



Rajamangala University of Technology
Phra Nakhon



Technical University of Liberec

The 4th RMUTP International Conference

Textiles & Fashion

JULY 3rd - 4th 2012

Pullman Bangkok King Power, Thailand



PROGRAM OF THE CONFERENCE

July 3rd, 2012- Tuesday

Time	Schedule
08:00 – 09:00	Registration
08:00 – 09:00	Poster Decoration
10:00 – 10:45	Opening Ceremony (By Her Royal Highness Princess Soamsawali) Infinity 1-2 Room
10:45 – 11:00	Coffee break
11:00 – 12:00	Keynote Presentation: Future Trends in Textile Branch Prof. Ing. Jiří Militký, CSc. Technical University of Liberec, Czech Republic
12:00 – 13:00	Lunch
13:00 – 14:00	Keynote Presentation: Trend Forecasting Prof. Veronica Bogao, Polimoda Ent Art, Florence, Italy
14:00 – 14:30	Coffee break
14:30 – 15:30	Keynote Presentation: Trends in Technical Textiles Prof. Ing. Sayed Ibrahim, CSc. Technical University of Liberec, Czech Republic
15:30 – 17:00	Poster Session
18:00 – 21:00	Textile & Fashion Party (Infinity 1-2 Room)

July 4th, 2012- Wednesday

Time	Schedule		
	SECTION: I Beta Room	SECTION: II Delta Room	SECTION: III Epsilon Room
08:00 – 08:30	Registration	Registration	Registration
08:30 – 10:10	Presentations	Presentations	Presentations
10:10 - 10:30	Coffee break	Coffee break	Coffee break
10:30 – 12.10	Presentations	Presentations	Presentations
12:10 – 13.10	Lunch	Lunch	Lunch
13:10 – 15.10	Presentations	Presentations	Presentations
15:10 – 15.30	Coffee break	Coffee break	Coffee break
15:30 – 17.10	Presentations	Presentations	Presentations

July 4th, 2012- Wednesday

**SECTION I
TEXTILE TECHNOLOGY & INNOVATION
(Beta Room)**

PRESENTATION (Oral)

Chairman: Dr. Sarunya Kasembuyakorn

08:30 - 08:50	Acoustic Dynamic Modulus of Staple Yarns Jiří Militký, Dana Křemenáková
08:50 - 09:10	The Use of Monte Carlo Techniques to Study the Effect of Cotton Fiber Properties on Yarn Hairiness Josphat Igadwa Mwasiagi, Alice Waithaka, Jerry Rawling Ochola, Lydia Nkatha Kinuthia
09:10 - 09:30	Characterization of Yarn Diameter Measured on Different Sayed Ibrahim, Jiří Militký, Dana Křemenáková, Rajesh Mishra
09:30 - 09:50	Functional Characterization of Fiber Reinforced Nanocomposites Rajesh Mishra, Jiří Militký, Richa Tiwari, B.K. Behera
09:50 - 10:10	New 3D Textile Composite Protection against Armour Piercing Ammunitions François Boussu, Jonathan Pariente, Frédéric Veyet
10:10 - 10:30	Coffee break
10:30 - 10:50	Teleintimation Garment: A wearable Electronic Garment for Soldier's Status Monitoring Applications L. Ashok Kumar
10:50 - 11:10	Numeric Modelling of the Weaving Process for Textile Composite François Boussu, Jérôme Vilfayeau, David Crepin, Philippe Boisse
11:10 - 11:30	Effect of Needle Diameter on Diameter of Electrospun Silk Fibroin Nanofibers Nuray Kizildağ, Beceren Yeşim, Kazancı Murat, Cukul Dilek
11:30 - 11:50	Development and characterization of woven orthopedic casting tape Abha Bhargava, B K Behera, Preeti Rawat
11:50 - 12:10	Investigation of Basic Yarn Parameters Influencing Formability Behavior of Cotton Shirting Fabrics Ganesh S. Kakad, Avinash W. Kolhatkar
12:10 - 13:10	Lunch

