

FUTURE EVENTS

1. Foresight Seminar "Modern Technologies for the Textile Industry a Change for Poland"

28.01.2014, Łódź, Poland

Organisers:

- Prof. **Izabella Krucińska** Ph.D., D.Sc. Eng. Vice dean, responsible for science, of the Faculty of Materials Technologies and Textile Design, leader of the Polish Technology Platform of the textile industry
- **Danuta Ciechańska**, Ph.D., D.Sc. Eng. – director of the Institute of Biopolymers and Chemical Fibres, co-ordinator of the Foresight Project.

The aim of the seminar was the presentation of the Foresight Project's results in the form of integrated programmes for the development of modern textile technologies, as well as visions and concepts of a strategic research programme and assumptions for an innovative policy related to the textile industry. Among the participants of the seminar there were representatives of universities and research centers as well as from industry and business. The following presentations were given:

- Integrated programme for the development of modern textile technologies elaborated on the basis of the work of two teams of experts – by Prof. Izabella Krucińska Ph. D., D.Sc., Eng. and Prof. Bogumił Łaskiewicz Ph.D., D.Sc. Eng.
- "Strategic Research Programme within the Scope of Textiles" – by Katarzyna Majchrzycka Ph. D., Eng.
- "Assumptions for innovative Policy within the Scope of Textiles" by Prof. Zofia Wysokińska Ph. D., D.Sc. Deputy Rector of Lodz University.

A discussion of the Foresight Project's results was summarised in the creation of a new research programme "Innovative Textiles 2020 plus", which takes into consideration new financial perspectives for the years 2014 - 2020.

2. XIII International Izmir Textile and Apparel Symposium

2-5 April 2014 Antalya, Turkey

Organiser:

Ege University, Engineering Faculty, Department of Textile Engineering

Chairwoman of the Organizing Committee

Prof. Dr. E. Perrin Akcakoca Kumbasar

Topics:

- Textile fibres and spinning technologies
- Weaving, knitting and non-woven technologies
- Textile finishing-dyeing & printing
- Apparel manufacturing
- Nanotechnology and nano fibres
- New development in processing & treatments
- Textile machinery
- Textile chemistry
- Technical textiles
- Smart and interactive textiles
- Functional textiles
- Biotechnology applications and medical textiles

- New textile materials
- Ecology and environment
- Comfort and wellbeing
- Textile testing
- Modelling and simulation
- Energy analysis and management
- E-activities in textiles
- Supply chain management
- Textile Design and Fashion
- Textile education

For more information please contact:

Ege University, Engineering Faculty, Department of Textile Engineering, Bornova Izmir

e-mail: iitas@mail.ege.edu.tr

perrin.akcakoca@ege.edu.tr

www.iitas.ege.edu.tr

3. 14th Festival of Science, Technique and Art 7-14 April 2014, Łódź, Poland

A set of lectures related to fibres and textiles will be presented, by researchers of the Faculty of Material Technologies and Textile Design, Lodz University of Technology (on 10th April 2014 at the "Factory of Engineers of the 21st Century, a new building of the Mechanical Faculty)

- "Modern designing – numerical simulations", by **Piotr Szablewski**, Ph.D., Eng. Jan Turant, Ph.D., Eng.
- "Clothing for premature babies", by **Agnieszka Szalek**, M.Sc., Eng.
- "Clothing as a subject of artistic expression", by **Aleksandra Sowińska**, M.Sc.
- "Knitted textiles applied in medicine", by **Katarzyna Piekłak**, Ph.D., Eng.
- "Knitted pressure products in sport and medicine, by **Anita Iliska**, M.Sc., Eng.
- "Textiles out of this world", by **Marek Idzik**, Ph.D., Eng.
- "Bullet-proof vests – in the past, presence and in the future, by **Justyna Dominiak**, M.Sc., Eng.
- "Textiles and the safety in traffic", by **Beata Szalek**, M.Sc., Eng.

