



## TECHNICAL PROGRAM

As of 3/12/18 - Subject to change – please check the conference website for updates.

<b>Monday 11 June 2018</b>	
9:00-10:30	<b>Forest Products Laboratory Tour #1</b>
9:00 – 12:00	<b>Practical Safety Strategies for Bio/Nano Technology Commercialization Workshop</b>
12:00-1:30	<b>Student Committee Lunch</b>
1:00 – 4:00	<b>CNM Characterization Workshop – Primary Characterization</b>
2:00-3:30	<b>Forest Products Laboratory Tour #2</b>
4:00-5:30	Session 1: <b>OPENING SESSION AND KEYNOTE</b> Keynote Speaker: <b>Alper Kiziltas, Ph.D. Ford Motor Company</b> <b>Welcome &amp; Nano Division Overview</b>
5:30-7:00	<b>Welcome Reception</b> 5:30-7:00
6:30-7:30	<b>Young Professionals Mixer</b> 6:30-7:30

<b>Tuesday 12 June 2018</b>			
<b>8:30- 10:00</b>	<b>Session 2: Particle Size Measurement</b>	<b>Session 3: Lignin Specialties</b>	<b>Session 4: Responsive &amp; Functional Materials I</b>
	Proof-of-Concept of Gel Fractionation of Bleached Eucalyptus Kraft MFC - <i>Braz Demuner, Fibria Cellulose</i>	Bio-nanomaterials Development: Linking R&D Activities and Industrialization Of Lignin Micro - and Nanoparticles - <i>Camilla Abbati de Assis, North Carolina State University</i>	Cellulose Nanomaterial in High Performance Water-based Drilling Fluids - <i>Qinglin Wu, Louisiana State University</i>
	Determining Nanocellulose Particle Size — A Comparative Study - <i>Valdeir Arantes, Lorena School of Engineering, University of São Paulo</i>	Exploring the Interactions That Drive the Assembly of Cellulose Nanofibers Produced from Australian Spinifex Arid Grass - <i>Katarzyna Kemp, University of Queensland, Australian Institute for Bioengineering and Nanotechnology</i>	Encapsulation of Phase Change Materials in Cellulose Nanocrystals-Reinforced Poly(urea-urethane) Microcapsules and Their Incorporation in Asphalt for Snow and Ice Melting - <i>Carlos Martinez, Purdue University</i>
	Characterization Of Concentrated Aqueous CNC Suspensions By Static Multiple Light Scattering: Equivalent Particle Size And Suspension Stability – <i>Zygmunt Jakubek, National Research Council of Canada</i>	Valorizing Lignin through Lignin nanoparticles Fabrication and Application - <i>Dong Tian, Sichuan Agricultural University</i>	Sensing Water Diffusion and its Effects in CNC-epoxy Composites Using Aquafloor - <i>Sindhu Seethamraju, National Institute of Standards and Technology</i>
	Metrology Challenges for Characterization of Cellulose Nanocrystals – <i>Linda Johnston, National Research Council Canada</i>	Anisotropic Cellulose Nanofibers/Lignin Foams For Thermal Insulation - <i>Nathalie Lavoine, Stockholm University</i>	Unusual Approaches to Cellulose Nanocrystal Modification: Allomorph Transition and End-to-end Connections - <i>Eero Kontturi, Aalto University</i>
<b>10:00- 10:30</b>	<b>Break</b>		
<b>10:30- 12:00</b>	<b>Session 5: Photonics and Optical Applications</b>	<b>Session 6: Industrial Applications</b>	<b>Session 7: Foams &amp; Gels</b>
	Circularly Polarized Light Detection on Transistors using Cellulose Photonic Dielectrics - <i>Luis Pereira, CENIMAT/I3N and CEMOP/UNINOVA</i>	Towards Enhanced Durability And Sustainable Construction Through Tuned Cellulose Nanofibres - <i>Vivek</i>	Towards Nano-enabled Bio-Based Solutions by Foam Technologies - <i>Katariina Torvinen, VTT Technical Research Centre of Finland Ltd.</i>