July 4th, 2012- Wednesday

SECTION I
TEXTILE TECHNOLOGY & INNOVATION
(Beta Room)

PRESENTATION (Oral)

Chairman: Dr. Chanchai Sirikasemlert

13:10 - 13:30	New 3D Warp Interlock Composite for Armouring of Vehicles François Boussu, Benjamin Provost, Daniel Coutellier, Daniel Vallee, Fabien Rondot
13:30 - 13:50	Development of E-Health Monitoring Garment Munish Arora, Kamini Sharma
13:50 - 14:10	Investigation of Slendering on Coarse Wool Fiber and its characteristics Zahra, Motaghi, Safdar Eskandarnejad, Majid Montazer
14:10 - 14:30	Effect of Different Conductive Yarns on Heating Behaviour of Fabrics Fatma Kalaoglu, Senem Kursun Bahadir, Y. Erhan Boke, Hande Sezgin
14:30 - 14:50	Dynamic In-Situ Measurements of 3D Composite Material Mechanical Constraints During the Weaving Process François Boussu, Nicolas Triffigny, Vladan Koncar
14:50 - 15:10	The Effect of Fiber Diameters on the Mechanical Properties of Fiber Reinforced Composites Solmaz Banifazl, Masoud Latifi, Hajir Bahrami
15:10 - 15:30	Coffee break
15:30 - 15:50	Medtex Project – A Smart Textile Solution for the Prophylaxis of Pressure Ulcers Nuno José Ramos Belino, Geraldés M.J.O, Figueiredo M.N., Ferreira P.A.R.C, Pimenta N., Cardoso F., Matos J. L
15:50 - 16:10	The Effect to Electromagnetic Shielding of the Thickness of the Needle Punched Nonwoven Fabrics M.S. Özen, İ Usta, A Beyit, M. Uzun, E. Sancak, M. Yüksek
16:10 - 16:30	Study on Optimum Twist in Cotton Roving Based on Fibre Properties & Roving Hank Sachin Rawat, Pranay Ray

July 4th, 2012- Wednesday

SECTION II
TEXTILE CHEMISTRY & FINISHING
(Delta Room)

PRESENTATION (Oral)

Chairman: Assoc. Prof. Dr. Khemchai Hemachandra

08:30 - 08:50	Application of Plasma in Different Branches of Industries Sheila Shahidi, M.Ghoranneviss
08:50 - 09:10	Preparation of flexible fabric based electronic circuit Using inkjet printing co electroless plating technique Fateme Mohtaram, Fateme Haghdoost, Vahid Motaghtalab, Akbar Khodaparast Haghi
09:10 - 09:30	Development of Polyester-Wool Fabrics Dye Ability Using Plasma Sputtering Zahra, Motaghi, Sheila Shahidi
09:30 - 09:50	Electrical conductivity and chromic behavior of poly (3-methylthiophene) - coated polyester fabrics Javad Mokhtari, Mahdi Nouri, Maryam Jahan Biglari
09:50 - 10:10	Effect of Dispersing Agents on Synthesis and Application of Nano Titanium Oxide for Antimicrobial Property Neha Khurana, R. V. Adivarekar
10:10 - 10:30	Coffee break
10:30 - 10:50	Investigation on Antibacterial Activity of Cotton Silver Coated Fabric After Dyeing Sheila Shahidi
10:50 - 11:10	Development of Essential oil/ Dye Extraction Condensed by Refrigeration System for Using in Textile Industry Wirote Ritthong, Duongruitai Nicomrat
11:10 - 11:30	Polypropylene Nanocomposite Fibres with Improved Dyeability and Thermal Stability Ashok Sabale, Raghav Mehra, M.D.Teli
11:30 - 11:50	Effect of Alkali Treatment & Dyeing on Fibrillation Properties of Lyocell Fiber Aravin Prince Periyasamy, Bharathi Dhurai
11:50 - 12:10	Alternative Wet Pretreatments for Ramie Fabric and Their Evaluation Arun Kumar Patra, Amit Madhu
12:10 - 13:10	Lunch

