

## TRANSATLANTIC CONFERENCE – DAY 1

### Advanced Manufacturing and Lightweighting: Still Vision or Reality on the Fast Track?

#### *“Adoption of Additive Manufacturing for Lightweighting”*

**Monday, September 24, 2018 – McMaster Innovation Park - Hamilton, Ontario, Canada**

**Moderation: Soeren Striepe, MAGNA International**

#### AGENDA

- 8:00 AM**      **Registration**
- 9:00 AM**      **Welcome & Introduction**  
Dr. Ishwar K. Puri, Dean, Faculty of Engineering, McMaster University, Canada
- 9:15 AM**      **TraCLight: The Value of Transatlantic Cooperation**  
Wolfgang Schwarz, Transatlantic Cluster for Lightweighting (TraCLight), Germany
- 9:30 AM**      **KeyNote Speech “SEPT – Learning Factory Education and training for Industry 4.0”**  
Dr. Mo Elbestawi, McMaster University, Canada
- 10:15 AM**      **“AM Trends: Use of DED for the Manufacturing and Repair of Defective Titanium Parts”**  
Alexandre Bois-Brochu, Centre de Métallurgie du Québec (CMQ), Canada
- 11:00 AM**      Coffee Break
- 11:15 AM**      **“Laser Based Lightweight Solutions”**  
Nathan Harris, TRUMPF Inc., USA
- 11:45 AM**      **“Design and Production Tools for Additive Manufacturing”**  
Dr. Jon Ginn, ANSYS Inc., USA
- 12:15 AM**      Lunch Break & TraCLight Networking / Poster Exhibition
- 1:15 PM**      **“NGen - Canada’s Advanced Manufacturing Supercluster”**  
Bruce Wallace, Next Generation Manufacturing Canada
- 1:45 PM**      **“Metal 3D-Printing in a Holistic Process Chain”**  
Dr. Sven Donisi, Rosswag GmbH, Germany
- 2:15 PM**      **“In-situ Synthesis of Self-Lubricated SiCp/Al MMC-  
Metal Matrix Composite Coating by Laser AM”**  
Dr. James Chen, CanmetMATERIALS, Natural Resources Canada
- 2:45 PM**      **“Microcredentials and Digital Badges”**  
Dr. Dan Centea/Dr. Florent Lefevre-Schlick, McMaster University, Canada
- 3:00 PM**      Coffee Break
- 3:15 PM**      **Panel Discussion / Q&A Session**  
All Presenters, Moderation: Soeren Striepe, Magna / Wolfgang Schwarz, TraCLight
- 4:30 PM**      **Lab Tour “Learning Factory McMaster University”**
- 5:15 PM**      End of Conference
- 6:00 PM**      **TraCLight Reception, Atrium @ McMaster Innovation Park**  
Networking, Drinks and Snacks

## TRANSATLANTIC CONFERENCE – DAY 2

### Advanced Manufacturing and Lightweighting: Still Vision or Reality on the Fast Track?

*“Exploitation of Multi Material Design for Efficient Lightweighting Application”*

*Tuesday, September 25, 2018 – McMaster Innovation Park - Hamilton, Ontario, Canada*

*Moderation: Tim Valters, Surteco Americas Plastics Division*

#### AGENDA

- 8:00 AM**      **Registration**
- 9:00 AM**      **Welcome & Introduction**  
John Marshall, Assistant Deputy Minister Commercialization and Scale-ups Division  
Ministry of Economic Development, Job Creation and Trade, Toronto, Ontario, Canada
- 9:15 AM**      **TraCLight: Transatlantic Cluster Cooperation and Projects**  
Wolfgang Schwarz, Transatlantic Cluster for Lightweighting (TraCLight), Germany
- 9:30 AM**      **KeyNote Speech**  
Dr. Tom Murad, Country Lead – Engineering, Technology & Academic Relations Siemens  
Canada Limited, Canada
- 10:15 AM**      **“Potentials of Multi-Material-Sandwich Structures for Future Automotive Applications”**  
Dr. Elmar Beeh, German Aerospace Center, Germany
- 11:00 AM      Coffee Break
- 11:15 AM**      **“Holistic Approach Applied to the Development of High-Performance Cutting Tools”**  
Christian Gauggel, Gühring KG, Germany
- 11:45 AM**      **“QuattroClean – Advanced Industry 4.0 Ready Cleaning Technology”**  
Jonas Gude, acp - advanced clean production GmbH, Germany
- 12:15 PM      Lunch Break & TraCLight Networking / Poster Exhibition
- 1:15 PM**      **“A New Milestone in Carbon Fiber Sheet Molding Compound”**  
Arun Duraisamy, Western University, Canada
- 1:45 PM**      **“Multi Material Design in Digital Manufacturing”**  
Dr. Hatem Zurob, McMaster University, Canada
- 2:15 PM**      **“Techniques in Joining Composite”**  
Fadi Saliby, Bossard, Canada
- 2:45 PM**      **“Multiscale Modeling of Composite Materials for Lightweight Structures”**  
Dr. Vincent Iacobellis, ARL-MLS/University of Toronto, Canada
- 3:15 PM      Coffee Break
- 3:30 PM**      **“Transatlantic Projects and Funding”**  
Rebecca Bourque, Mitacs, Canada
- 3:45 PM**      **Transatlantic Project Brainstorming Session & Discussion**  
All Presenters, Moderation: Wolfgang Schwarz, TraCLight / Elmar Beeh, DLR
- 4:15 PM**      **Q&A Session**
- 4:30 PM**      **Lab Tour “McMaster Manufacturing Research Institute and Canadian Center for  
Electron Microscopy”**
- 5:15 PM      End of Conference