		<i>Bindiganavile, Univeristy of Alberts</i>	
	“Patchy” Modification of Cellulose Nanocrystals with a Thermoresponsive Polymer for a Switchable Liquid Crystal - <i>Bailey Risteen, Georgia Institute of Technology</i>	Cellulose Filament Reinforced Cement Board - <i>Xiaolin Cai, FPInnovations</i>	Ultralight Weight Kapok Fiber Derived Aerogels for Oil Spill Cleaning - <i>Indu Chauhan, Indian Institute of Technology Delhi</i>
	UV-blocking Hybrid Nanocellulose Films Containing Ceria and Silica Nanoparticles - <i>Tiffany Abitbol, RISE Research Institutes of Sweden</i>	The Potential of TEMPO-Oxidized Cellulose Nanofibrils as a Rheology Modifier in Food Systems - <i>Ragnhild Aaen, NTNU</i>	Control of Porous Structure of Cellulose Aerogel Made from Nanofibrillated Cellulose – <i>Chen Gong, China National Pulp and Paper Research Institute</i>
	Electrophoretic Deposition of CNC-Containing Photonic and Semi-Conductive Films - <i>Wadood Hamad, FPInnovations</i>	Hygiene Product Application Utilizing Cellulose Based Absorbent Material Made By Tempo Oxidation - <i>Jani Lehmonen, VTT Technical Research Centre of Finland Ltd</i>	Plasticized Nanocellulose Gel for Biomedical and Food Packaging Applications - <i>Suraj Sharma, University of Georgia</i>
<b>12:00 - 2:00</b>	<b>Session 8: Keynote Presentation and Lunch</b> <b>Keynote Speaker:</b>		
<b>2:00-3:30</b>	<b>Session 9: Industrial Production 1</b>	<b>Session 10: Novel Properties of Nanocellulose-based Films and Membranes</b>	<b>Session 11: Tissue Engineering and Implants</b>
	Control of Membrane Processes During the Production of Cellulose Nanomaterials – <i>Emily Sharata, Membrane Specialists</i>	Industry Adopted Production of Nanocellulosic Material Optimized for Increased Strength of Packaging and Printing Paper - <i>Per Engstrand, FSCN Mid Sweden University</i>	3D Printing Of Nanocellulose Scaffolds With Tailored Mechanical Strength Towards Medical Applications - <i>Xiaoju Wang, Åbo Akademi University</i>
	CNC Production at Dramatically Lower Acid Ratios - <i>James Lockhart, NORAM</i>	Gas Responsive CNC Membrane for Precise Separation of Nanomaterials - <i>Farhad Farnia, Universite de Sherbrooke</i>	Mechanically Adaptive Bio-Nanocomposites for Implantable Sensing – <i>Johan Foster, Virginia Tech</i>
	Cellulose Nano Crystals Production and Development of Innovative Products – <i>Shaul Lapidot, Melodea, Ltd.</i>	Nanocellulose-based Membrane With Antifouling Properties Prepared by Grafting of Zwitterionic Polymers - <i>Luis Alexandro Valencia Lopez, Stockholm University</i>	Nanocellulose reinforced poly(propylene fumarate) composites – <i>John Simonsen, Oregon State University</i>

