

CUTRIC MEDEI Lightweight Materials RD&D Consultation & Project Development Workshop

INTRODUCTION

Ontario's Ministry of Economic Development, Employment & Infrastructure (MEDEI) and the National Sciences & Engineering Research Council (NSERC) are sponsoring the CUTRIC Lightweight Materials RD&D Consultation & Project Development Workshop.

- A handful of selected industry and academic stakeholders in Ontario are being invited to this workshop, which is dedicated to forging a small number of cutting edge RD&D project proposals in advanced light-weight materials.
- These industry-academic collaborative projects will be developed as part of CUTRIC's Cycle 1 project financing round (2016).
 - All project ideas generated at this workshop will be shared with the provincial MEDEI and federal ministry of Innovation, Science & Economic Development (ISED), as part of CUTRIC's co-financing strategy for transportation (innovation in Ontario) both heavy-duty/bus, and light-duty/automotive.
 - Projects may range in TRL from 1-7.

DETAILS

Date: Thursday, April 21st
Time: 9:30 AM to 3:45 PM
Location & host: University of Waterloo (Room E5-2004)
Sponsors: MEDEI (Ontario), NSERC (Canada)
CUTRIC contact: Petrunic.cutric@cutaactu.ca or 416-358-3206

AGENDA

- 9:30 Welcome & Introduction to CUTRIC | CRITUC (Dr. Josipa Petronic, Executive Director & CEO, CUTRIC | CRITUC)
- 9:45 Exemplar CUTRIC materials project (Dr. Vanja Ugresic, University of Western Ontario)
- *Automated laminate preforming for continuous fiber composites enables the rapid production of parts for a variety of fabrication technologies.*
- 9:55 Outline of Consultation Session Objectives & Structure (Dr. Josipa Petronic)
- 10:00 Phase I Consultation (in groups)
- 11:00 Coffee Break
- 11:10 Phase I Consultation (in groups) completion
- 12:15 Lunch (working lunch)
- 12:30 Phase II Consultation (in groups)
- 14:00 Coffee Break
- 14:10 Phase III Consultation (in groups)
- 15:15 NSERC Collaborative Research Grants Presentation (NSERC staff, TBD)
- 15:30 Conclusion & Next Steps: CUTRIC National RD&D Forum (Ottawa, ON) [June 29th 2016]

PHASED CONSULTATION BREAKDOWN

PHASE I: Short & Medium Term Light-weighting innovation (Advanced steels, Aluminium)

Opportunities

1. Environmental Opportunities
2. Economic/Jobs Opportunities (in Ontario)
3. Intellectual Property/Product Commercialization (Global)

Challenges

1. Policy Challenges (Provincial & Federal)
2. Infrastructure Challenges (in Ontario)
3. Other

Solutions

1. R&D Project Proposals (Ontario-centric)
Industry-Academic Collaborations (TRL 1-6)

PHASE II: Long-Term Light-weighting innovation (Composites, Magnesium, Hybrid Structures)

Opportunities

1. Environmental Opportunities
2. Economic/Jobs Opportunities (in Ontario)
3. Intellectual Property/Product Commercialization (Global)

Challenges

1. Policy Challenges (Provincial & Federal)
2. Infrastructure Challenges (in Ontario)
3. Other

Solutions

1. R&D Project Proposals (Ontario-centric)
Industry-Academic Collaborations (TRL 1-6)

PHASE III: Innovation-focused policy analysis

Automotive Innovation Fund (AIF)

- 2009-Present: Analysis of Effectiveness
- Policy recommendations for 2016-onwards (federal)
- Policy recommendations for 2016-onwards (provincial)

Automotive Supplier Innovation Program (ASIP)

- 2015-Present: Analysis of Effectiveness
- Policy recommendations for 2016-onwards (federal)
- Policy recommendations for 2016-onwards (provincial)

NSERC Collaborative Research & Development Grants (CRD)

- Past Analysis of Effectiveness
- Policy recommendations for 2016-onwards (federal)