**Venue & Settings**

**Welcome to the Horse Capital of the World!®**

The 16th GCSM will be held in Lexington, KY which is home to the University of Kentucky, the largest and only Carnegie Foundation Research 1 Land Grant University in the state with a student population that exceeds 30,000. The University of Kentucky’s Institute for Sustainable Manufacturing (ISM) is world renowned as a center of excellence for sustainable manufacturing that brings together a multi-disciplinary team of faculty who conduct cutting-edge research in sustainable manufacturing.

Kentucky has a growing manufacturing sector with automotive and aerospace manufacturing accounting for the largest exports from the state. The state is also home to the largest Toyota plant in the world and almost two-thirds of the counties in the state have an automotive-related employer.

Lexington, surrounded by rolling hills and horse farms in the heart of Kentucky’s Bluegrass Region, is known as the **Horse Capital of the World®**. The city lies on Kentucky’s Bourbon Trail that is dotted with numerous distilleries, old and new. The lush landscape turns golden during the Autumn making Lexington and the surrounding region a spectacular sight that must be experienced.

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**Contact**

**Founding Chair:**

Prof. Dr.-Ing. Günther Seliger

**Conference Chair:**

Prof. Dr. I.S. Jawahir

**Conference Co-Chairs:**

Prof. Dr. Fazleena Badurdeen

Prof. Dr.-Ing. Holger Kohl

For requests regarding the payment process or accommodation please contact:

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For all other requests please contact:
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**16th Global Conference on Sustainable Manufacturing**

October 2 - 4, 2018
Lexington Convention Center
Lexington KY, USA

Sponsored by CIRP,
International Academy for Production Engineering

www.gcsm.eu
The Institute for Sustainable Manufacturing at the University of Kentucky, together with the Technical University of Berlin, and Fraunhofer IPK, cordially invites you to the 16th Global Conference on Sustainable Manufacturing (GCSM) in Lexington KY, USA.

GCSM serves as a forum for academics, researchers, and specialists from international universities, research institutes and industry working on topics related to sustainable manufacturing to share research advances and engage in intellectual dialogue. The conference will include keynote presentations by prominent researchers and industry leaders, panel discussions, parallel technical sessions, and poster presentations on current and emerging topics relevant to advancing sustainable manufacturing for Global Circular Economy.

We look forward to welcoming you to Lexington, KY for the 16th GCSM.

Best regards,

Günther Seliger, I.S. Jawahir, F. Badurdeen, Holger Kohl

### Deadlines

- **March 12, 2018**: Abstract submission
- **March 19, 2018**: Notification of abstract acceptance/rejection
- **May 7, 2018**: Full paper submission
- **June 30, 2018**: Notification of full paper acceptance/rejection
- **July 16, 2018**: Final manuscript submission

### Registration & Fees

- **Early bird**: $550 Before July 27, 2018
- **Regular participant**: $600 Before Aug 31, 2018
- **On-site**: $650 After Aug 31, 2018
- **Workshop registration (Optional, see website)**: $200 Before Sep 24, 2018

### Topics

**Sustainable Products**
- Product (re)design for Circular Economy
- Product recovery, reuse and remanufacturing
- Product life cycle, information and knowledge management
- Product service systems

**Sustainable Manufacturing Processes**
- Manufacturing processes, tools and equipment
- Energy and resource efficiency
- Resource utilization and waste reduction
- Maintenance, service, repair and overhaul of manufacturing machines and equipment

**Sustainable Manufacturing Systems**
- Manufacturing system design
- Production planning, scheduling and control
- Sustainable reconfigurable manufacturing systems
- Sustainable supply chains

**Crosscutting Topics in Sustainable Manufacturing**
- Sustainable value creation
- Strategies and business models
- Industry 4.0 and sustainable manufacturing
- Metrics for sustainable manufacturing (Product, Process, Systems)
- Education and workforce development

All accepted papers will be published as open access in Procedia Manufacturing
(www.journals.elsevier.com/procedia-manufacturing)