	Cost Effective Production of CNC at InnoTech Alberta - <i>Christophe Danumah, InnoTech Alberta Inc.</i>	Study of Structure Dependence Of Barrier Properties In Nanofibrilated Cellulose Films for Intelligent Food Packaging Applications - <i>Vadim Kislitsin, University of Alberta</i>	New Production Strategies for Tissue Scaffolds Containing Cellulose Nanocrystals and Their Fate in Vivo – <i>Emily Cranston, McMaster University</i>
<b>3:30-4:00</b>	<b>Break</b>		
<b>4:00-5:30</b>	<b>Session 12: End User Panel</b>	<b>Session 13: Tissue Engineering, Implants and Drug Delivery</b>	
		Shape-memory 3D Printable Hydrogels with Anti-microbial Properties - <i>Gilberto Siqueira, Applied Wood Materials Lab. - Empa</i>	
		Cellulose-Based Lateral Flow Devices for Low-Cost Point-of-Care Blood Coagulation Monitoring - <i>Andrew Steckl, University of Cincinnati</i>	
		Facile Preparation of Lignin Nanoparticles in Near-Neutral Aqueous Solution and Excellent Performance for Drug Delivery - <i>Liheng Chen, Jinan University</i>	
	Vitamin B Complex Encapsulated On Baterial Nanocellulose: A Model Study On Adsorption and Controlled Delivery System - <i>Diego Sánchez, Pontificia Bolivariana University, Columbia</i>		
<b>5:30-7:30</b>	<b>Session 15: Poster Session and Student Poster Competition</b>		
<b>Wednesday 13 June 2018</b>			
<b>8:30-10:00</b>	<b>Session 16: Automotive &amp; Other Manufacturing Processing</b>	<b>Session 17: Processing and Applications of Nanocellulose-based Coatings</b>	<b>Session 18: Responsive &amp; Functional Materials II</b>
	Role of Nanocellulose in Glass Fiber-Epoxy Interphase - <i>Joyanta Goswami, Georgia Institute of Technology</i>	Chitin and Cellulose Spray Coated Nanomaterials for Sustainable Barrier Applications - <i>Chinmay Satam, Georgia Institute of Technology</i>	Mechanical Behavior of Polymer Conjugated Cellulose Nanocrystal Films - <i>Sinan Keten, Northwestern University</i>
	High performance nanocellulose – polyamides composites - <i>Fabiola Vilaseca, University of Girona</i>	Roll-to-roll Fabrication of Transparent Cellulose Nanocrystal Coatings on a Flexible Substrate with	Development of Cellulose Fibre Yarns For Hormone Capture From Aqueous Matrices - <i>Hannes Orelma,</i>

		Controlled Anisotropy. - <i>Reaz Howdhury, Purdue University</i>	<i>VTT Technical Research Centre of Finland</i>
	Toward the Applications of CNFs Materials for Automotive Parts - <i>Hiroyuki Yano, Kyoto University</i>	Coatability of CNC Suspensions in a High-throughput Continuous Process - <i>Rajesh Koppolu, Åbo Akademi University</i>	Solving the Problem of Making Nanocomposites of Hydrophilic and Hydrophobic Polymers by Gas Switchable CNC - <i>Farhad Farnia, Universite de Sherbrooke</i>
	Towards CNC-Enabled Lightweighting of Automotive Components - <i>Craig Clemons, USDA Forest Products Laboratory</i>	Comparison of Coating Methods for the Application of Cellulose Nanofibrils (CNF) as Coating on Paperboard - <i>Doug Bousfield, University of Maine</i>	Novel Tunable Amphiphilic to Hydrophobic Nanocelluloses Via a Multi-Functional Reagent - <i>You-Lo Hsieh, University of California, Davis</i>
<b>10:00-10:30</b>	<b>Break</b>		
	<b><i>Session 19: Self- and Directed Assembly of Nanocellulose</i></b>	<b><i>Session 20: Melt &amp; Dry Processing I</i></b>	<b><i>Session 21: Foams &amp; Aerogels I</i></b>
	Confinement Driven Organization of CNF and CNC - <i>Gustav Nyström, Empa</i>	Cellulose Nanocrystal — Thermoplastic Composites via Melt-Blending – <i>Douglas Fox, American University</i>	Fabrication and Functionalization of Advanced Nanomaterials with 3D-Network Structure from Cellulose and Whole Biomass using LiBr Molten Salt Hydrate System - <i>Yang Liao, UW Madison</i>
<b>10:30-12:00</b>	Optimizing the Structure and Mechanical Properties of Chiral-Nematic Cellulose Scaffolds for Tough Bioinspired Polymer Composites - <i>Bharath Natarajan, National Institute of Standards and Technology</i>	Dual approach to Driving Crystallinity-Based Performance In Polylactic Acid Materials: Cellulose Nanomaterials Delivered By Polyethylene Glycol - <i>Caitlyn Clarkson, Purdue University</i>	Ultralight, Highly Thermal Insulating and Fire Resistant Aerogel by Encapsulating Cellulose Nanofiber with Two-dimensional MoS <sub>2</sub> - <i>Hongli Zhu, Northeastern University</i>
	Nanocellulose Biofabrication: A Versatile Toolbox for Self-assembled Functional 3D Structures - <i>Orlando Rojas, Aalto University</i>	Embedding Cellulose Nanocrystals (CNCs) into Polymer Particles for Enhanced Processing - <i>Priya Venkatraman, Virginia Tech</i>	Characteristics of TEMPO-oxidized cellulose nanofiber/water dispersions and their applications - <i>Yohsuke Goi, DKS Co. Ltd., the University of Tokyo</i>
	Engineering the Self-assembly of Cellulose Nanocrystals on Complex Topography to Obtain Advanced Hybrid Materials - <i>Blaise Tardy, Aalto University</i>	Improving Compatibility and Compounding of Cellulose Nanocrystals in Polymer Composites – <i>Ronald Sabo, USDA Forest Service, Forest Products Laboratory</i>	Cellulose Nanofibrils Aerogel: Development and Application In Water Treatment - <i>Feng Jiang, The Department of Wood Science, Faculty of Forestry, The University of British Columbia</i>