By members of the Polish Textile Association, Branch Łódź (on 9th April 2014, at the "Dom Technika" the seat of the Polish Textile Association)

- "Influence of the clothing design on the products' final quality", by **Elżbieta Ostrowska**, M.Sc., Eng.
- Spatial knitted structures applied for composite strengthening, by **Katarzyna Piekłak**, Ph.D., Eng.

4. 8th International Conference on Polymer and Fibre Biotechnology

25-27 May 2014, Braga, Portugal

Topics:

Industrial Enzymes

Novel biocatalysts for specific applications; robust enzymes for polymer and textile bioprocessing; extremozymes.

Natural and Bio-based Polymers and Fibres

Emerging natural, genetically engineered, biomass/fermentation-derived polymers and fibres; biodegradable polymers; self-assembling polymers; functionalisation of (bio)polymers; renewable sources of poly-

mers and chemicals; valorisation of waste materials.

Biofunctionalisation of Synthetic Materials

Surface modification, functionalisation of synthetic polymers and fibres through biocatalysis; biologically active surfaces and interfaces.

Sustainable Processes

Biocatalytic process design; upscaling of bioprocesses to industrial level; combination of biotechnological, chemical and physical processes; low health and environmental impact processes; textile bioprocessing; wastewater treatment (bioadsorption/biodegradation).

Smart Materials through Nanobiocatalysis

Immobilization/incorporation of enzymes into nanostructured materials; applications (proteomics, biofuel cells, antifouling, bioconversion, biosensing, bioremediation).

Nano/Bio-materials and Applications

Bio-inspired, bio-mimicking approaches to material design; nanostructured materials (particles, fibres, etc.); regenerative medicine; drug/actives encapsulation and delivery; cosmetics; detergency.

Conference Chairman

Artur Cavaco-Paulo, University of Minho, Portugal,

Contact:

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5. Autex 2014 14th World Textile Conference 26-28 May 2014, Bursa, Turkey

Conference topics

- Advanced fibres and materials
- Technical and protective textiles
- Smart, functional and interactive textiles
- Medical textiles, tissue engineering, implants
- Ecological and environmental textiles, recycling
- Textile membranes
- Textiles in composites
- Nanotechnology, nanotextiles, electrospinning
- Biopolymers and biotechnology
- Advancements in textile processing (spinning, weaving, knitting, etc.)
- Finishing, dyeing, surface functionalisation and coating
- Developments in textile and clothing machinery
- Environment and energy
- Quality control systems and devices in textiles and clothing
- Modelling and simulation in textiles
- Fashion and design in the textile industry
- Textile management and economy
- Textile education and training

Organising committee

President of the conference
Recep EREN
Vice-President of the conference
Binnaz MERİÇ KAPLANGİRAY

Members

Recep EREN - **President**
Binnaz MERİÇ KAPLANGİRAY
Dilek KUT
Hüseyin Aksel EREN
Yakup AYKUT
Serkan TEZEL

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http://autex2014.org

6. 2nd International Forum for Laundering and Textile Technologies - PRAL-TEXFORUM

2-4 Juni 2014, Kielce, Poland

Organiser:

Fair Kielce, Polish Textile Association and Polish Laundering Association

Contact:

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www.targikielce.pl

7. Fair for Laundry Solutions and Textile Technologies

10-11 Juni 2014, Sosnowiec, Poland

Topics:

- Machines and tools for textile and laundry industries
- Equipment and accessories for textile and laundry industries
- Laundry solutions
- Software and automation solutions for textile and laundry industries
- Textiles, including hardware textiles
- Technologies used in the weaving process
- Textile treatment technologies (dyeing, design printing, finishing, washing, drying)
- Textile treatment materials
- Chemicals
- Textile finishing technologies
- Carpet treatment technologies
- Laundry and textile supplies
- Financial and insurance services
- Environmental protection in textile finishing - pollution reducing methods and technologies
- Waste management, recycling

Organisers:

Expotextil

Contact:

Wioletta Błońska-Dudek
kom.: +48 510 031 732
e-mail *expotextil@exposilesia.pl*
www.expotextil.pl

8. Nordic Polymer Days 2014 10-12 Juni 2014, Chalmers, Sweden

Topics:

- Biopolymers and biomimetic materials.
- Recycling and biodegradable material.
- Polymerisation and advanced polymer synthesis.
- Rheology, mechanical properties and processing of polymers.
- Polymer composites and nanocomposites.
- Degradation and stabilisation.
- Polymers in pharmaceuticals and biomedicine.
- Polymers for electrical and electronic applications.
- Current application trends, such as packaging, construction and textiles.

