



TraC Light

Transatlantic Cluster for Lightweighting

INTERNATIONAL WORKSHOP

Additive Manufacturing: Ready for the Future?
Innovative Solutions for Lightweight Design
and Digital Manufacturing

- **September 28, 2017**
- **Waterloo, Canada**

PARTNER



In cooperation with the University of Waterloo the Transatlantic Cluster for Lightweighting (TraCLight) invites Canadian, US and German companies and research institutions to initiate a transatlantic dialogue of future additive manufacturing (AM) solutions. The workshop will provide innovative technical insights on AM and discuss future visions of commercial applications.

EOS North America, technology and market leader for design-driven industrial 3D printing, Fraunhofer Germany, one of the key AM research institutions worldwide, as well as Rosswag Engineering, a pioneer of AM applications in Germany, will present their views on commercialization and attractive use cases.

Additive Manufacturing: Ready for the Future? Innovative Solutions for Lightweight Design and Digital Manufacturing

DATE: Thursday, September 28, 2017
TIME: 9:30 am – 3:30 pm
LOCATION: University of Waterloo
Building Engineering E5, Room 2004
200 University Avenue West
Waterloo, ON, N2L3G1, Canada

Register today! The workshop is being offered at no cost. Please also note that there is a limited number of seats available. Registrations will be served on a first in basis.

For your binding registration please contact **Stephanie Hofmann** directly via email at stephanie.hofmann@leichtbau-bw.de until **September 20, 2017**. You will receive detailed workshop information after your registration.

For further information visit www.traclight-cluster.com

AGENDA

9:00 am Registration

9:30 am Welcome & Keynote

Dr. Ehsan Toyserkani / Wolfgang Schwarz

10:15 am Improving the Business Case for AM by Part Selection Methodologies

Tyson Gregory

10:45 am Design Guidelines for AM

Dr.-Ing. Bernhard Müller

11:15 am Metal AM in a Holistic Process Chain

Dr. Sven Donisi

11:45 am Lunch Break & TraCLight Networking

12:30 pm Workshop 1 “Hybrid Structures: Functional Integration with AM”

Austin Isaacs

Workshop 2 „Enhanced Tooling via Metal AM for Volume Production“

Dr. Sven Donisi / Gregor Graf

1:30 pm Workshop 3 “Conformal Cooling with AM”

Dr.-Ing. Bernhard Müller

Workshop 4 “Lightweight Design Using Cellular and Lattice Design Structures and High-Performance Materials”

Dr. Ehsan Toyserkani / Dr. Mihaela Vlasea

2:30 pm Coffee Break & TraCLight Networking

2:45 pm Workshop Summaries & Plenum Discussion

3:30 pm MSAM Lab Tour (optional)

Please also join the conversation on our interactive TraCLight platforms and use **#FutureAM #TraCLight**.



SPEAKERS & MODERATORS

- › **Donisi, Dr. Sven**, Managing Director, Rosswag GmbH, Germany
- › **Graf, Gregor**, Senior Engineer, Rosswag GmbH, Germany
- › **Gregory, Tyson**, Additive Minds Engineer, EOS North America, USA
- › **Isaacs, Austin**, Additive Minds Engineer, EOS North America, USA
- › **Kloeden, Dr. rer. nat. Burghardt**, Group Manager Additive Manufacturing – Electron Beam Melting, Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Germany
- › **Müller, Dr.-Ing. Bernhard**, Head of Department “Additive Manufacturing”, Fraunhofer Institute for Machine Tools and Forming Technology IWU, Germany
- › **Schwarz, Wolfgang**, Project Manager Transatlantic Cluster for Lightweighting (TraCLight), Development Agency for Lightweighting Baden-Württemberg, Germany
- › **Toyserkani, Dr. Ehsan**, University Research Chair in Additive Manufacturing and Director of Multi-Scale Additive Manufacturing Lab (MSAM), University of Waterloo, Canada
- › **Vlasea, Dr. Mihaela**, Assistant Professor and Associate Director of Multi-Scale Additive Manufacturing Lab, University of Waterloo

YOUR CONTACT FOR TRACLIGHT

Wolfgang Schwarz

Projectmanager TraCLight

E wolfgang.schwarz@leichtbau-bw.de

P +49 151 65253016

Stephanie Hofmann

Marketing Manager

E stephanie.hofmann@leichtbau-bw.de

P +49 711 12898848



For further information:

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