**International Textile & Apparel Sustainability Conference, 16-21 July 2012**

**Faculty of Engineering**

**University of Mauritius**

Monday 16 July 2012

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| **Venue: Paul Octave Wiehe Auditorium** |
| **13 15 – 13 20** | Welcome address by **Assoc Prof S Rosunee**, *University of Mauritius* |
| **13 20 – 13 25** | Address by **Prof T Ramjeawon**, *Dean, Faculty of Engineering, University of Mauritius* |
| **13 25 – 13 30** | Address by **Prof HCS Rughooputh**, *Vice-Chancellor, University of Mauritius* |
| **13 30 – 13 40** | Address by **Prof S Jugessur**, ***GOSK****, Pro-Chancellor, University of Mauritius* |
| **13 40 – 13 45** | Address by **Dr the** **Hon Rajeshwar Jeetah**, *Minister of Tertiary Education, Science, Research & Technology, Republic of Mauritius* |
| **13 45 – 14 15** | Keynote address by **Mr. Beas Cheekhooree**, *General Manager, FM Denim* |
| **14 15 – 14 45** | Keynote address by **Prof Lubos Hes**, *Faculty of Textile Engineering, University of Liberec, Czech Republic* |
| **14 45 – 15 15** | Tea Break |
| **15 15 – 15 45** | Keynote address by **Mr. Kendall Tang**, *Director, RT Knits* |
| **15 45 – 16 15** | Keynote address by **Dr Ameersing Luximon**, *Institute of Textiles and Clothing, The Hong Kong Polytechnic University* |

Tuesday 17 July 2012

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| **Venue: Lecture Theatre 1, New Academic Complex, Parallel Sessions** |
| **Session Chair: *Dr A Luximon*** |
| **09 15 – 09 35** | Flexible Conducting Nanostructures – *Prof M Jassal S Ghosh & A K Agrawal, Indian Institute of Technology, New Delhi* |
| **09 35 – 09 55** | Relaxation of Knitted Fabric by Micro Agitation - *T Y Lo, The Hong Kong Polytechnic University* |
| **09 55 – 10 15** | Stainless Steel Yarn for Value Addition & Functional Enhancement - *H Mankodi & D Vasavada & U Thakor, The M.S. University of Baroda, India* |
| **10 15 – 10 35** | Tea/Coffee Break |
| **10 35 – 10 55** | Shirt Recommender System Based on Emotional Semantics – *Jiyun Li & Wei Li & Qingwei Ji, Donghua University, China* |
| **10 55 – 11 15** | Hydrophilisation of Polyester: A Comparative Study using Life Cycle Assessment - *N Behary V Pasquet & A Perwuelz, ENSAIT, France* |
| **11 15 – 11 35** | Developing Uniform Fabrics for Defense Personnel using Speciality Finishes - *P Goyal & R Tandale, College of Home Science, India* |
| **11 35 – 11 55** | Solar Powered Textiles: An Overview On Initiatives Taken - Vishu Arora, *NIFT, India* |
| **11 55 – 12 15** | Application of Solar Energy Systems in The Mauritian Textile Industry - *J Chummun & A Khoodaruth, University of Mauritius* |
| **12 15 – 13 15** | Lunch |
| **Session Chair: *Dr N Behary*** |
| **13 15 – 13 35** | Creating Opportunities for Students with Disabilities - Technical Training to Hearing Impaired – An Initiative to Work with Deaf Sewing Operators in India - *Mahboob Anwer, Pearl Academy of Fashion, India* |
| **13 35 – 13 55** | Process Optimization For Fluorochemical Repellency Finish -*Senthilkumar V. & A Latika, NIFT, India* |
| **13 55 – 14 15** | Improving Textile Sustainability through Accurate Dye Recipe Prediction Using the Mrango-Owens Modification of the Single Constant Kubelka-Munk Equation - *M H Mrango & H Owens, University of Dar es Salaam, Tanzania*  |
| **14 15 – 14 35** | Tea/Coffee Break |
| **14 35 – 14 55** | Optimisation of extraction Methods & Dyeing Application Process of Juglan Regia: Approach for Sustainable Craft Practices in Garhwal Himalayas - *N L Sharda & D Rastogi , NIFT, India* |
| **14 55 – 15 15** | Adsorption of Reactive Red 158 from Aqueous Solutions using Terracotta - A Mudhoo & V Toofany, University of Mauritius |
| **15 15 – 15 35** | To Study The Handle And Comfort Characteristics Of High Performance Fabrics And Garments For Defence Personnel - *KN Chatterjee & T Grover & R Gangopadhyay , The Technological Institute of Textile & Sciences, India* |