Organising Committee

- *Antal Boldizar, Mikael Righdahl and Marcus Folino, Chalmers - Materials and Manufacturing Technology*
- *Christian Müller and Anette Larsson, Chalmers - Polymer technology and Pharmaceutical technology*
- *Mats Stading, SIK - The Swedish Institute for Food and Biotechnology*
- *Ignacy Jakubowicz, SP - The Swedish Technical research Institute*

Contact:

Marcus Folino (secretary)
marcus.folino@chalmers.se

9. 19th International Conference on Renewable Resources and Plant Biotechnology NAROSSA® 2014 16 -17 Juni 2014 r.

Organiser:

Institute of Natural Fibres and Medical Plants

Scientific Committee:

- *Prof. Dr. Melvyn F. Askew, Census Bio, Wolverhampton, United Kingdom*
- *Dr. Peter Bloß, Kunststoff-Zentrum in Leipzig gGmbH, Leipzig, Germany*
- *Prof. Mirosława Gilewska, Poznań University of Life Sciences, Dept. of Pedology and Waste Land Recultivation, Poznań, Poland*
- *Dr. Matthias Gohla, Institute for Factory Management and Automatisatation, Magdeburg, Germany*
- *Ph.D. Paul P. Kolodziejczyk, Biolink Consultancy Inc., New Denver, Canada*
- *Prof. Gotthard Kunze, Institute for Plant Genetics and Culture-Plants investigation, Gatersleben, Germany*
- *Prof. Dr. Ingo Schellenberg, Hochschule Anhalt, Center of Life Sciences, Bernburg, Germany*
- *Prof. Ryszard Słomski, Poznań University of Life Sciences, Dept.*

of Biochemistry and Biotechnology,
Poznań, Poland

- Prof. **Grzegorz Spychalski**, Institute of Natural Fibres and Medicinal Plants, Poznań, Poland
- Dr. **Ralph Thomann**, Institute for Cereal Processing GmbH, Bergholz-Rehbrücke, Germany
- Dr. **Maria Wladyka-Przybylak**, Institute of Natural Fibres and Medicinal Plants, Poznań, Poland
- Prof. Dr. **Gennady E. Zaikov**, N. M. Emanuel Institute of Biochemical Physics, Moscow, Russia

Conference topics:

- **Extraction and application of proteins**
 - New protein resources (plant proteins, microalgae, insects)
 - Extraction and purification processes
 - Food, feed and technical applications
- **Remediation of degraded land by cultivation of different plants**
 - Remediation of post-mining and post-industrial land
 - Use of plant biomass from remediated land
 - Re-establishment of biodiversity on degraded land
- **Biorefinery processes**
 - New biomass resources
 - Second generation biofuels
 - Extraction and application of bioactive substances
- **Biomaterials – Recent development of bioplastics and biocomposites**
 - Bioplastics based on renewable resources
 - Biobased composites (natural fibres, nano particles, etc.)
- **FIBRE CROPS as a sustainable renewable resource for multiple uses in Europe and China**
 - Genetics and genomics of fibre crops
 - Cropping practices and resource use efficiency
 - Fibre crops for multiple uses

Contact:

Institute of Natural Fibres and Medicinal Plants
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Prof. Grzegorz Spychalski
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10. Biobased materials 10th Congress for Biobased Materials, Natural Fibres and Wood Plastic Composites

24-25 June 2014 Stuttgart-Fellbach, Germany

Topics:

- Biological, biobased materials: bioplastics and biocomposites
- Natural and cellulose fibre-reinforced and innovative plastic composites
- Innovative processing and manufacturing methods for said materials and composites
- Additives and fillers for biobased materials and composites

- Innovative applications, for instance, in the furniture, construction, packaging, sporting goods, aircraft and automotive industries

For more information please contact:

Lucia Femerling
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E-mail: lucia.femerling@hanser.de
www.biobased-materials.com
see also page 123.

