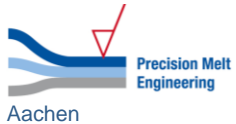


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Fees

Included are the proceedings and the social event.

Registration "Early Bird" until March 31, 2020:

	<i>excl. VAT</i>	<i>incl. 19% VAT</i>
Full participation	168,06 €	200,00 €
One day participation	100,84 €	120,00 €

Registration "Regular" until May 15, 2020 and registration "On-Site":

	<i>excl. VAT</i>	<i>incl. 19% VAT</i>
Full participation	210,08 €	250,00 €
One day participation	126,05 €	150,00 €

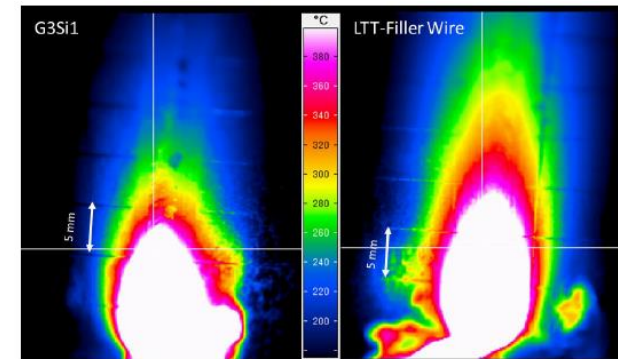
Venue

RWTH Aachen University – SuperC
Templergraben 57
52062 Aachen
Germany



EMPORIA 2020

International Joint Conference



Enhanced Material and Part
Optimization and Process
Intensification

EMPORIA 2020

Aachen, May 19-20, 2020
www.emporia2020.de

EMPORIA

2020

Conference Scope

Enhanced Material and Part Optimization and Process Intensification – **EMPORIA** is an International Joint Conference of and organized by SFB1120 Aachen, SFB814 Erlangen and CCE Darmstadt.

The **EMPORIA** is the perfect platform for efficient knowledge transfer in the field of materials processing and their applications.

The **EMPORIA** is devoted to scientific presentations on the latest research results. Following the common code of good scientific practice the presentations shall be complete, comprehensible, and verifiable. All contributions for the **EMPORIA** will undergo a review process by the Scientific Committee.

The **EMPORIA** focuses on the latest developments as well as future trends in the field of materials processing. The conference topics address anyone who is interested in the potential of manufacturing in theory and application.

It is the aim of the **EMPORIA** to bring together international experts from research and industry in order to match scientific advances and economic needs for mutual benefit.

We invite you to join the **EMPORIA** and be a part of our international community sharing ideas in inspiring talks and discussions.

Aachen/Darmstadt/Erlangen, September 2019

Uwe Reisgen
(General Chair EMPORIA)

Conference Topics

- Welding/Brazing/Cutting/Coating
- Casting/Molding
- Additive Manufacturing
- Polymers and Metals
- Functional Materials
- Simulation and Optimization Techniques
- Multiphase Flows
- Structural Mechanics

Invited Talks

Dierk Raabe, MPI Düsseldorf
Designing alloys for optimal microstructures and properties out of the liquid solid-transformation

Peter Pirklbauer, Airbus

David Bourell, University of Texas at Austin
Evolution of Additive Manufacturing

Dominik Rietzel, BMW AG
Additive Manufacturing on the Road – bringing science to the streets

Philip Cardiff, University College Dublin
Three decades of the finite volume method for solid mechanics

Harald Ehrentraut, Freudenberg
Simulation of Molding Processes in the Rubber Industry – Current Challenges and Progress in Material Modeling

Social Event

An evening reception will take place on Tuesday, May 19, 2020. Participation is included in the conference fee, registration is required.

Submission of Contributions

November 25, 2019 UTC +01:00 Berlin 23:59
150 words abstract deadline

Abstracts must be uploaded via www.emporia2020.de

1. Length: up to 150 words
2. Language: English
3. Use ConfTool

The following information must be included:

1. Author(s)
2. Full address for correspondence
3. Title of paper
4. Keywords (see conference topics)

All submitted abstracts are reviewed by the Scientific Committee.

February 3, 2020

Acceptance decision note

Accepted papers have to be presented orally at the **EMPORIA**.

The template available on www.emporia2020.de must be used for the proceeding contribution.

April 14, 2020

Two to ten pages proceedings deadline

Paper must be uploaded via www.emporia2020.de

Conference Proceedings

The conference proceedings of the **EMPORIA** will be published on a memory stick.

Editors

U. Reisgen, RWTH Aachen University, ISF, Germany
D. Drummer, University of Erlangen-Nürnberg, LKT, Germany
H. Marschall, TU Darmstadt, MMA, Germany