July 4th, 2012- Wednesday

SECTION II
TEXTILE CHEMISTRY & FINISHING
(Delta Room)

PRESENTATION (Oral)

Chairman: Asst. Prof. Dr. Nattaya Punrattanasin

13:10 - 13:30	Trend in the Bio-Fibers Application Jiří Militký, Dana Křemenáková, Arun Aneja
13:30 - 13:50	Synthesis and Characterization of Shape Memory Polyurethane Grafted with a pH Indicator In-Hong Jung, Yong-Chan Chung, Jae Won Choi, Byoung Chul Chun
13:50 - 14:10	Application of Nano Technology in Textile Finishing Neha Parmar, Bharti Pahuja
14:10 - 14:30	Synthesis and evaluation of a novel insect-repellent MCT reactive dye on nylon 6 Javad Mokhtari, Ali Shams Nateri, Mohammad Amin Sarli
14:30 - 14:50	Elastic Electrospun Nanostructures Based on Polyurethane/MWNT Mahdi Nouri, S. Mojtaba Alizadeh Darbandi, Javad Mokhtari
14:50 - 15:10	Effect of Plasma Treatment on Denim Fabric Sandip K. Soni, Avinash W. Kolhatkar
15:10 - 15:30	Coffee break
15:30 - 15:50	Ionic Crosslinking of Polyurethane Copolymers by the Grafted Pendant Groups Kyung-Suk Kang, Young-Chan Chung, Duy Khiem Nguyen, Byoung Chul Chun
15:50 - 16:10	Some Studies on Temporary and Permanent Flame Retardants on 100 % Cotton Fabric Patil Vilas Mulchand, Anajali Deshmukh
16:10 - 16:30	Studies on Wicking Behaviour of Polyester Fabric Arobindo Chatterjee, Pratibha Singh
16:30 - 16:50	Technical Textile Yashashree Ambaadkar

July 4th, 2012- Wednesday

**SECTION III
ECOTEXTILE & FASHION DESIGN
(Epsilon Room)**

PRESENTATION (Oral)

Chairman: Asst. Prof. Dr. Anothai Cholchartpinvo

08:30 - 08:50	Commercial viability for colouration of nylon substrate with natural vegetable dyes Agrawal Bipin
08:50 - 09:10	How to Design a Retail Distribution Channel for Apparel Industry Selin Hanife Eryuruk
09:10 - 09:30	Colour Gamut of Holarrhena antidysentrica Linn Dyed Silk Anjali Sanjay Deshmukh
09:30 - 09:50	Sustainability of Green Fashion Surabhi Mahajan
09:50 - 10:10	Factors Affecting Branding with Special Reference to Clothing Industry Bulent Ozipek, Mehmet Tanyas, Nagme Mahmutoglu Ding
10:10 - 10:30	Coffee break
10:30 - 10:50	Comparison of True Color and E-color on Indigeneous Textile Sukanya Phongsuphap, Kannikar Kamolrat
10:50 - 11:10	Digital Technologies in Textile Art Havva Halaceli
11:10 - 11:30	Properties and application of Milk fiber in the nonwoven fabric Zhao Bo
11:30 - 11:50	Development of an Optimized Sizing System for Chinese Dress-form Zhaohui Wang, Lijuan Wu, Detao Hao
11:50 - 12:10	Properties and Product development and Application of Soybean Protein Fiber Zhao Bo
12:10 - 13:10	Lunch

July 4th, 2012- Wednesday

SECTION III
ECOTEXTILE & FASHION DESIGN
(Epsilon Room)

PRESENTATION (Oral)

