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SUSTAINABILITY AND THE SEMINAR SERIES

AGENDA

Introductions

Maike Luiken, Ph.D., Chair, IEEE London Section,
Dean, Applied Research, Business Development & Innovation, Sustainability
Development, Lambton College

Keynote: Dr. John Schmidt - Principal Scientist, FPInnovations - Paprican
Kevin Jonasson - Director, Commercialization NRC / ICPET

The National Research Council of Canada's National Bioproducts Program
A Partner in the Search for Sustainable, Biomass-based Feedstocks for the
Chemical Industry

Questions and Answers and General Discussion

Date: Tuesday, Sept 9th, 2008
Time: 5:30 p.m. – 7:00 p.m.
Location: Lambton College – South Building
Room: N105
Cost: Free

<http://bluewatersustainabilityinitiative.ca> | <http://london.ieee.ca>



Southwestern Ontario Bioproducts
Innovation Network



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The National Research Council of Canada's National Bioproducts Program: A Partner in the Search for Sustainable, Biomass-based Feedstocks for the Chemical Industry

The dramatic rise in the cost of petroleum-based feedstock and concerns about greenhouse gas emissions, climate change and the environment have catapulted the concept of biofuels, bioproducts and the biorefinery to the forefront of the popular media and the minds of scientists, engineers and decision makers. The National Bioproducts Program is a joint initiative of the National Research Council of Canada (NRC) and Agriculture and AgriFood Canada. Its objective is to catalyze collaboration between researchers in NRC institutes, industrial and university researchers, government departments, and non-profit research institutes to develop commercializable technologies over the next three to five years. This presentation will describe the four projects that are being developed in the program and will invite feedback from the participants on how fruitful links can be established between the projects and each of the players working to develop a sustainable basis for the chemical industry in southwestern Ontario.

BIOGRAPHY

Dr. John Schmidt is a Principal Scientist in the Mechanical Pulping Program at FPInnovations - Paprican. He received his B.Sc. in Chemistry from the University of Western Ontario in 1979. After working for Dow Chemical of Canada, Inc. in Sarnia, Ontario, he returned to Western in 1981 to do postgraduate research on biomimetic systems of the photosynthetic reaction centre and was awarded a Ph.D. degree in 1986. Upon graduation, Dr. Schmidt took up an NSERC Industrial Research Fellowship at FPInnovations - Paprican and joined the permanent staff in 1989. Dr. Schmidt's research interests are lignin chemistry, especially the photochemistry of lignocellulosic materials, and bleaching reactions of mechanical pulp. From 1990 – 2002, he was a participant in the Mechanical Wood Pulps Network of Centres of Excellence. He is a member of the Pulp and Paper Technical Association of Canada (PAPTAC), TAPPI, the American Chemical Society, and the Chemical Institute of Canada.

Kevin Jonasson joined the National Research Council of Canada as a Research Officer in 1982, following Bachelor's degree training and a research associateship in Chemical Engineering at the University of Waterloo. Kevin is an expert in fine particle technology including solid phase particulates, liquid phase droplets and slurry preparation. Other research interests have also included phase inversion casting of polymeric membranes for gas separations. As the Director of the Institute for Chemical Process and Environmental Technologies, Commercialization Program Kevin Jonasson brings 25 years of R&D and business experience to his position. As a Group Leader of ICPET's Sprays and Atomization research team and then Director of Process Technology at the institute, Kevin has extensive experience in building strong collaborative relationships with the institute's industry partners. His objective is to continue to forge the relationships that will allow internal and external partners and stakeholders to develop and commercialize new technology; in particular, responsible chemistry-based solutions that can be applied to bio-products, fuel cells and oil sands. More recently as a member of the Canadian Biomass Innovation Network (CBIN) and along with colleagues at Agriculture and Agri-food Canada, Natural Resources Canada, FPInnovations and the National Research Council Kevin has been active in promoting Canadian research in bioproducts.

The views expressed here are those of the authors and not necessarily those of the Ontario Ministry of Energy. Any errors are the authors' responsibility.

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