



CLIMATE CHANGE SOLUTION FOR CANADIAN AUTOSECTORS WORKSHOP

Monday, December 12th, 2016

Hosted by University of Toronto

Sponsored by



Innovative Chemistry and Engineering Solutions to GHGs Reduction

Climate change is one of the most significant challenges facing the world today to achieve sustainable development and this threatens to drag millions of people into relentless poverty. This rise in temperature could trigger widespread disasters such as rising sea levels, violent and volatile weather patterns, desertification, famine, and water shortages. Though we do not have better know-how and solutions to avert this global crisis and create opportunities for a better life globally, each country and regions will need to find their own best practices and options for low-carbon growth and emissions reduction to combat with this climatic challenges and hence sustainable development. Transportation is one of the significant contributors to climate change challenges.

The University of Toronto is at the forefront to initiate innovative techniques to mitigate the rising concerns of climate change including emission reduction. The major objectives of this one-day workshop is to bring together academic, industry, and government policy advisors in this field for a networking event to discuss the issues and challenges facing the world today on the emission reduction in transportation sector and to discuss develop innovative ideas to reduce the carbon footprint in automobile manufacturing and hence to shape a better future.

A particular focus of the workshop is to provide targeted industry-driven solutions and financial support to encourage post-secondary researchers at the universities to connect with industry and other knowledge end-user communities and government policy advisors in order to form new partnerships to combat the war on climate change by transforming the automotive sectors in Toronto, Ontario and Canada.



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WORKSHOP AGENDA

Time: 9:00am to 3:00pm

Debates Room, Hart House, University of Toronto

7 Hart House Circle

Toronto, ON, M5S 3H3, Canada

9:00 - 9:30	Welcome Breakfast
9:30 - 9:55	Opening Remarks
9:55 - 10:20	Invited Speech by Dr. Jimi Tjong, Manager / Technical Leader, Ford Motor Company on Biofuels for Future Automotive Vehicles
10:20 - 10:35	Break
10:35 - 11:00	Invited Speech by Dr. Saied Habibi, Professor, Dept. of Mechanical Engineering, McMaster University on Car of the Future
11:00 - 11:25	Invited Speech by Ms. Vanja Ugresic, Manager of Operations, Fraunhofer Project Centre for Composites Research at Western (FPC) on Composite Solutions of Automotive Lightweighting
11:25 - 11:50	Invited Speech by Dr. Roman Maev, University Professor, Department of Physics, University of Windsor on Innovative NDE Techniques For Advanced Materials in the Automotive Industry
11:50 – 12:00	Logistics
12:00 – 12:15	Presentation by Dr. Steve Mann on Self Driven Automobiles
12:15 - 1:20	Lunch and Poster presentation by students
1:20 - 1:45	Invited Speech by Dr. Chandra Veer Singh, Professor, Department of Materials Science & Engineering, University of Toronto on Assessing Progressive Damage and Durability of Laminated Composite Structures
1:45 – 2:10	Invited speech by Dr. Hamdy Khalil, Senior Global Director for Advanced Technologies and Innovation, Woodbridge Foam Corporation on “Sustainability...Polyurethane... Automotive – An Overview of the Journey and the Destination”
2:10 – 2:35	Invited speech by Dr. Ning Yan, Professor, Faculty of Forestry, University of Toronto on Lightweight Biobased Composites for Automotive Applications
2:35 – 3:00	Coffee & Discussion