11. XVI International Biodeterioration and Biodegradation Symposium

3-5 September 2014, Lodz, Poland

Organisers:

- **Lodz University of Technology, Faculty of Biotechnology and Food Sciences, Institute of Fermentation Technology and Microbiology, Lodz**
- **University of Lodz, Faculty of Biology and Environmental Protection, Department of Industrial Microbiology and Biotechnology, Lodz**
- **Central Institute for Labour Protection-National Research Institute, Biohazard Laboratory, Department of Chemical, Aerosol and Biological Hazards, Warsaw**
- **Cracow University of Economics, Department of Microbiology, Cracow**

Main topics:

- Microbiologically influenced corrosion
- Biofilms and biofouling
- Biodeterioration and biodegradation of wood and wood products
- Biodeterioration and biodegradation of polymeric materials
- Biodeterioration of cultural heritage
- Microorganisms and the quality of life
- Biotransformation and biodegradation of hazardous compounds
- Biodegradation and bioremediation of persistent pollutants
- Biodiversity of organisms involved in biodeterioration, biodegradation and bioremediation
- Strategic views of economic, regulatory affairs, forensic studies and regional development in biodeterioration
- Protection against biodeterioration process
- Bioremediation in environmental protection

Contact:

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telephone: +48 725 894 716
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for more information please see also page 120.

12. International Scientific Event - The 15th Romanian Textiles and Leather Conference

4-6 September 2014 Poiana Brasov, Romania

Conference topics:

- New fibers and advanced materials

- Textile science and technology
- Textile structures and their properties
- Intelligent textiles
- Functional textiles and clothing
- IT applications
- Machinery developments
- Fashion design and product development
- Innovations in textile finishing
- Advances in leather processing
- Footwear design and technology
- Ecology in textiles and leather processing
- Marketing and management
- Engineering education

President of conference

Carmen LOGHIN, TUIASI, Romania

Contact:

Mariana Ursache, Organizing Committee "Gheorghe Asachi" Technical University of Iasi, ROMANIA
Faculty of Textiles-Leather and Industrial Management, 29 D. Mangeron Blvd., 700050, IASI, Romania
Tel/ Fax: 004.0232.230.491
Conference website: <http://www.cortep.tuiasi.ro>
Conference e-mail: cortep@tex.tuiasi.ro

13. Ambience14

Scientific Conference for Smart and Functional Textiles, Well-Being, Thermal Comfort in Clothing, Design, Thermal Manikins and Modelling

7-9 September 2014, Tampere Hall, Tampere, Finland

Conference Chair - Heikki Mattila

Main topics:

- Clothing physiology
- Thermal manikins and modelling
- Wearing comfort and well-being
- Design challenges
- 3D and digital product development
- Ecological and environmental concerns
- Conscious consumption
- Global fashion value chains
- Smart and functional textiles

Organising Committee:

- Heikki Mattila, Chair, Tampere University of Technology, Finland
- Rick Burke, Measurement Technology NW, U.S.A.
- Agneta Nordlund-Andersson, University of Borås, Sweden
- Harriet Meinander, Tampere University of Technology, Finland
- Helena Mäkinen, FIOH, Finland
- Håkan Nilsson, WSP Environmental, Sweden
- Riitta Salonen, Tampere University of Technology, Finland
- Maritta Suoniemi, Tampere University of Technology, Finland
- Päivi Talvenmaa, Tampere University of Technology, Finland
- Minna Varheenmaa, Secretary, Tampere University of Technology, Finland
- Leena Sulonen, Tampere Conference Service, Finland

Contact details (registration, accommodation, payment etc.):

Ambience14 & 10i3m Conference
Secretariat Tampere Conference Service
Tampere, Finland
E-mail: office@tampereconference.fi
Tel. +358 3 366 4400 (phone hours 9-16
GMT +2:00)
www.ambience14.fi