12:00 - 2:00	<b>Session 22 - Lunch with Presentation by Conference Gold Sponsor</b>		
2:00-3:30	<b>Session 23: Nanocellulose-Based Composites</b>	<b>Session 24: Flexible Electronics</b>	<b>Session 25: Nanocellulose For Enhancing Paper</b>
	Controlling cellulose nanocrystal location within latex systems by tuning interfacial compatibility - <i>Elina Niinivaara, McMaster University</i>	Cellulose Nanocrystals (CNC) Derived Mo <sub>2</sub> C@Sulfur-doped Carbon Aerogels for Hydrogen Evolution - <i>Yun Lu, Research Institute of Wood Industry, Chinese Academy of Forestry</i>	The Benefits of Using MFC (Microfibrillated Cellulose) in Coated Papers - <i>David Cowles, GL&amp;V USA Inc.</i>
	Processing Effects on Response of Mechanically Adaptive Cellulose Nanocrystal Polymer Composites - <i>Michael Bortner, Virginia Tech</i>	Room Temperature Fabrication of High-Performance Nanopaper Thin-Film Transistors with Stacked IGZO/Al <sub>2</sub> O <sub>3</sub> Bilayer Semiconductors - <i>Zhiqiang Fang, South China University of Technology</i>	Enhancing Coating Holdout with Cellulosic MicroFibrils - <i>Donna Johnson, University of Maine Process Development Center</i>
	Singly Dispersed Gold Nanoshell-Bearing Cellulose Nanocrystals with Tailorable Plasmon Resonance - <i>Nikolay Semenikhin, Georgia Institute of Technology</i>	Launderable Conductive Fabrics with Nanocellulose Coating - <i>Yunsang Kim, Mississippi State University</i>	Life Cycle Assessment Of Packaging Containing Microfibrillated Cellulose From Spruce - <i>Ellen Soldal, Ostfold Research</i>
	Surface Modifications of Nanocellulose for Assembly of a Stable Organogel Support for Drug Crystallization - <i>Manali Banerjee, Georgia Institute of Technology</i>	AlGaN/GaN HEMT Based RF Power Amplifier on CNF Substrate for Environment-Friendly Flexible Electronics - <i>Huilong Zang, University of Wisconsin-Madison</i>	Nanocellulose Functionalization Using Silsesquioxane Particles Sol Gel Formation In Aqueous Conditions and Their Application for Superhydrophobic Coated Paper - <i>Julien BRAS, Univ. grenoble Alpes, Grenoble INP, LGP2</i>
3:30-4:00	<b>Break</b>		
4:00-5:30	<b>Session 26: Processing and Properties of Nanocellulose-based Films for Packaging Applications</b>	<b>Session 27: 3D Printing &amp; Coatings</b>	<b>Session 28: Characterization Methods</b>
	Functional Nanofibril Membranes and Strong Wet-Spun CNF Fibers - <i>Yulin Deng, Georgia Institute of Technology</i>	3D Printed Poly(Lactic- Acid)/ Grafted Cellulose Nanofiber Composites with Enhanced Mechanical Properties – <i>Ju Dong, Louisiana State University</i>	Investigating the Influence of Fibril Size on Microfibrillated Cellulose (MFC) Suspension Morphology Under Flow: A Rheological Approach - <i>Michel</i>

