

ADDRESSES OF ORGANISERS:

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TECHNICAL UNIVERSITY OF LODZ
Faculty of Material Technologies and Textile
Design
Department of Clothing Technology and Textronics
90-924 Lodz, Zeromskiego 116

CONFERENCE LOCATION

CENTER FOR ECOLOGICAL EDUCATION
OF "LASY PANSTWOWE"
26-630 Jedlnia Letnisko, ul. Pluzanskiego 30
tel./fax: 48 322-10-11, 48 322-16-00
www.radom.lasy.gov.pl/jedlnia

GENERAL INFORMATION FOR PARTICIPANTS

Predicted time for oral presentations is 20 minutes, including the discussion after each presentation. Poster presentations will be held in two parts corresponding to the each day's session contents, i.e., Thursday's and Friday's poster session. Posters should be prepared in format: 70x100 cm, in vertical arrangement.
Attention: The presentations prepared in the Power Point format should be sent to the e-mail address:
i.stanik@pr.radom.pl

SCIENTIFIC COMMITTEE

Chairwomen :

Maria Pawłowa, Kazimierz Pulaski Technical University of Radom, Poland

Iwona Frydrych, Technical University of Lodz, Poland

Members:

Mohamed Bakar, Kazimierz Pulaski Technical University of Radom, Poland

Mykola Bereznenko, Kiev National University of Technologies and Design, Ukraine

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Krzysztof Gniołek, Technical University of Lodz, Poland

Zdeněk Kůs, Technical University of Liberec, Czech Republic

Ryszard Korycki, Technical University of Lodz, Poland

Sybille Krzywinki, Technical University of Dresden, Germany

Jiří Militký, Technical University of Liberec, Czech Republic

Jeffrey Silberman, Jay & Patty Baker School of Business and Technology, Fashion Institute of Technology, USA

Sigitas Stanyš, Kaunas University of Technology, Lithuania

Darko Ujević, University of Zagreb, Croatia

Włodzimierz Więżlak, Technical University of Lodz, Poland

Andrzej Włochowicz, University of Bielsko-Biala, Poland

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**Kazimierz Pulaski Technical University of Radom
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**Technical University of Lodz
Department of Clothing Technology and Textronics
Institute for Sustainable Technologies of Radom**



9th Joint International Conference

CLOTECH'2010

**INNOVATIVE
MATERIALS
& TECHNOLOGIES
IN MADE-UP TEXTILE
ARTICLES AND
FOOTWEAR**

The Honourable Patronage

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Mayor City of Radom Andrzej Kosztowniak

**May, 27th – 28th 2010
Radom**



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siła w precyzji



3rd Announcement
PROGRAMME OF THE CONFERENCE
CLOTECH'2010

Thursday, May 27, 2010

8.00 - 9.00 Registration

9.00 - 9.20 Opening the Conference: I. Frydrych,
M.Pawłowa

SESSION: COMFORT AND HEALTH

Chairperson: Tahan A.

9.20 Modeling of temperature field in seams connected
by heat bonding machine

Korycki R., Technical University of Lodz (Poland)

9.40 Intelligent textiles for modern sports apparel

Havelka A., Kús Z., Technical University of Liberec (Czech
Republic)

10.00 Physiological comfort of garment made of natural
fibres

Frydrych I., Wawrzos A., Odyjewska A., Technical University of
Lodz, CIOP-PIB Lodz (Poland)

10.20 Innovative fabrics for antidust work clothes
ensuring physiological comfort

Sikorski K., Rymarz T., Matusiak M., Textile Research Institute,
Lodz (Poland)

10.40 Influence of enzymatic treatment on moisture
management in clothing woven fabrics

Krucińska I., Komisarzyk A., Kostanek K., Kubsz I.,
Strzembosz W., Technical University of Lodz (Poland)

11.00 Oxidation by hydrogen peroxide as method for
investigation of leather ageing resistance for culture
heritage objects recovering

Plavan V., Kiev National University Technologies & Design (Ukraine)

11.20 - 11.40 Coffee break

Chairperson: Korycki R.