**14. E-MRS 2014 FALL MEETING
Symposium M - 'Functional Textiles
– from Research and Development to
Innovations and Industrial Uptake'**

**15-19 September 2014 Warsaw
University of Technology, Poland**

The symposium will be organized in conjunction with the Coordination Action 2BFUNTEX and supported by members of the COST Action MP1105 FLARETEX and COST Action MP1206 "Electrospun Nanofibres for bio inspired composite materials and innovative industrial applications"

**Hot topics to be covered by
the symposium:**

- Functional fibres,
- Health & medical textiles,
- Textile composites,
- Nanotextiles,
- Protective textiles,
- Flame retardant textiles,
- Technical Textiles,
- Smart and interactive textiles,
- Textile membranes,
- Surface functionalisation and coating of textile based materials,
- Combination of novel materials (ceramics, metal, glass powders) into structural textile based materials,
- Industrial applications of functional textiles,
- Industrial needs in the field of functional textiles.

List of scientific committee members

- Prof. Rimvydas Milasius
- Prof. Paul Kiekens
- Prof. Francesco Branda
- Prof. Lieva Van Langenhove
- Prof. Viktoria Vlasenko
- Prof. Fatma Kalaoglu
- Prof. Huseyin Kadoglu
- Prof. Victoria Dutschk
- Prof. Antonela Curteza
- Prof. Daiva Mikucioniene
- Prof. Jozef Masajtis
- Prof. Ana Marija Grancaric
- Prof. Celeste Pereira
- Prof. Erich Kny
- Prof. Ali Harlin
- Prof. Krzysztof Pielichowski
- Prof. Thomas Graule
- Prof. Pertti Nousiainen

Symposium Organisers:

- Prof. **Rimvydas Milasius**, Ph.D., D.Sc., Department of Materials Engineering, Kaunas University of Technology
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 - Prof. **Paul Kiekens**, Ph.D., D.Sc., Department of Textiles, Ghent University
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 - Prof. **Francesco Branda**, Ph.D., D.Sc., Department of Materials and Production Engineering, University "Federico II Napoli"
E-mail: branda@unina.it
- For more information see also page 122.

**15. 8th ECNP International Conference
on Nanostructured Polymers and
Nanocomposites**

**16-19 September, 2014, Dresden,
Germany**

Topics:

- Progress in polymer synthesis
- Smart polymers and gels for optoelectronics, sensing, and biomedicine
- Polymer materials from renewable resources
- Functional nanocomposites and coatings
- Advanced processing and characterisation techniques
- Modelling of processes and properties

Chairpersons:

Brigitte Voit (IPF Dresden, Germany)
José M. Kenny (CSIC Madrid, Spain)

Local organisers and contact Address:

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www.ecnp-eu.org

**16. 18th International Papermaking
Conference & Exhibition
'PROGRESS14' INNOVATIONS &
COMPETITIVENESS**

**23-25 September 2014 r., Hotel Andel's,
Łódź, Poland**

Topics:

- Main factors which create the development of the world's papermaking industry: globalization, protection of the environment, informative technologies, the increasing use of waste-paper
- Actual state of art and tendencies of technologies development for manufacturing the fibrous pulp, paper and board
- Raw materials and auxiliary products for the production of fibrous pulp and paper – wood and non-wood raw materials, waste-paper, fillers, pigments, paper sizes and other products
- Machines, devices and equipment
- New technologies and equipment for the manufacturing of packaging from corrugated board
- Quality of paper and paper products
- Energy problems.

Exhibition and poster session

Simultaneously with the two-day conference activity a poster session presenting research works will be held, as well as a technical exhibition of the manufacturers and suppliers, who will present machines, equipment, control and measuring devices, informative systems, as well as raw materials and auxiliary agents.