Chairman: Miss. Nittaya Tubtimthai

13:10 - 13:30	Mysterious Design Esra Ok
13:30 - 13:50	Effect of Tannin Mordant on Dyeing Silk Fabric with Dye from Tropical Almond Leaves Sarunya Kasembuyakorn, Pornsuda Mouchai, Wallop Arirob
13:50 - 14:10	The Development of Home Textile Product from Hibiscus tiliaceus Fiber Sakorn Chonsakorn, Sutausanee Boonyophas, Kittiyaphan Pholam, Thepthida Arrak, Rattanaphol Mongkholrattanasit
14:10 - 14:30	Body and Handle Pattern Age 3-6 Children's basic Drawing in the New an Essay Topics Melike SOLMAZ
14:30 - 14:50	Value-Adding Strategies for Silk Garments by Redesigning and Patterning with Embroidery Muthita Chuntrikun, Padhanan Bussapakes, Atchara Sairat, Wanchanok apun, Benno Vollmann, Sid Terason
14:50 - 15:10	Studies on Kinetic and Thermodynamic Parameters of Natural Dye Extracted from <i>Punica granatum</i> on Protein Fibres Sankar Roy Maulik
15:10 - 15:30	Coffee break
15:30 - 15:50	Properties of Silk Fabric Dyed with Eucalyptus, Quercetin, Rutin and Tannin Using Padding Techniques Rattanaphol Mongkholrattanasit, Nattaya Punrattanasin
15:50 - 16:10	The Taste in Organic Cotton Bedding Products Among Thai Household Consumers Bunyanuch Siriwattanapornkul, Puntarika Hongpanich, Puttiporn Kittikot, Chayanee Thongyam, Prapaporn Khunprasert, Kiatisak Nithitheerakant, Sid Terason
16:10 - 16:30	The Factors of Lingerie Purchase Intention Influencing RMUTP Students Paphawarin Suwannarach, Sivakorn Thavornwan, Kriangkrai Siangwong, Phumsith Patcharaviphakkij, Wariya Chupinitsakulwong, Nawarat Prommi, Sid Terason

POSTER SESSION

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Effect of Reactive Dyeing and Cellulase Treatment on the Pilling Properties of Cotton Knitted Fabric Chi-Wai Kan, C.W.M. Yuen	2
A Study of Reactive Dyeing and Enzymatic Treatment on Some Properties of Cotton Knitted Fabric Chi-Wai Kan, C.W.M. Yuen	3
Setting-up an Occupational Safety and Health Management System in a Textile Testing Laboratory Chi-Wai Kan	4
Occupational Safety and Health Management System in Textile Industry – a Continual Improvement Approach Chi-Wai Kan	5
The Influential factors of impulse buying behavior on casual wear in Hong Kong Jimmy K.C. Lam, onia H.T. Chan	6
An Investigation of Electromagnetic Wave Absorption Potential of Woven Fabrics with Stainless Steel Wire Erhan Sancar, M.S. Özen, Usta, A Beyit, M. Uzun, E. İşgören	7
Surface Modification of Cotton and Polyester Fabrics Using Alginate and Copper (II) Sulphate Interactions: Characterisation of Thermal Comfort Properties M. Uzun, E. Sancak, I. Usta, O. Atak, M. Akalin	8
Apparel Product Evaluation and Quality Perception of Turkish Consumers Canan SARICAM, Fatma KALAOGLU, Yasin Sercan OZDUYGU, Hulya ORUN	9
An Investigation on the Tensile Properties of Soybean Blended Yarn Esra Serife Pampal, Özcan Özdemir	10
Investigation of Electromagnetic Shielding Properties of Boron and Carbon Fibre Woven Fabrics and Their Polymer Composites S.Ilker Mistik, Erhan Sancar, Dilara Kocar, Mehmet Akalin	11
Investigation of Mechanical Properties of Treated Ready Made Garment Waste Reinforced Polymer Composites Mahmut Kayar, S. Ilker Mistik	12
Investigation of Sound Absorbance Properties of Formic Acid Treated Luffa Fibres Dilara Kocar, Nigar Merdan, Erhan Sancak, S.Ilker Mistik, Ismail Usta, Mehmet Akalin	13
Dyeing of Polyester by Using Microwave Method in Glycercerine Media Nigar Merdan, Muge Yukseloglu, Dilara Kocar, S. Ilker Mistik	14
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