11.40 Is it possible to prevent pregnancy related pain with
special footwear

Gajewski R., Hlavacek P., Institute of the Leather Industry,

Krakow (Poland), Tomas Bata University in Zlin (Czech Republic)

12.00 Innovative elastic textiles for orthopedic products

Wilk E., Textile Research Institute, Lodz (Poland)

12.20 Modelling the heat transfer between a Man working In
the barrier protective clothing and the environment

Bartkowiak G., Frydrych I., Pabich A., Kowalski K., CIOP-PIB Lodz
(Poland), Technical University of Lodz (Poland)

12.40 Modeling of heat transfer within multilayer textile
products with membranes

Sybilka W., Korycki R., Textile Research Institute, Lodz, Technical
University of Lodz (Poland)

13.00 Thermal insulation and wet thermal contact comfort of
bed sheets

Hes L., Geraldés M.J., Technical University of Liberec (Czech Republic)
University of Beira Interior (Portugal)

13.20 - 14.20 Lunch

**SESSION: FOOTWEAR AND CLOTHING
TECHNOLOGY**

Chairperson: Silberman J

14.20 Apparel Marking Multiattribute Decision Making With
Multiple Size Pattern for Optimal Fabric Utilization

Tahan A., Mansoura University Dpt. (Egypt)

14.40 Hand prediction using ordinal logistic regression

Bajzik V., Technical University of Liberec (Czech Republic)

15.00 Polish cochineal *Porophyropora polonica* L. – the more
important polish dyestuff

Szmit – Przewoźna K., Przewoźny W., Institute of Natural Fibres &
Medicinal Plants, National Museum (Poland)

15.20 Smart coating technologies for the surface
functionalisation of technical textiles with conductive
effects (solar application, electroluminescence aso.)

Glawe A., Graf zu Eulenburg M., Coatema Coating Machinery GmbH
(Germany)

15.40 Natural dyestuf supported by nanotechnology in finishing
process of linen fabrics

Zimmiewska M., Batog J., Schmidt-Przewoźna K., Bogacz E.
Institute of Natural Fibres & Medicinal Plants (Poland)

16.00 - 16.30 Coffee break

16.30 - 17.30 Poster session and fashion show

18.00 BANQUET

Friday, May 28, 2010

SESSION: PROPERTIES OF TEXTILES AND LEATHER

Chairperson: I. Frydrych

9.00 Cake Denim: A Venture into Experiential Teaching

Silberman J., Textile Development and Marketing Department (USA)

9.20 Complex quality evaluation of textile fabrics

Militký J., Technical University of Liberec (Czech Republic)

9.40 Investigation of woven fabrics for anticellulite clothing

Matusiak M., Sikorski K., Textile Research Institute, Lodz (Poland)

10.00 The friction coefficient as an assessment criterion of the
surface properties of textiles designed for hospital bed-linen
general application

Witkowska B., Krawczyńska I., Textile Research Institute, Lodz (Poland)

10.20 Basic properties of the flat textiles in the clothing construction
with negative allowance

Owczarek M., Poliński Z., Technical University of Lodz (Poland)

10.40 - 11.00 Coffee break

SESSION: MEASUREMENT TECHNIQUES

Chairperson: Krucińska I

11.00 New Technology for Production of Fusible Nonwoven
Interlinings

Jekic J., Freudenberg Vliesstoffe KG (Germany)

11.20 Modeling of coupled heat and mass transfer within multilayer
protective clothing

Korycki R., Technical University of Lodz (Poland)

11.40 The analyze of newest aspects of garment pattern
digitalization

Bogusławska-Bączek M., University of Bielsko-Biala (Poland)

12.00 The analysis of clothing microclimate in dynamic conditions
in the context of research specialized underwear

Jasińska I., Textile Research Institute, Lodz (Poland)

12.20 Design and Experimental Research of Textile Sensor for
Selected Physiological Human Parameters

Krupa J., Musiał A., Zięba J., Frydrysiak M. Technical University of Lodz
(Poland)

12.40 Closing the Conference: I. Frydrych, M. Pawłowa

13.00 Lunch