International programme committee:

Małgorzata Michniewicz, Ph.D. Eng. (IBWCH) – chairperson
Katarzyna Godlewska Ph.D. Eng. (SPP) – secretary

Konrad Olejnik Ph.D. Eng. (IPiPL)
Prof. Jean-Francois Bloch (Grenoble INP-Pagora)
Hannes Vomhoff Ph. D. (INNVENTIA AB)
Prof. Miloslav Milichovsky (TU Pardubice)
Prof. Samuel Schabel (TU Darmstadt)

Organising committee:

Andrzej Głębowski – chairperson
Zbigniew Fornalski – organising secretary
Katarzyna Godlewska
Michał Jastrzębski
Rafał Kadyrow
Małgorzata Michniewicz
Jolanta Tybuś
Agnieszka Werner

For more information please contact:

Association of Polish Papermakers
Plac Komuny Paryskiej 5a, skr. poczt. 200,
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**17. XX Conference on "New Aspects of the
Chemistry and Applications of Chitin and
its Derivatives"**

24-26 September, 2014, Łódź, Poland

The aim of the conference is to present the results of recent research, development and applications of chitin and chitosan. It is also the intention of the organisers to give the conference participants working in different fields an opportunity to meet and exchange their experiences in a relaxing environment.

The following sessions are provided:

- Polymer session,
- Medical session,
- Biotechnological session
- Agricultural session and
- Posters session.

Organisers:

- Polish Chitin Society
- Institute of Biopolymers and Chemical Fibres
- President of the Polish Chitin Society - Małgorzata M. Jaworska Ph.D., D.Sc., Eng.

For more information please contact:

Conference secretary
M. Skłodowskiej-Curie 19/27, 90-570
Łódź, Poland
tel. (+48) 42 638 03 339, fax (+ 48) 42
637 62 14,
e-mail: ptchit@ibwch.lodz.pl;
www.ptchit.lodz.p

Conference venue:

IBIS Łódź Hotel, Al. Pilsudskiego 11,
<http://www.ibis.com/pl/hotel-3096-ibis-lodz-centrum/index.shtml>
See also page 107.

**18. 30th SEMINAR OF THE POLISH CHEMISTS
COLOURISTS "Achievements and
Perspectives in Textile Finishing"**

**24-26 September 2014, Zakopane,
Poland**

Organiser:

Association of Polish Chemist Colourists

Contact:

e-mail: kolorysci@kolorysci.org.pl
www.kolorysci.org.pl

19. 8th AACHEN-DRESDEN INTERNATIONAL TEXTILE CONFERENCE

27-28 November, 2014 in Dresden

Organizers:

- Institute for Textile Machinery and Textile High Performance Material's Technique at the Technical University Dresden and
- Interactive Materials Research - DWI at the Aachen University (RWTH)

Topics:

- Composites
- Protective textiles
- Textile construction with membranes and textile-reinforced concrete
- Chemistry for composites, protective textiles, and textile construction
- Transfer session „From idea to practice“

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For more information see also page 124.

20. 7th International Textile, Clothing & Design Conference

5-8 October, 2014, Dubrovnik, Croatia

Organiser:

University of Zagreb, Faculty of Textile Technology

President:

Ivo SOLJAČIĆ, University of Zagreb, Zagreb, Croatia

Topics:

- Textile fibres and advanced materials
- Manufacture of yarns, fabrics and nonwovens
- Textile finishing, dyeing and care
- Clothing technologies and engineering
- Analysis, testing and quality control
- Design and marketing of textile and clothing
- Environmental protection, ecology and energy management

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21. 6th International Istanbul Conference on FUTURE TECHNICAL TEXTILE (FTT 2014)

15-17 October 2014, Istanbul, Turkey

Topics:

- Medical textile
- Technical textile
- Smart and interactive textiles
- Surface coatings
- Advances in apparel design
- Ecological textiles
- Composite material
- Protective clothing

- Electronic textiles
- Biologically inspired textiles
- Computer technology for textile and apparel

- Prof. Mehmet Akalin: (Chairman) Marmara University, Turkey
- Prof. Subhash Anand (MBE): (Co-Chairman) University of Bolton, UK

Organising Committee:

- Dr. Imran Patel: University of Bolton, UK (Chair of Organising Committee)
- Dr. Ismail Usta: Marmara University, Istanbul, Turkey
- Dr. Muhammet Uzun: Marmara University, Istanbul, Turkey
- Dr. Erhan Sancak: Marmara University, Istanbul, Turkey

Contact:

Dr. Imran Patel, Chair of Organising Committee
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Email: info@technical-textile.com

22. 2nd Fair for Technical and Specialised Textile Products and International Conference - InnovaTex 2014

16-17 October 2014, Łódź,

Organiser:

Lodz International Fair Ltd.

