

Venue

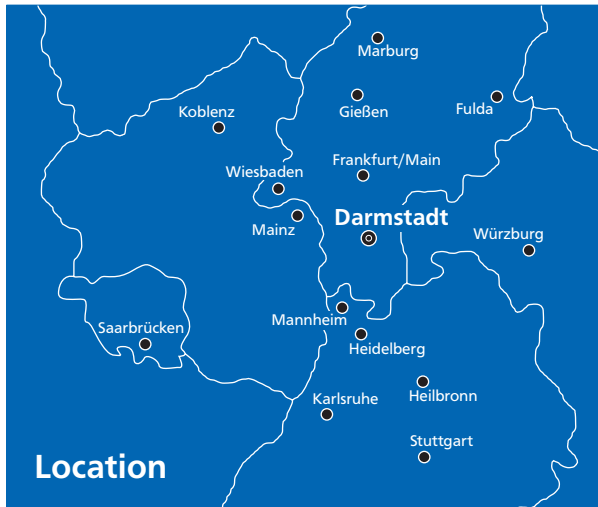
Darmstadt

Throughout the 19th and 20th centuries, Darmstadt became home to many technology companies and research institutes. The Technische Universität Darmstadt is one of the most important technical universities in Germany and is well-known for its research and teaching in the Electrical, Mechanical and Civil Engineering disciplines. Darmstadt's significance as a city of culture is mainly based on the Artists' Colony founded in 1901 by the city's last grand duke, Ernst Ludwig.

Darmstadt is located in the southern part of the Rhine Main Area and only 20 minutes away from Frankfurt International Airport. Many excellent hotels are available at the city center.

darmstadtium

The "darmstadtium" is a congress center created with the primary aim of serving the innovative powers of science and business as a meeting place for the exchange of ideas. The name "darmstadtium" is derived from the chemical element Darmstadtium, which was created for the first time in 1994 at the GSI Centre for Heavy Ion Research in Darmstadt.



Registration Fees

650,- EUR per person

750,- EUR per person

Till april 30, 2014

After april 30, 2014

Scientific Committee

Chairman

P. Groche, Germany

Members

A. Azushima, Japan

S. Bruschi, Italy

K. Dohda, USA

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N. Mahayotsanun, Thailand

Contact



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In collaboration with:

Deutsche Forschungsgemeinschaft
53170 Bonn | Germany



Technische Universität Darmstadt
Institute for Production Engineering
and Forming Machines
Otto-Berndt-Straße 2
64287 Darmstadt | Germany

Program



6th

International Conference
on Tribology in Manufacturing
Processes & Joining
by Plastic Deformation

June 22–24, 2014
Darmstadt, Germany

www.ictmp2014.com

Preface

The aim of this conference is to present latest developments in the research of tribological aspects in manufacturing processes. Therefore, subjects like lubrication, surface treatment, simulation or wear phenomena are in the scope of interest. In addition to the conferences held in Gifu, Nyborg, Yokohama, Nice and Notre Dame this conference also focuses on the integration of joining techniques into forming processes. The combination of joining and forming operations offers a favorable material utilization along with a high productivity. Since many researchers contributed to this field of research, the conference aims at summarizing recent developments. In addition to insights into current research in the field of tribology, the presentations include practical guidelines for solving tribological problems in an industrial environment.

Keynote speeches of Prof. Niels Bay, Prof. Ken-ichiro Mori, Prof. Kazuhiko Kitamura and Prof. Pierre Montmitonnet will introduce the conference topics. Three parallel sessions on two days, offer the possibility to gain a comprehensive look at a variety of current research outcomes. Altogether, the “6th International Conference on Tribology in Manufacturing Processes & Joining by Plastic Deformation” provides an international forum for scientists and practicing engineers from different disciplines to exchange their ideas and experiences.

On June 22, we invite all participants to a welcome reception from 17:00 to 19:00 at the “darmstadtium”. During the welcome reception and the evening event, you will have the opportunity to actively contribute to discussions with fellow participants in a relaxed atmosphere.

I am looking forward to welcoming you on June 22–24, 2014 in Darmstadt.



Prof. Dr.-Ing. Dipl.-Wirtsch.-Ing.
Peter Groche

Program | Monday, June 23, 2014

08:30–08:45	Opening Room “spectrum” 1.06 P. Groche
08:45–09:30	Keynote Room “spectrum” 1.06 N. Bay Off-Line Testing of Tribo-Systems for Sheetmetal Forming Production
09:30–10:00	Coffee Break
10:00–11:40	Session Room “spectrum” 1.06 Wear and Friction Testing Session Room “vanadium” 2.03 Metallurgical Joining Session Room “aurum” 2.07 Lubrication and Surface Treatments
11:40–12:40	Lunch Break
12:40–13:25	Keynote Room “spectrum” 1.06 K. Kitamura Combination of Plastic Upsetting Joining and Plastic Serration Joining of Disk and Shaft
13:25–13:40	Coffee Break
13:40–15:20	Session Room “spectrum” 1.06 Wear and Friction Testing Session Room “vanadium” 2.03 Metallurgical Joining Session Room “aurum” 2.07 Machining Operations
15:20–15:50	Coffee Break
15:50–17:30	Session Room “spectrum” 1.06 Industrial Presentations Session Room “vanadium” 2.03 Metallurgical Joining Session Room “aurum” 2.07 Machining Operations
19:00	Conference Dinner

Program | Tuesday, June 24, 2014

08:30–09:15	Keynote Room “spectrum” 1.06 K-i. Mori Joining by Plastic Deformation
09:15–09:35	Coffee Break
09:35–11:40	Session Room “spectrum” 1.06 Sheet Forming Session Room “vanadium” 2.03 Simulation of Joining Processes Session Room “aurum” 2.07 Lubrication and Surface Treatments
11:40–12:30	Lunch Break
12:30–13:15	Keynote Room “spectrum” 1.06 P. Montmitonnet 2D Roll Bite Model with Lubrication for Cold Strip Rolling
13:15–13:25	Coffee Break
13:25–15:05	Session Room “spectrum” 1.06 Sheet Forming Massive Forming Session Room “vanadium” 2.03 Mechanical Joining Session Room “aurum” 2.07 Industrial Presentations
15:05–15:35	Coffee Break
15:35–17:15	Session Room “spectrum” 1.06 Massive Forming Session Room “vanadium” 2.03 Mechanical Joining Session Room “aurum” 2.07 Industrial Presentations
17:15–17:30	Closing Next ICTMP
