

Poster Sessions



17:30 - 19:00 **Monday, 27 September 2010**

17:30 - 18:30 **Tuesday, 28 September 2010**

Poster Sessions and Table Top Exhibit and Product Demonstrations

Precise Determination of (Nano)particle Emissions from Paper Surfaces via Acoustic Waves,

Andreas Kornherr, Mondi Uncoated Fine Paper

Modeling the Rheology of Nanocellulose Suspensions, A. Puisto, Aalto University, School of Science and Technology

Multiscale Modeling, Synthesis, and Application of Multifunctional Gelators,

Sergey Gusarov and Andriy Kovalenko, University of Alberta

Coarse-Grained Material Properties for Fiber-Based Materials from Computer Simulations,

Mikko Alava, Aalto University

Atomistic Modeling of Cellulose Nanofibrils: Elastic Properties, J. L. McWhirter and Sami Paavilainen, TUT

Atomistic Modeling of Cellulose Nanofibrils and Their Interactions, S. Paavilainen, TUT

Theory and Modeling at Multiple Scales for Understanding Supramolecular Self-Assembly, Solvation Effects, and Gelation, Stanislav R. Stoyanov, National Institute for Nanotechnology, National Research Council of Canada

Cellulose Fibers and Nanofibrils for Adhesive Reinforcement,

Stefan Veigel, University of Natural Resources and Applied Life Sciences

Cellulose Nanofiber (CNF) for Nanocomposites Production: Opportunities and Challenges,

Hossein Yousefi, University of Tehran

Preparation of Cellulose Nanofibrils from Short Staple Cotton Fibers / Cotton Linters by Homogenization and its Characterization, A. K. Bharimalla, Central Institute for Research on Cotton Technology, Matunga, Mumbai

Enzymatic and Acid Hydrolysis of Sisal Fibers: Morphological Aspects of Nanoparticles and Influence on the Mechanical Properties of Nanocomposites, Gilberto Siqueira, PAGORA

Bacterial Cellulose Biocomposites Based on Epoxidized Soy Bean Oil and Gelatin Matrices,

C. Peña, University of the Basque Country

Studies on Electrospun Chitosan Based Nanofibres Reinforced with Cellulose and Chitin Nanowhiskers,

Valencia Jacobs, Luleå University of Technology

Thermoplastic Composites Reinforced by Nanofibrils of Cellulose, Yousoo Han, University of Maine

Physicochemical Characterization of Nanofiber of Different Treatment on Kenaf Bast Fiber,

Alireza Shakeri, Golestan University

Flexible Filler Nanocellulose Structures, Katariina Torvinen and Jenni Sievanen, VTT

Bacterial Cellulose Coated "Hairy" Sisal Fibres for Renewable Hierarchical Composites,

Anne Delille, Imperial College London

Cellulosic Nanocomposites Reinforced with Nanocrystals Isolated from Hardwood Residues and Hybrid Poplar,

Jingxin Wang, West Virginia University

Water-binding Capacity of Nanofibrillar Cellulose, Monika Österberg, Aalto University

Poster Sessions Continued

Nano-fibrillation of Wood Pulp Using a High-Speed Blender, Kojiro Uetani, Kyoto University

Composite Materials of Cellulose Nanofibers and Natural Rubber, Takeshi Nakatani, Kyoto University

Nanocellulose based Materials with High Performances, Hanna Lönnberg, SweTree Technologies AB

Preparation and Characterization on Cellulose Nanofiber Paper, Liyuan Zhang, Deakin University

Mechanical Behavior of Recycled Fibers Coated by Silver Nanoparticles, L. Csoka, University of West Hungary

Aligned Cellulose Nanocrystals Deposited on Flat Supports by Convective Assembly, Ingrid C. Hoeger, North Carolina State University

Poly(N-isopropylacrylamide) brushes grafted from Cellulose Nanocrystals via Surface-Initiated Atom Transfer Radical Polymerization (SI-ATRP), Justin Zoppe, North Carolina State University

Optically Transparent Organic-Inorganic Hybrid Materials (OIH) Based on BC and Bohemite-Glycidoxypropyltrimethoxysilane (Boe-GPTS) Systems, Hernane S. Barud, São Paulo State University-UNESP

Photocromic Organic-Inorganic Hybrid (OIHs) Based on Bacterial Cellulose and Polioxometalate (POM), Hernane S. Barud, São Paulo State University-UNESP

Influence of Nanoclay on Physical and Mechanical Properties of Bio Fiber/ Plastic Composite, Hossein Khanjanzadeh and Taghi Tabarsa, Gorgan University

Nanosized Coatings on Paper Using Electrospinning/Spraying Process, P. Heikkilä, TUT

Nanoscale Surface Processing with Atmospheric Plasma Technique, Johanna Lahti, TUT

Gas and Moisture Barrier on Bio-based Packaging Materials by Atomic Layer Deposition, Terhi Hirvikorpi, VTT

Papers Coated with a MODIFIED Pigment Obtained by in Situ Synthesis of Silica Film on PCC, José A.F. Gamelas, University of Coimbra

Thin Coatings for the Paper by Foam Coating, Karita Kinnunen, Tuomo Hjelt, Eija Kenttä, VTT

Controlled Wettability of Paperboard by Nanoparticles Using Liquid Flame Spray Process, Milena Stepien, AA/TUT

Nanofibrillated Cellulose as Carrier of (Nano) Particles, Kirsi Kataja, VTT

Using Nanofibrillated Cellulose to Improve Biomaterials Properties for Packaging Applications, Susana Aucejo Romero, Packaging, Transport & Logistics Research Center

Modifying Contact Angles on Lignin Surfaces By the Application Of Silica Nanoparticles, Lei Dong, Tiina Nypelö, Monika Österberg, Janne Laine, and Mikko Alava, Aalto University

Cellulose Nanoparticles and Alginate Encapsulation for Their Use in Extrusion Process, Julien Bras - Laboratory of Pulp and Paper Science

Processing and Characterization of Melt Spun Bio-Nanocomposite Fibres, Maya Jacob John & Aji Mathew, Luleå University of Technology

Rheological behavior of different bio-based nanoparticles suspensions, Julien Bras - Laboratory of Pulp and Paper Science