



## VENUE

The 11th GCSM will take place at the Production Technology Centre (PTZ) in Berlin. The centre combines the competencies of both the Institute for Machine Tools and Factory Management of TU Berlin IWF and the Fraunhofer-Institute for Production Systems and Design Technology IPK. The PTZ's focus is technology and management in industrial value creation. This covers modern solutions and innovations based on a long tradition in manufacturing technology. In order to solve the major sustainability challenges of the 21st century, the Institutes' activities are progressively expanding to relevant emerging areas, e.g. renewable energy supply, resource cycle oriented technology and circular economy. Those efforts sum up in the Collaborative Research Centre "Sustainable Manufacturing – Shaping Global Value Creation", supported by the German Research Foundation (DFG).

The 11th GCSM will overlap with the PTK 2013 Conference ([www.efficient-factories.com](http://www.efficient-factories.com)), which will provide in-depth technological answers to many of the questions raised more generally at the GCSM. The PTK is a well established industry-oriented conference on manufacturing innovation held on 25th - 26th September 2013 at PTZ.

### Chairman:

**Prof. Dr.-Ing. Günther Seliger**

### Contact:

**MSc. BEng. Sadiq AbdElall**

Technische Universität Berlin

Department for Assembly Technology and  
Factory Management

Office PTZ 2

Pascalstr. 8-9

10587 Berlin - Germany

Tel.: +49 30 314-25117

Fax: +49 30 314-22759

E-Mail: [gcsm@mf.tu-berlin.de](mailto:gcsm@mf.tu-berlin.de)

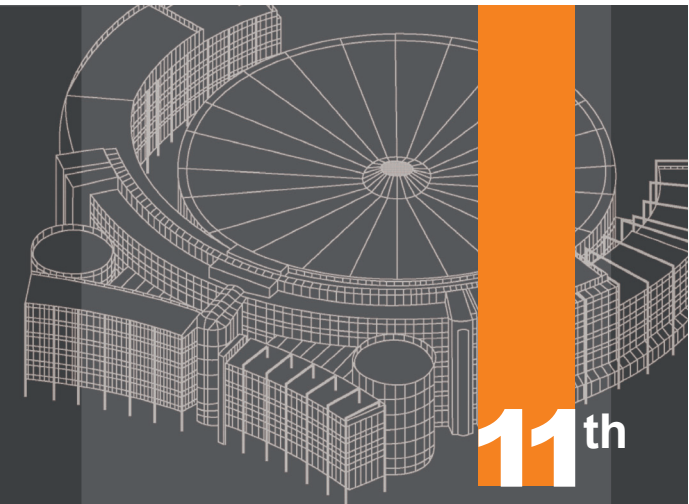
Website: [www.gcsm.eu](http://www.gcsm.eu)



INSTITUT  
WERKZEUGMASCHINEN UND FABRIKBETRIEB  
TECHNISCHE UNIVERSITÄT BERLIN



INSTITUT  
PRODUKTIONSANLAGEN UND  
KONSTRUKTIONSTECHNIK



# 11<sup>th</sup>

## Global Conference on Sustainable Manufacturing

### Innovative Solutions



23rd - 25th September 2013  
Berlin, Germany



Sponsored by CIRP – International  
Academy for Production Engineering



## 11<sup>TH</sup> GCSM

Our everyday life is encompassed and structured by global value creation processes. Manufacturing is closely linked to sustainability issues. Industrial production requires a lot of resources and is responsible for about one third of the global CO<sub>2</sub> emissions. However, due to its high impact on our way of living, it also has the opportunity to steer global development. The Collaborative Research Centre “Sustainable Manufacturing – Shaping Global Value Creation” explores how the dynamics of global competition and cooperation can be utilized for lending wings to processes of innovation and mediation towards the reasonably demanded sustainability of our globe.

The Global Conference on Sustainable Manufacturing (GCSM) has been established in 2003 in order to bring together science and industry once a year to share new approaches and solutions for this common goal. The 11th GCSM on innovative solutions for sustainable manufacturing will be held in Berlin, capital of the “land of innovation” Germany, on 23rd - 25th September 2013. It will be hosted by Technische Universität Berlin.



## TOPICS

- Value creation by sustainable manufacturing
- Product design for resource efficiency and effectiveness
- Manufacturing process and equipment
- Life Cycle Engineering and assessment
- Maintenance, repair and overhaul
- Remanufacturing, reuse and recycling
- Sustainability as a service
- Green supply chain and transportation
- Information and communication technologies for sustainability
- Sustainability assessment and optimization
- Innovative energy conversion
- Renewable energy initiatives
- Water resource management for sustainability
- Qualification for sustainability engineering
- Adequate environments for entrepreneurial initiatives
- Awareness for sustainability in public, government and economics
- Case studies in implementing various aspects of sustainable manufacturing

## Deadlines

**04.02.2013:** Deadline for abstract submission

**25.02.2013:** Notification of abstract acceptance/rejection

**22.04.2013:** Deadline for full paper submission

**24.06.2013:** Notification of full paper acceptance/rejection and deadline for registration

**08.07.2013:** Deadline for the final manuscript submission

## Registration fees

early bird:	<b>450€</b>	before 03.03.13
regular participant:	<b>550€</b>	before 23.08.13
late registration:	<b>650€</b>	after 23.08.13
bachelor/master students:	<b>150€</b>	