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 Centeia/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**

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