			<i>Schenker, FiberLean Technologies Ltd.</i>
	All-cellulosic Packaging From Cellulose Nanofibrils And Fatty Acid Esters - <i>Jari Vartiainen, VTT Technical Research Centre of Finland Ltd.</i>	Towards 3D printing of ABS -cellulose nanocrystal composite materials – <i>Matthew Hartings, American University</i>	Comparison of supramolecular structures of CNCs of different origins - <i>Umesh Agarwal, USDA FS Forest Products Laboratory</i>
	Hybrid Nanopaper of Cellulose Nanofibrils and PET Microfibers with High Tear Resistance – <i>Emil Gustafsson, Université Grenoble Alpes, LGP2</i>	Improved Wood Coatings via CNC Addition - <i>Jeffrey Youngblood, Purdue University</i>	Chemically Labeling of Cellulose For Quantitative Tracking - <i>Jeremiah Woodcock, NIST</i>
	Structure-property Relationships In Physical, Mechanical, and Barrier Properties of Hybrid Cellulose Nanofibril/Bentonite Films For Packaging Applications - <i>Mehdi Tajvidi, School of Forest Resources, University of Maine</i>	Nanocellulose-modified Oil-Based Wood Coatings - <i>Stefan Veigel, BOKU – University of Natural Resources and Life Sciences Vienna</i>	Rheological Characterization and Testing Standards for Nanocellulose Materials - <i>Jianshan Liao, School of Chemical and Biomolecular Engineering, Renewable Bioproducts Institute, Georgia Institute of Technology</i>
<b>6:30-10:00</b>	<b>Conference Dinner 6:30-10:00</b>		

<b>Thursday 14 June 2018</b>			
	<b><i>Session 29: Safety in Applications</i></b>	<b><i>Session 30: Thermal Properties</i></b>	<b><i>Session 31: Emulsions &amp; Colloids</i></b>
<b>8:30-10:00</b>	What Do We Know About the Safety of Cellulose Nanomaterials: Environmental Health and Safety Roadmap, knowledgebase and uncertainties - <i>Jo Anne Shatkin, Vireo Advisors, LLC</i>	Mass Production of Few-layer Boron Nitride/Nanofibrillated Cellulose Hybrid Membranes With High Thermal Conductivity Through One-step Exfoliation and Dispersion - <i>Qingye Li, Polymer Research Institute of Sichuan University</i>	Medium and High Internal Phase Oil-in-Water Pickering Emulsions Stabilized by Cellulose Filaments - <i>Chuanwei Miao, FPIInnovations</i>
	Toxicological Evaluation of Nanocellulose in Experimental Models of Occupational Respiratory Exposure - <i>Jenny Roberts, NIOSH</i>	Modification of Cellulose Nanocrystals (CNC) for Fire Retardant Applications - <i>TriDung(TD) Ngo, InnoTech Alberta</i>	Surprising Adhesive Property Modifications Using Cellulose Nanocrystals - <i>Marc Dube, University of Ottawa</i>