The scope of the Fair:

- Fibres and yarns
- Woven and knitted fabrics
- Nonwovens
- Technologies, machines, equipment and production accessories
- Threads
- Haberdashery
- Textile chemistry

For more information please contact:

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23. Conference Devoted for the Promotion of Projects Realised over the past year

13-14 November 2014, Łódź, Poland

Co-organisers: Department of Material and Commodity Sciences and Textile Metrology Faculty of Material Technologies and Textile Design, Lodz University of Technology

The Following Projects will be the subjects discussed on the Conference

Project: Utilisation of Biomass for Manufacturing Environmentally Friendly Polymer Materials

Acronym: BIOMASA

Beneficiary of the Project: Lodz University of Technology, Faculty of Biotechnology and Food science, Institute of Technical Biochemistry

Leader of the Project: prof. Andrzej Okruszek Ph.D., D.Sc.

The Project is realised within the Frame of the Operational Program: Innovative economy 2007-2013.

Prioritet Axes 1

Research and Development Modern Technologies,

Action 1.1

Support of Scientific Investigations for Creation an Economy Based on Science,

Subaction 1.1.2

Strategy program of Scientific Investigations and Development Works.

Project: Biodegradable Textile Products
Acronym: BIOGRATEX

Beneficiary: Department of Material and Commodity Sciences and Textile Metrology Faculty of Material Technologies and Textile Design, Lodz University of Technology

Leader of the Project: prof. Izabella Krucińska Ph.D., D.Sc.

Project: Technology of Obtaining Biodegradable Polyesters with the Use of Removable Raw Materials
Acronym: BIOPOL

Beneficiary: Center of Molecular and Macromolecular Research, Polish Academy of Sciences, Łódź

Leader of the Project: prof. Stanisław Słomkowski, Ph.D., D.Sc.

For more information please contact
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24. Seminars organized in 2014 at the Institute of Biopolymers and Chemicals Fibres, Łódź, Poland

13 February 2014
Presentation of the Bio-Nano Park in Lodz
K. Makowski

20 March 2014
Nonwovens with thermal energy storage properties based on polypropylene modified by not encapsulated paraffin
W. Tomaszewski

17 April 2014
Composite materials with poultry feather content designated for elimination petrol-originated contaminations
K. Wrześniewska-Tosik

Laboratory test performed with the aim of development a manufacturing technology for papers with special designation containing a content of poultry feathers and down of geese and ducks
M. Marcinkowska

Possibilities of utilisation biomass waste from the cellulose-paper industry
M. Janiga

Bio-refining of black liquor

E. Kopania, J. Wietecha

15 May 2014

Structurization of nanofibrous materials using a method based on creation the shape of the electrostatic field during electrospinning

W. Tomaszewski

Preliminary investigations obtaining thermoplastic chitosan

M. Wiśniewska-Wrona

Investigations in the biodegradability of materials, products and wastes related to the biomass in a selected test environment development of an investigation method and its standardisation criteria as well as determination of criteria and their usability for biodegradation

A. Gutowska, K. Szadowiak

12 June 2014

Obtaining copolyester composites containing segments of an aliphatic-aromatic copolyester and segments of PLA, and their characteristic

M. Szkopiecka

Investigation in elaboration optimal conditions for the process of synthesis of an aliphatic-aromatic copolyester

K. Plachta

18 September 2014

Advanced cellulose materials

K. Brzoza-Malczewska

16 October 2014

Evaluation of the life cycle (LCA) – a modern investigation method giving the possibility of determining a lot of aspects of the product life cycle, including the impact on the environment

M. Michniewicz

23 October 2014

Estimation of nano-functionalised gynecological tampons

K. Gzyra-Jagiela

20 November 2014

Cellulose Films – Manufacturing Methods and Properties

D. Wawro

18 December 2014

Investigation of the influence of manufacturing and modification conditions of nonwovens obtained directly from aliphatic copolyesters on the nonwovens' Physico-Chemical Properties and their susceptibility to Biodegradation in a Natural Environment.

