

## Workshops and Forums in the Scientific month November 2015 at Hochschule Mittweida

2015-11-16/17	Media forum Mittweida
2015-11-17	2nd Udo Steinberg Symposium
2015-11-19	IWOOTI-Workshop
2015-11-19/20	9th Laser Conference Mittweida
scheduled	16th Informatics Day

### Details - Schedule - Fees

Languages of the Conference

german / english

Lectures / Poster

Publication of abstracts at the Conference page

Publication of presentation at the „Scientific Reports“ of the Hochschule Mittweida

Detailed Informations

[www.hs-mittweida.de/tagungen](http://www.hs-mittweida.de/tagungen)

### Deadlines for authors and exhibitors

<b>2015-06-15</b>	<b>Deadline for submission of abstracts</b>
<b>2015-07-10</b>	<b>Confirmation of the presentation</b>
<b>2015-09-15</b>	<b>Submission of papers for publication in “Scientific Reports”</b>
<b>2015-10-30</b>	<b>Registration deadline for Conference and Career and Industrial Day</b>

### Conference fees

Participants: 150 €

(incl. conference participation, scientific report, catering, get together )

Reduced fee with registration untill 2015-09-15: 120 €

Speakers (1 Speaker per lecture) 75 €

For students the conference is free. Students can get the proceedings of the conference if they present an own poster about a research project.

### Conference schedule:

2015-11-19	10.00	Plenary session
	13.30	Poster presentation
	14.00	Sessions and workshops
	19.00	Get together
2015-11-20	09.00	Sessions and workshops,
	10.00	Career and Industrial Day
	18.00	End

## Registration - Organisation:

Hochschule Mittweida  
University of Applied Sciences  
Prorektorat Forschung  
Postfach 1457  
09644 Mittweida



E-Mail: [iwkm@hs-mittweida.de](mailto:iwkm@hs-mittweida.de)  
Internet: [www.hs-mittweida.de/tagungen](http://www.hs-mittweida.de/tagungen)

### Conference Office

Sensorikzentrum Mittelsachsen e.V.  
Tel.: +49 3727 58 1070 - 58 1110 Fax: +49 3727 58 1169

### Career and Industrial Day

Registration and Information  
Institut für Technologie- und Wissenstransfer  
Tel.: +49 3727 58 1805 Fax: +49 3727 58 1217

### 9th Laser Conference Mittweida

Registration and Information  
Laserinstitut Mittelsachsen e.V.  
Tel.: +49 3727 58 1573 Fax: +49 3727 58 1496

## Getting there and Accommodation:

- Airport Dresden or Leipzig
- Train Chemnitz- Berlin
- Car

More details for traveling are available at [www.hs-mittweida.de/tagungen](http://www.hs-mittweida.de/tagungen)  
Accommodation in Mittweida and the region are available at: [www.hs-mittweida.de/tagungen](http://www.hs-mittweida.de/tagungen)



HOCHSCHULE  
MITTWEIDA  
UNIVERSITY OF  
APPLIED SCIENCES



International Scientific Conference Mittweida



24th ISCM 2015  
**Call for Papers**  
Mechanical Engineering  
Laser Technologies  
Industry 4.0

November 19-20, 2015

## Welcome

The University of Applied Sciences Mittweida invites you to attend the 24th International Scientific Conference at Mittweida (ISCM) from 19th to 20th of November 2015. This year the Conference focuses on

### Mechanical Engineering

#### Laser Technologies

#### Industry 4.0

The aim for economic production within ecological constraints needs complete and thorough review. The development of new technologies requires interdisciplinary cooperation to succeed.

With contributions from leading representatives from industry and science, the 24th ISCM will present the existing state of research and best practices as well as opportunities for technology transfer into industrial manufacturing practice. This conference provides an excellent opportunity to present one's own research and to become informed of the latest new research developments.

Due to the diverse group of participants, there will be opportunities to exchange information with other scientists, technologists, and also manufacturers. The gathering of participants from both science and industry will promote interdisciplinary research and the formation of networks and cooperation. Since 1971 this successful concept has been carried out and based on dialog between academia and business. The framework of the 24th ICSM program provides the participants with the opportunity to learn about the services offered by the University of Applied Sciences, Mittweida and its associated facilities. The concurrent Mittweidaer Career and Industrial Day will be a platform for personal contact with students, alumni, staff, and university professors and provide the opportunity for you to present your company to target groups.

We hope the 24th ISCM will provide the venue and stimulus for participants to devise successful future research activities. The Conference Office and the Organization Committee will make every effort to ensure that your participation will be successful and enjoyable.

We are pleased to welcome you as a speaker or participant to Mittweida.

Prof. Dr.-Ing. habil. Gerhard Thiem  
Vice Rector of Research  
Conference Chair

## Programme Committee: (inquired)

Exner, Horst - Hochschule Mittweida

Finkemeyer, Bernd - Fachhochschule Kiel

Fischer, Andreas - Hochschule Mittweida

Gebhardt, Gerhardt - Hochschule Mittweida

Goldhahn, Leif - Hochschule Mittweida

Hahn, Frank - Hochschule Mittweida

Hartig, Ralf - Hochschule Mittweida

Hilmer, Ludwig - Hochschule Mittweida

Hiersemann, Rolf - Hiersemann Prozessautomation GmbH

Horn, Alexander - Hochschule Mittweida

Horoshenkov, Kirill - University of Sheffield, UK

Hübelt, Jörn - Hochschule Mittweida

Krabbes, Markus - HTWK Leipzig

Köster, Frank - Hochschule Mittweida

Kuric, Ivan - University of Zilina, SK

Lässig, Jörg - SITEC Industrietechnologie GmbH

Lewandowski, Josef - Techn. University of Lodz, PL

Liepack, Otfried - Jet Propulsion Laboratory, NASA, USA

Löschner, Udo - Hochschule Mittweida

Matuszek, Józef - University of Bielsko-Biala, PL

Müller, Frank - Hochschule Mittweida

Schlick, Christopher - RWTH Aachen

Schmucker, Ulrich - Fraunhofer IFF Magdeburg

Schulz, Detlef - Hochschule Mittweida

Skolud, Bozena - Silesian University of Technology, PL

Smyth, David - University of the West of Scotland, UK

Steiger, Bernhard - Hochschule Mittweida

Steinbach, Heidrun - ICM e.V. Chemnitz

Suchý, Jozef - University of Matej Bel, SK

Thiem, Gerhard - Hochschule Mittweida

Weißmantel, Steffen - Hochschule Mittweida

Winkler, Alexander - Hochschule Mittweida

Zäh, Michael - Technische Universität München

## Mittweida Conference group:

Matthias Baumgart

Annett Kober

Robby Ebert

Saskia Langhammer

Jana Gaudich

Heidmarie Rudolf

Birgit Heilemann-Saupe

Uwe Schneider

## Topics of the Conference:

### Process development 4.0

- Digital and Virtual Engineering for Manufacturing of Parts and Assembly
- Efficiency of Resources by Technology, Human and Organisation
- Robotics and Control Engineering
- Quality Management and Metrology

### Material- and Surface Engineering

- Modern Coating Technologies
- Functional Coatings and Coating systems
- Material innovations
- Test procedures for coated elements
- Failure analysis

### Laser Technologies

- Micro-/Nano Laser Technologies
- High Rate Laser Machining
- Modeling of Laser processing
- Innovations in Laser Technologies

### Methods of Noise reduction

- Academic/Technical backgrounds: absorbers, mufflers, packaging, shielding
- Applications in machinery and building acoustics

### Energy Efficiency

- Concepts for climate protection
- Power networks
- Power Management Systems