	Comprehensive Physicochemical Characterization of Novel Cellulose Materials: Challenges and Opportunities for Environmental Health - <i>Christie Sayes, Baylor University</i>	Processing and Performance of Clay-Nanocellulose Hybrids- <i>Lars Berglund, KTH Royal Inst of Technology</i>	Tuned Multifunctional Cellulose Nanocrystal Acid-Base Cooperative Organocatalysts For Upgrading Biomass-Derived Platform Molecules - <i>Nathan Ellebracht, Georgia Institute of Technology</i>
	An Update on the Science of Demonstrating the Safety of Cellulose Nanomaterials for Food Related Uses - <i>James Ede, Vireo Advisors, LLC</i>	Retardation Effects of Cellulose Nanocrystals (CNCs) in Portland Cement Pastes - <i>Francisco Montes, Purdue University</i>	Rapid Stability Analyses of Microfibrillated Cellulose - <i>Christelle Tisserand, Formulacion</i>
<b>10:00-10:30</b>	<b>Break</b>		
	<b>Session 32: Industrial Production II</b>	<b>Session 33: Solvent Based Processing</b>	<b>Session 34: Foams &amp; Aerogels II</b>
	Mineral/microfibrillated Cellulose Composite Materials: High Performance Products, High Solids Product Forms and Applications - <i>David Skuse, FiberLean Technologies Limited</i>	Counterion Design Of TEMPO-Nanocellulose Used as Filler to Improve Properties of Hydrogenated Acrylonitrile-Butadiene Matrix - <i>Akira Isogai, The University of Tokyo</i>	Open
<b>10:30-12:00</b>	Scaling up the CNC Production: Optimizing Cellulose Degradation with Gaseous HCl - <i>Timo Pääkkönen, Aalto University</i>	Effect of Cellulose Nanofibril Addition On Gel Spinning of Continuous Polyacrylonitrile Fiber, and Their Corresponding Properties - <i>Jeffrey Luo, Georgia Institute of Technology</i>	Nanocellulose aerogels and air filters - <i>Junji Nemoto, Hokuetsu Kishu Paper</i>
	Improved Biochemical Co-Production of Nanocellulose and Biofuel Precursors with Bacterial Cellulases - <i>Peter Ciesielski, NREL</i>	Acrylic-CNC Composites Formed by CNC Functionalization with Acryloyl Isocyanate and In Situ Copolymerization- <i>Carson Meredith, Georgia Institute of Technology</i>	Reinforcing Effect of Poly-Furfuryl alcohol On Freeze-Dried Microfibrillated Cellulose Foams - <i>Eva-Marieke Lems, BOKU-University of Natural Resources and Life Sciences</i>
	Using Solid Organic Acids for Sustainable, Economic, and Tailored Production of Cellulose Nanomaterials - <i>J. Y. Zhu, USDA Forest Products Lab</i>	Nanocellulose in Formable, Strong and Lightweight Structures For Interior Construction - <i>Vesa Kunnari, VTT Technical Research Centre of Finland Ltd.</i>	Tailoring the Interactions Between Aminosilane and Cellulose Nanofibrils for the Processing and Drying of Hybrid Siliceous Foams - <i>Korneliya Gordeyeva, Stockholm University</i>
<b>12:00-2:00</b>	<b>Session 35: Keynote Presentation and Lunch</b> <b>Keynote Speaker:</b>		