M. Izdorczyk

25. Seminars organized in 2014 at the MORATEX Institute of Security Technologies, Łódź, Poland

22 January 2014

Taking advantage of seeing dysfunction in designing camouflage patterns

J. Bikiewicz

19 February 2014

A new design for a training duty dress for company police staff

G. Redlich, E. Obersztyn

Modelling solutions for fire-brigade helmets

M. Fejdyś, K. Olszewska

19 March 2014

Commercialisation of investigation results of research and development works of the Vth theme "Camouflage barrier materials in the range of VIS, IR and micro-wave radiation"

G. Redlich, E. Obersztyn

Determination of the resistance to damage of flexing coated textile products

T. Nowak, B. Wilbik-Hałgas, W. Urbaniak, M. Cichecka, A. Muras, M. Miklas

Estimation of textile products design for clothing considering their shape stability over conservation processes

W. Urbaniak, B. Wilbik-Hałgas, T. Nowak, M. Cichecka, A. Muras, M. Miklas

16 April 2014

Effect of accelerated aging on ballistic and non-ballistic materials used for designing external ballistic vests

A. Kucharska-Jarząbek, M. Fejdyś, K. Kośla

Systems of standardisation, certification & eco-labeling and their impact on the purchasing behavior of consumers on the textile and clothing market

M. Ociepa

Certification systems of the European Union and their importance for Polish companies of the textile and clothing industry

P. Mastalerz

14 May 2014

Developmental project: Smart passive body armour with application of rheological and magnetorheological fluids – summary and conclusions

K. Olszewska, D. Zielińska

Photoelectronical neutralization of selected components of galvanization baths

L. Osiewala-Just

11 Juni 2014

Properties of ballistic ceramic composite armor systems developed within the frame of the project "Development of modern, flame retardant bullet-proof vest with fibrous polyethylene

composites using a 3D hardboard" in order to protected against modern projectiles

K. Kośla, M. Fejdyś,

A. Kucharska-Jarząbek, M. Landwijt, W. Haba

Specification of test objects – projectile types and training dresses. Risk analysis of injuries caused by the impact of law energy projectiles

M. Landwijt, J. Dzierżawska

17 September 2014

Development of a manufacturing technology for filters absorbing infrared radiation in the visitors of helmets for firefighters

M. Fejdyś, K. Olszewska,

A. Kucharska-Jarząbek, K. Kośla

A modern, flame resistant and ergonomic ballistic vest for internal wear

J. Dzierżawska, M. Landwijt, M. Fejdyś

15 October 2014

Development of composite ballistic barriers for protecting observation and shooting stands on armored navy ships

L. Madej-Kielbik, W. Błaszczuk,

L. Osiewala-Just

Summary of the results of the development Project O ROB 0014 01 „Modern personal protection means for the rescue services KSRG, concerning the requirements of the end - users

E. Maklewska

19 November 2014

Phenomena occurring in the boundary areas of ballistic inserts tested in accordance with the standard project EN 16448-2 "Protecting clothing – body protection, Part 2 shoot resistance, requirements and tests

G. Grabowska

The impact of low-energy projectiles on ballistic underlayers – visualization of the phenomena

M. Landwijt, J. Dzierżawska

10 December 2014

Methodology of implementing anthropometric investigations of MSW (Ministry of Internal Affairs) officers

B. Kosińska, K. Czerwiński

Projekt D-BOX „Demining tool-BOX for humanitarian clearing of large scale area from antipersonal landmines and cluster munitions”

M. Struszczyk