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| **Venue: Lecture Theatre 2, New Academic Complex, Parallel Sessions** |
| **Session Chair: *Prof M Jassal*** |
| **09 15 – 09 35** | High Heels: A Trend Prediction - *W W Wong & A Luximon, The Hong Kong Polytechnic University* |
| **09 35 – 09 55** | Exploring The Semiotics of Indian Embroideries: Tales Told and Untold - *J Raghunathan, Pearl Academy of Fashion, India* |
| **09 55 – 10 15** | Zero waste Fashion : Perspectives and Opportunities – *R Aggarwal, NIFT, India* |
| **10 15 – 10 35** | Tea/Coffee Break |
| **10 35 – 10 55** | Research on Inevitable Presentation of Accidental Images In Hand-Painting Silk - *Haisuo Qiu, China Academy of Art* |
| **10 55 – 11 15** | Communicating Heritage Through Participatory And Experiential Design - *N Gupta & V Gupta, NIFT, India* |
| **11 15 – 11 35** | Emergence of Mauritian Design based on Local Native plants – *G Rampersad, Fashion Design Institute, Mauritius* |
| **11 35 – 11 55** | A Survey On The Potential Benefits Of Recycling Cotton Fibres Reclaimed From Denim Trousers Of Mauritian Wearers – *R Unmar & D Puttur, University of Mauritius* |
| **11 55 – 12 15** | Contribution of Some Emerging Sectors to promote Sustainable Economic Development in Small Island Developing States (SIDS) in a Welfare State -The Mauritian Case Study- *R P GUNPUTH, University of Mauritius* |
| **12 15 – 13 15** | Lunch |
| **Session Chair: *Prof L Hes*** |
| **13 15 – 13 35** | “Love myself, love sustainability”“Does an improved sense of self-love create an increased sustainable textile market, while this increase simultaneously reciprocates the improvement of self love? - *C M Pauly-Kurz, Open University, Milton Keynes UK* |
| **13 35 – 13 55** | Anatomy Of Low-Technology SME Cluster For Mapping Competitiveness - *R Malhotra, , NIFT, India* |
| **13 55 – 14 15** | Consumer Consumption Patterns, Recycling And Disposal Practices Of Textile Products In Kenya: The Implications On The Environment - R*. J. L. Cheluget, Tshwane University of Technology* |
| **14 15 – 14 35** | Tea/Coffee Break |
| **14 35 – 14 55** | A Survey Of The Traditions Of Post-Modernist Design: The Perspective Of Personal Interests – J *Wang & G Taylor & Jiang S X , The Hong Kong Polytechnic University* |
| **14 55 – 15 15** | Utilization Of Zen Culture In Fashion Design - *Wang Feiran, Qingdao University of Science & Technology, China* |
| **15 15 – 15 35** | Mauritian SMEs in the Fashion Business: Adaptability & Sustainability Challenges – *A Peer & S Rosunee, University of Mauritius* |

Wednesday 18 July 2012

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| **Venue: Lecture Theatre 1, New Academic Complex , Parallel Sessions** |
| **Session Chair: *Dr S Rosunee*** |
| **09 15 – 09 35** | Air Atmospheric Plasma Treatment Of Polyester Fabrics: Recent Studies - *N Behary & A Perwuelz & C Campagne, ENSAIT, France* |
| **09 35 – 09 55** | Development Of Solar Textiles For Harnessing Energy Using Photovoltaic Material - *Kirkire H. C & V D Gotmare & D V Raisinghani, Veermata Jijabai Technological Institute, India* |
| **09 55 – 10 15** | Studies On Performance Of Suture Using Natural Finish – *H R Mankodi & J H Trivedi, The M. S. University of Baroda,India* |
| **10 15 – 10 35** | Tea/Coffee Break |
| **10 35 – 10 55** | 3d Fabrics For Ballistic And Stab Protective Clothing - *R Mishra & J Militky & D Kremenakova & B K Behara, Technical University of Liberec, Czech Republic* |
| **10 55 – 11 15** | Handle Properties Of Virgin And Recycled Denim Fabrics - *C K Chan & H N Kwok & Y Y Chan & C Y Lam, The Hong Kong Polytechnic University* |
| **11 15 – 11 35** | Selected Innovations In The Technical Textiles Field *- Militký: J.& D Kremanokova, Technical University of Liberec, Czech Republic* |
| **11 35 – 11 55** | Sustainable Livelihood Through Natural Dyeing In Himalayan Region - *C Shekhar & T Mananty, NIFT, India* |
| **11 55 – 12 15** | A Comparative Study Of Biofunctionalization Of Polyester Fabrics Using Naturally Occurring Antibacterial Molecules- *N Behary & A Perwuelz & N E Chihib, ENSAIT, France* |
| **12 15 – 13 15** | Lunch |
| **Session Chair: *Prof Lubos Hes*** |
| **13 15 – 13 35** | Application Of Nanotechnology And Textiles & Apparel Sustainability - *D P Chattopadhyay, The M. S. University of Baroda, India* |
| **13 35 – 13 55** | Adaptive Clothing For The Rheumatoid Arthritis Patients – *R Chandra & N Anand, NIFT, India* |
| **13 55 – 14 15** | Novel Textile Biopolymers For Improving The Sustainability Of Ecosystem - *S P Valia & M D Teli, Institute of Chemical Technology, India* |
| **14 15 – 14 35** | Tea/Coffee Break |
| **14 35 – 14 55** | Influence Of Pre-Treatments On Dyeing Behaviour Of Natural Dyes On Cotton - *S Patel & M Sharan & D P Chattopadhyay, The M. S. University of Baroda, India* |
| **14 55 – 15 15** | Waste Reduction in Weaving Preparation and Weaving Departments – *P Saulick & S Rosunee, University of Mauritius* |