	<b>Session 36: Melt &amp; Dry Processing II</b>	<b>Session 37: LCA Manufacturing, Life Cycle &amp; Product Safety</b>	<b>Session 38: Films and Suspension Properties</b>	<b>Session 39: Student Session: Career Roundtable</b>
<b>2:00-3:30</b>	Cellulose Nanocomposites: Vacuum Infusion of Cellulose Nanofiber Preforms with Bio-Based Epoxy - <i>Kristiina Oksman, University of Oulu</i>	Microfibrillated Cellulose in Products: Calculation of Environmental Costs and Benefits using Life Cycle Assessment - <i>Ingunn Saur Modahl, Ostfold Research</i>	Nondestructive, Noncontact Measurement Of Dielectric And Cholesteric Properties of CNC Films - <i>Jan Obrzut, NIST</i>	
	Binderless Cellulose Filament-Based Product Made by Compression Molding - <i>Natalie Pagé, FPInnovations</i>	Microfibrillated Cellulose Ecotoxicological Effects To The Final Treated Industrial Effluent of A Pulp Mill - <i>Fernando Aquinoga Mello, Fibria Celulose S.A.</i>	Formation Measurement of Nanocellulose Films - <i>Karl Haakansson, RISE</i>	
	Cellulose Nanofibrils-Bonded Particleboards: Production, Property Evaluation and Dewatering Process Assessment - <i>Ezatollah Amini, University of Maine</i>	Cellulose Nanomaterials in Products - Risk Assessment According to European Commission's Guideline - <i>Heli Kangas, VTT Technical Research Centre of Finland Ltd</i>	Modified Cellulose Nanocrystal Production Routes for Increased Performance of Aqueous Suspensions at High Temperatures - <i>Oriana Vanderfleet, McMaster University</i>	
	Enhancement of the Physical And Mechanical Properties of Mycelium-Bonded Composite Panels by Cellulose Nanofibrils - <i>Wenjing Sun, University of Maine</i>	Overview of NIOSH Field Studies for the Assessment and Control of Nanocellulose Materials - <i>Kevin Dunn, NIOSH</i>	Spray Drying of Cellulose Nanocrystals: Dried Granular Particle Morphology and Redispersion in Aqueous Solutions - <i>Yusef Esparza, Department of Civil and Environmental Engineering University of Alberta</i>	
<b>3:30-4:00</b>	<b>Break</b>			
<b>4:00-5:30</b>	<b>Session 40: Energy Storage Applications</b>	<b>Session 41: Characterization and Quantification of Cellulose Nanomaterials</b>	<b>Session 42: Functional Materials</b>	

	Structure and Electrochemical Performance of Cellulose Nanocrystal Derived Carbon Anodes for Lithium and Sodium Batteries - <i>Kyungho Kim, Purdue University</i>	Meeting Global Regulatory Requirements: Overview of Nanomaterial Safety Testing - <i>Kimberly Ong, Vireo Advisors</i>	Fabrication and Characterization of All-Cellulose Composite Membrane for Simultaneous Oil/Water Separation and Water Purification - <i>Chenghong Ao, State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute at Sichuan University</i>
	Heavy Metal-Free Tannin from Bark for Sustainable Energy Storage – <i>Hongu Zhu, Northeastern University</i>	Investigation into Low Level Quantification Techniques for Cellulose Nanocrystals (CNC) in Aqueous Media – <i>Brian O'Connor, FPIInnovations</i>	Scalable Processes for Nanocellulose Based Water Purification Membranes - <i>Aji Mathew, Stockholm University</i>
	Nanocrystalline Cellulose Based Electroactive Polymer - <i>Maobing Tu, University of Cincinnati,</i>	The Effect of Pretreatment on Key Properties of Cellulose Nanofibers from Hybrid Aspen - <i>Simon Jonasson, Luleå University of Technology</i>	Effect of Surface Hydrophobicity to Antibacterial Activity Of Nanocellulose-Based Material with Quaternary Group - <i>Shiyu Fu, South China University of Technology</i>
	Flexible Supercapacitors from Nanocellulose - <i>Wei Zhang, State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute at Sichuan University</i>	Cellulose Nanocrystals from Flax Shives: Accessibility of the Hydroxyl Groups, Crystallite Shapes and Three-Dimensional Arrangement - <i>Benoit Duchemin, Normandie Univ/CNRS</i>	Preparation of Polypropylene Nanocomposites with Amphiphilic Janus ACC-Nanocellulose Created by Aqueous Counter Collision - <i>Tetsuo Kondo, Kyushu University</i>

<b>Friday 15 June 2018</b>	
9:00 -12:00	Producers Committee Meeting (Invitation Only)