108. [COBISS.SI-ID 767583]

Marjan Jenko (lecturer)

- JENKO, Marjan, RIJAVEC, Tatjana. Razvoj fotonske tekstilije = Development of photonic textile. V: 40. simpozij o novostih v tekstilstvu, Ljubljana, 19. junij 2009. SIMONČIČ, Barbara (ur.), GORJANC, Marija (ur.). Tekstilna znanost v novih razmerah : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009, str. 12. [COBISS.SI-ID 2212720]
- JENKO, Marjan. Specifične zahteve za gradnjo elektronike v tekstil - fleksibilna tiskana vezja, mikrokontrolerji, senzorji, aktuatorji in viri energije : [predavanje na] 3. Nanotehnološki dan v okviru Sejma elektronika 25. 3. 2009, Ljubljana. Ljubljana: Sejem elektronike, 25. 3. 2009. [COBISS.SI-ID 11217179] <http://www2.arnes.si/~mjenko9/E/Elektrotehnika.pdf>. [COBISS.SI-ID 276129792]
- RIJAVEC, Tatjana, JENKO, Marjan. E-tekstilije : elektronske tekstilije - stanje in razvoj : specifične zahteve za vgradnjo elektronike v tekstil. [Ljubljana]: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. 1 el. optični disk (CD-ROM). [COBISS.SI-ID 2184304]
- JENKO, Marjan. Elektrotehnika. Ljubljana: Fakulteta za strojništvo, 2014. ISBN 978-961-6536-79-0.

I-P-16 THE STUDY OF GENDER, BODY AND CLOTHING

Alenka Švab (coordinating lecturer)

- ŠVAB, Alenka. Consuming western image of well-being: shopping tourism in socialist Slovenia. *Cultural studies*, ISSN 0950-2386, Jan. 2002, vol. 16, no. 1, str. 63-79. [COBISS.SI-ID 188013]
- ŠVAB, Alenka, KUHAR, Roman. Researching hard-to-reach social groups : the example of gay and lesbian population in Slovenia. *Društvena istraživanja*, ISSN 1330-0288, svi.-lip. 2008, god. 17, br. 3, str. 529-552. [COBISS.SI-ID 512407936]
- ŠVAB, Alenka. Divided we stand = teme in dileme študij spolov. V: DEBELJAK, Aleš (ur.), STANKOVIĆ, Peter (ur.), TOMC, Gregor (ur.), VELIKONJA, Mitja (ur.). *Cooltura : uvod v kulturne študije*, (Knjižna zbirka Scripta). Ljubljana: Študentska založba, 2002, str. 195-210, ilustr. [COBISS.SI-ID 230765]
- RENER, Tanja, SEDMAK, Mateja, ŠVAB, Alenka, UREK, Mojca. Le radici e le ali : la vita familiare in Slovenia. *Cassino: Qualecultura: Università degli studi*, 2005. 216 str. ISBN 88-16-90106-5. [COBISS.SI-ID 356973]
- ŠVAB, Alenka, KUHAR, Roman. *The unbearable comfort of privacy : the everyday life of gays and lesbians* : reviewers Tanja Rener, Aleksandar Štulhofer, (Book series Politike). Ljubljana: Peace Institute, Institute for Contemporary Social and Political Studies, 2005. 160 str., ilustr. ISBN 961-6455-39-7. [COBISS.SI-ID 224892928]

I-P-17 FASHION AND MEDIA COMMUNICATION

Maruša Pušnik (coordinating lecturer)

- PUŠNIK, Maruša. *Fashion and socialist legacy: media as cultural entrepreneurs of fashion tastes in socialism*. ESSHC Vienna 2014. [COBISS.SI-ID 32682845]

- PUŠNIK, Maruša, An entertaining (r)evolution: the rise of television in socialist Slovenia. *Media, culture & society*, ISSN 0163-4437, 2008, vol. 30, no. 6, str. 777-793. [COBISS.SI-ID 3404209]
- PUŠNIK, Maruša (urednik). *Remembering utopia: the culture of everyday life in socialist Yugoslavia*. Washington: New Academia, 2010. XIV, 453 str., ilustr. ISBN 978-0-9844062-3-4. [COBISS.SI-ID 29539421]

I-P-18 SUSTAINABLE DESIGN

Almira Sadar (coordinating lecturer)

- SADAR, Almira. Fashion and sustainable development. V: SIMONČIČ, Barbara (ur.), HLADNIK, Aleš (ur.), PAVKO-ČUDEN, Alenka (ur.), AHTIK, Jure (ur.), LUŠTEK PRESKAR, Barbara (ur.), DEMŠAR, Andrej (ur.), URBAS, Raša (ur.). 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 143-146, ilustr. [COBISS.SI-ID 2392432]
- SADAR, Almira, FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]
- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]
- SADAR, Almira. O modi. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2009. 116 str. ISBN 978-961-6045-76-6. [COBISS.SI-ID 247472384]

Marija Jenko (lecturer)

- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065-1072, ilustr. [COBISS.SI-ID 2406512]
- ŠTEMBERGER, Marjanca, JENKO, Marija. Transformacija slik v tkanino in oblačilo = Image transformation into fabric and clothing. V: 44. simpozij o novostih v tekstilstvu, Ljubljana, 6. junij 2013. SIMONČIČ, Barbara (ur.), FORTE-TAVČER, Petra (ur.). Trajnostni razvoj v tekstilstvu : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2013, str. 45. [COBISS.SI-ID 3017072]
- SADAR, Almira (avtor, urednik), FAJT, Elena, KOŠAK, Karin, JENKO, Marija, PERŠUH, Nataša, KOČEVAR, Tanja Nuša, SEŠLAR-ZALOŽNIK, Vera. Booknjiga. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2010. [231] str., ilustr. ISBN 978-961-6045-78-0. [COBISS.SI-ID 250987520]

- FAJT, Elena (avtor, urednik), PERŠUH, Nataša, SADAR, Almira, SEŠLAR-ZALOŽNIK, Vera, KOŠAK, Karin, GODLER, Marjeta, KOČEVAR, Tanja Nuša, JENKO, Marija, JELINIČ, Ana, KRANVOGEL, Klementina, MAGISTER, Katja. Več svetlobe! = More light! : [tekstilna monografija]. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2011. 167 str., ilustr. ISBN 978-961-6045-91-9. [COBISS.SI-ID 255934208]

Elena Fajt (lecturer)

- JENKO, Marija, FAJT, Elena, GORENŠEK Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065 - 1072, ilustr. [COBISS.SI-ID 2406512]
- GORJANC, Marija, JENKO, Marija, FAJT, Elena. Oblikovanje potovalnih tekstilnih dodatkov "Potujoči Jaz (Portable I)". V: 43. simpozij o novostih v tekstilstvu, Tekstilna obzorja, Ljubljana, 7. junij 2012. SIMONČIČ, Barbara (ur.), GORJANC, Marija (ur.). Tekstilna obzorja : zbornik izvlečkov. Ljubljana: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2012, str. 25. [COBISS.SI-ID 2743664]
- JENKO, Marija, FAJT, Elena, GORENŠEK, Marija. Fine polyamide knitwear. V: 41st International Symposium on Novelties in Textiles and 5th International Symposium on Novelties in Graphics and 45th International Congress IFKT, Ljubljana, Slovenia, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Symposium proceedings. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 1065-1072, ilustr. [COBISS.SI-ID 2406512]
- FAJT, Elena. Would you wear hair?. V: 41st International Symposium on Novelties in Textiles, 5th International Symposium on Novelties in Graphics, 45th International Congress IFKT, Ljubljana, 27-29 May 2010. SIMONČIČ, Barbara (ur.), et al. Book of abstracts. Ljubljana: Faculty of Natural Sciences and Engineering, Department of Textiles, 2010, str. 93. [COBISS.SI-ID 3067760]

Other potential mentors

Urša Stankovič Elesini (coordinating lecturer)

- STANKOVIČ ELESINI, Urška, KODARIN, Sabina, URANKAR, Jože, POTOČNIK, Andreja, WEINGERL, Primož. Analiza in razvoj algoritma za reševanje pritožb potrošnikov = Analysis and development of algorithm for solving complaints of consumers. Tekstilec, ISSN 0351-3386, 2014, vol. 57, no. 1, str. 12-31.
- URBAS, Raša, PAVLOVIĆ, Živko, DRAGANOV, Srdjan, STANKOVIČ ELESINI, Urška. Offset printing by the microcapsules - influence on the properties of paper substrate. V: NOVAKOVIĆ, Dragoljub (ur.). Proceedings. Novi Sad: Faculty of Technical Sciences, Department of Graphic Engineering and Design, 2014, str. 51-58-
- STANKOVIČ ELESINI, Urška, ŠUMIGA, Boštjan, MANOJLOVIĆ, Stefan, URBAS, Raša. Raised printing with screen printing technique. V: 7th Symposium of Information and Graphic Arts Technology, Ljubljana, 5-6 June 2014. URBAS, Raša (ur.). Proceedings. V Ljubljani: Naravoslovnotehniška fakulteta, Oddelek za tekstilstvo, 2014, str. 187-192

- STANKOVIČ ELESINI, Urška, CERAR, Estera, PAVKO-ČUDEN, Alenka. Tekstilne poti po ljubljanskih ulicah. Ljubljana: Oddelek za tekstilstvo, Naravoslovnotehniška fakulteta: Mestna občina, 2014. 64 str., ilustr. ISBN 978-961-6900-11-9.
- LESKOVŠEK, Mirjam, STANKOVIČ ELESINI, Urška. Critical stages in the spinning process of thermoplastic fibers with micro / nanoparticles. V: 4th International Scientific-Professional Conference Textile Science and Economy, TNP 2012, Zrenjanin, 06-07th November 2012. Proceedings. Zrenjanin: Technical Faculty "Mihajlo Pupin", 2012, str. 95-100.

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