

The 2nd International Forest Biorefining Conference (IFBC) and 4th International Symposium on Lignocellulosic Materials (ISLM)



2019

June 9-12
Thunder Bay, Canada

Organizing Committee:

Lew Christopher	Song Won Park
Md Nur Alam	Sudip Rakshit
Miguel Ladero Galan	Juan Carlos Villar
Baoqiang Liao	Ning Yan
Wensheng Qin	

International Scientific Committee:

Raimo Alen	Jussi Manninen
Ludo Diels	Theo van de Ven
Franck Dumeignil	Maria Soledad Gutierrez
Jack Saddler	Marzouk Benali
Adriaan van Heiningen	Niklas Von Weymarn
Patrice Mangin	Maria Cristina Area

CONFERENCE SCHEDULE

Sunday June 9, 2019

5:00pm - 8:00pm Registration/Social Hour

Monday June 10, 2019

7:00am - 5:00pm

Registration

7:00am - 8:30am

Breakfast

8:30am - 8:45am

Opening Ceremony – Indigenous Drumming Circle & Elder Blessing

Welcome to the Traditional Territories of Fort William First Nation

8:45am - 9:00am

Welcome to the City of Thunder Bay – *Greetings from Government Dignitaries*

9:00am - 9:15am

Opening Remarks - *Andrew Dean, Vice President, Research and Innovation, Lakehead University*

Dr. Lew Christopher, Conference Chair/BRI Director, Lakehead University

9:15am - 10:00am

Plenary Session: A FUTURE BIOECONOMY: COLLABORATION & INNOVATION - PART I

Session Chair: *Dr. Lew Christopher, Lakehead University*

- **Collaboration to Drive Innovation: Modern Bio-Refineries**, *Matti Heikkila, Metgen*

10:00am - 10:15am

Nutrition Break

10:15am - 11:45am

Plenary Session: A FUTURE BIOECONOMY: COLLABORATION & INNOVATION - PART II

- **European View for Biorefinery and Biotechnological Research**, *Juan Carlos Villar, INIA-Forest Research Institute of Spain*

- **Iberoamerican View of Lignocellulosic Biorefinery**, *Song Won Park, University of Sao Paulo*

- **Canadian Bioeconomy Overview**, *David Nanang, Natural Resources Canada, Canadian Forest Service*

11:45am - 12:15pm

Panel Discussion: WORKING TOGETHER TO HARNESS THE POTENTIAL OF A GLOBAL GREEN ECONOMY

12:15pm - 1:15pm

Lunch

1:15pm - 3:15pm

BIOREFINING – Past, Present and Future.

Session Chair: *Dr. Lew Christopher (Lakehead University)*

- **The Future Forest Biorefinery**, *Adriaan van Heiningen, The University of Maine*

- **Lignin as the 'glue' to Adapt to Modern Society Materials Performance Needs and Climate Change Abatement**, *Ludo Diels, University of Antwerp and VITO*

- **Re-Imagining Biorefining in the Context of the Circular Economy**, *Warren Mabee, Queens University*

- **Update of TMP - Bioprocess for lignocellulosic biomass**, *Zhirun Yuan, FPIinnovations*

3:15pm - 3:30pm

Nutrition Break

3:15pm - 3:45pm

Panel Discussion: CHALLENGES AND OPPORTUNITIES FOR LARGE-SCALE DEPLOYMENT OF BIOREFINERIES

3:45pm - 5:30pm

BIOREFINING Technical Presentations

Tuesday June 11, 2019

7:00am - 5:00pm	Registration
7:00am - 8:30am	Breakfast
8:30am - 10:00am	BIOMASS: FEEDSTOCK DISCOVERIES & SUSTAINABILITY. Session Chair: TBD <ul style="list-style-type: none">• Condensation of extractive compounds in fresh wood, <i>Kyosti Ruuttunen, Aalto University</i>• Seaweed for biocarbon and biogas with nutrient recovery, <i>Prabir Basu, Dalhousie University</i>• Extraction of nutraceutical and cosmeceutical products from Himalayan Sea buckthorn (Hippophae rhamnoides) fruit, <i>Satya Naik, IIT Delhi HAUZ KHAS</i>
10:00am - 10:30am	Nutrition Break
10:30am - 12:00pm	ADVANCED BIOCHEMICALS AND BIOPRODUCTS <ul style="list-style-type: none">• Lignin containing nanocellulose fibrils for reinforcing polymer systems, <i>Ning Yan, University of Toronto</i>• Sustainable production of cellulose-based hydrogels with superb absorbing potential in physiological saline, <i>Md Nur Alam, Lakehead University</i>• Hydrothermolysis of organosolv lignin using in-situ hydrogen forming reagents, <i>Syed Hashmi, Aalto University</i>
12:00pm - 1:00pm	Lunch Keynote – TREEYON, Theo van de Ven, McGill University.
1:00pm - 2:30pm	NEXT GENERATION BIOFUELS Session Chair: TBD <ul style="list-style-type: none">• A Journey from 1G to 3G Biodiesel Production Process: An Eco-Friendly Sustainable, Green Technology, <i>Rintu Banerjee, Indian Institute of Technology</i>• Biobutanol production from physicochemically and enzymatically hydrolysed sweet sorghum bagasse, <i>Maheshwari Vhrivastava, Bhavan's College</i>
2:30pm - 3:00pm	Panel Discussion: INNOVATION IN BIOMASS, BIOFUELS AND BIOPRODUCTS MANUFACTURING
3:00pm - 3:15pm	Nutrition Break
3:15pm - 4:30pm	BIOPRODUCTS: TECHNICAL PRESENTATION
3:15pm - 4:30pm	BIOFUELS: TECHNICAL PRESENTATIONS
3:15pm - 4:30pm	BIOMASS: TECHNICAL PRESENTATIONS
4:30pm - 6:00pm	POSTER SESSION
6:00pm - 9:00pm	Industry Connector Social in the Waterfront District



Wednesday June 12, 2019

7:30am - 8:30am	Registration/Breakfast
8:30am - 8:45am	Welcome Address
8:45am - 9:45am	MARKET AND VALUE CHAIN OPPORTUNITIES. Session Chair: <i>Chris Walton (CRIBE)</i> • Keynote Address: <i>Dr. Stephane Renou, CEO FPInnovations</i>
9:45am - 10:45am	Panel Discussion: CREATING NEW OPPORTUNITIES FROM CANADA'S FOREST PRODUCTS SECTOR
10:15am - 10:45am	Nutrition Break
11:00am - 12:00pm	Panel Discussion: SCALING UP – BRINGING BIO-BASED PRODUCTS TO MARKET REALITY
12:00pm - 1:00pm	Lunch Keynote – Canada's National Bio-Economy Strategy
1:00pm - 2:00pm	Panel Discussion: INDIGENEOUS PERSPECTIVES • Bioeconomy as a Pathway to Economic Development and Reconciliation for Indigenous Peoples.
2:30pm - 3:00pm	Nutrition Break
2:15pm - 3:00pm	ACCELERATING INNOVATION THROUGH COLLABORATION
3:00pm - 5:00pm	BIOPRODUCTS: TECHNICAL PRESENTATIONS
6:00pm - 8:30pm	Conference Dinner



“A Future Bioeconomy: Cross-Sector Progress & Innovation”

BIOMASS • BIOREFINING • BIOFUELS • BIOPRODUCTS • BIOECONOMY