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| **Venue: Lecture Theatre 2, New Academic Complex, Parallel Sessions** |
| **Session Chair: *Dr R Unmar*** |
| **09 15 – 09 35** | Fashion Design With Ecology Orientation - *Ding Wei, Dalian Polytechnic University, China* |
| **09 35 – 09 55** | Gotta Work Of Rajasthan - *G Bhalla & V Lunia, Jai Narayan Vyas University, India* |
| **09 55 – 10 15** | Men’s Perception Towards Women Wearing Fashion High Heels – Y F *Zhang Yifan & Ma Xiao & A Luximon, The Hong Kong Polytechnic University* |
| **10 15 – 10 35** | Tea/Coffee Break |
| **10 35 – 10 55** | C.A.F.D. : Computer Aided Fashion Design – *H Mankodi & D Chudasama, The M.S. University of Baroda, India* |
| **10 55 – 11 15** | The Rebirth of Totem- Research on Redesign Application of Primitive Ecological art in the Modern Life - *Fan WU, Shenzhen Polytechnic, China* |
| **11 15 – 11 35** | Restoring The Essence Of Heritage- Chikankari *- J Kalra, Pearl Academy of Fashion, India* |
| **11 35 – 11 55** | Designing Contemporary Wear From Traditional Textiles – The Way Towards Restoration - *M Sharan & S Tomar, The M.S. University of Baroda*  |
| **11 55 – 12 15** | Sustainable “Smart” Maternity Wear With Longer Serviceable Life - *N Anand, NIFT, India* |
| **12 15 – 13 15** | Lunch |
| **Session Chair: *Mr A Mudhoo*** |
| **13 15 – 13 35** | A Preliminary Research On Improvement Of 3d Foot Shape Modeling - *MA Xiao & Y F Zhang & A Luximon, The Hong Kong Polytechnic University* |
| **13 35 – 13 55** | A Case Study Of Knowledge Agent In An Apparel Firm To Sustain Its Autopoietic Property For Organisational Learning - *Y Yu Chan & C K Chan & W H Ip, The Hong Kong Polytechnic University* |
| **13 55 – 14 15** | Faceforms: A 3d Design Tool For Chinese - *Y Luximon & R M Ball*, *The Hong Kong Polytechnic University* |
| **14 15 – 14 35** | Tea/Coffee Break |
| **14 35 – 14 55** | Creating Fashion Accessories By Re-Use And Recycling Of Textiles - *M Sharan & R Agarwal, The M.S. University of Baroda, India* |
| **14 55 – 15 15** | Deconstruction Art In Fashion Design - *Sui Kun, Qingdao Technological University, China* |
| **15 15 – 15 35** | Developing a New Concept of Reversible Textile Furnishing – *S R Iranah & N Budhai, University of Mauritius* |

Friday 20 July 2012

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| **Venue: Lecture Theatre 1, New Academic Complex** |
| **Session Chair: *Mr J Chummun*** |
| **09 30 – 09 40** | Prediction Of Thickness Of Plain Woven Fabrics Using Backpropagation Feedforward Artificial Neural Network - *R Unmar & J Abel, University of Mauritius* |
| **09 40 – 10 00** | Protective Clothing For Outdoor Workers Against Ultraviolet Radiation And Soil *- R Yadav & A Karolia, The M.S. University of Baroda, India* |
| **10 00 – 10 20** | Clothing Comfort – *L Hes, University of Liberec, Czech Republic* |
| **10 20 – 10 40** | Tea/Coffee Break |
| **10 40 – 11 00** | Developing an e T-Shirt Business in Mauritius - *S R Iranah & G Goraya, University of Mauritius* |
| **11 00 – 11 20** | Investigation Of Quality Assurance Measures Adopted By Women Entrepreneurs Operating Textile And Apparel Micro And Small Enterprises (MSEs) For Sustainable Fashion Businesses *- I W Wandaka & L Ngige & A Ondigi, Kenyatta University, Kenya* |
| **11 20 – 12 00** | Closing Ceremony |
| **12 00 – 13 00** | Lunch |
| **13 00 – 16 30** | Industry Visit |