



University  
of Windsor



UNIVERSITY OF  
WATERLOO

# International Crashworthiness Symposium

Novel Lightweight Automotive Materials and Structures for  
Advanced Crashworthiness

Bringing together experts from industry and academia on  
*Lightweight Vehicular Crashworthiness*

- Expert presentations
- FREE registration to attend the event



Centre for Engineering Innovation (Room 1100 CEI)  
University of Windsor, Windsor, Ontario, Canada  
Monday, April 11<sup>th</sup> 2016, 8:45am  
Register your attendance or for more info  
call (519) 253-3000 x2619 or e-mail [crash@uwindsor.ca](mailto:crash@uwindsor.ca)

**International Crashworthiness Symposium, April 11<sup>th</sup> 2016, University of Windsor**  
**Confirmed presentations and speakers as of March 2<sup>nd</sup> 2016**

<i>Presentation Title</i>	<i>Speaker</i>
Trends for future cars – energy efficient and light, safe, sustainable and connected	Horst Friedrich, Institute of Vehicle Concepts, DLR, Germany
Next generation of advanced high strength steels for vehicle crash and lightweighting	Guofei Chen, US Steel Corp.
Tailored hot stamping and crash behaviour of ultra-high strength steel components	Cliff Butcher, University of Waterloo
Auto applications and crash CAE for high strength steels	Skye Malcolm/Jim Dykeman, Honda R&D Americas
Multi-Material Lightweight Vehicle (MMLV) Program	Tim Skszek, Magna International, USA
Anisotropic material behaviour of AA6061-T6 extrusions during large deformation and modeling of such phenomena	Morten Jensen, CertaSIM LLC
CAE Methodologies for predicting Performance of Advanced Steel and Aluminum in Crash Situations	Horst Lanzerath, Ford Research & Advanced Engineering, Germany
Crash performance of AA7075 aluminum alloy sheet formed at elevated temperature	Kaab Omer/Samuel Kim, University of Waterloo
Novel Cutting Deformation Modes of AA6061-T6 extrusions for superior crash performance	Shun Yi Jin, Ford Motor Company
Impact loading of aluminum foam filled braided stainless steel tubes	Ryan Smith, Schaeffler North America
Next Generation Car - Challenges and solutions for the crashworthiness of cars with alternative drive trains	Elmar Beeh, Institute of Vehicle Concepts, Germany
Polymer composites for vehicle lightweighting	Andy Hrymak, International Composites Research Centre/Fraunhofer Project Centre/Western University
Impact loading of long fibre technology carbon fibre/nylon composites	Matt Bondy, University of Windsor
Enabling the lightweight vehicle	Mark Kozdras/Hari Simha, CanmetMATERIALS
Funding for Industry-University Collaborative Research in Canada	Tibor Turi, Natural Science and Engineering Research Council (NSERC), Ontario Manager

Registration is free but must be completed in order to attend the event.

Please e-mail your name, affiliation, and complete contact details to [crash@uwindsor.ca](mailto:crash@uwindsor.ca) to register.