

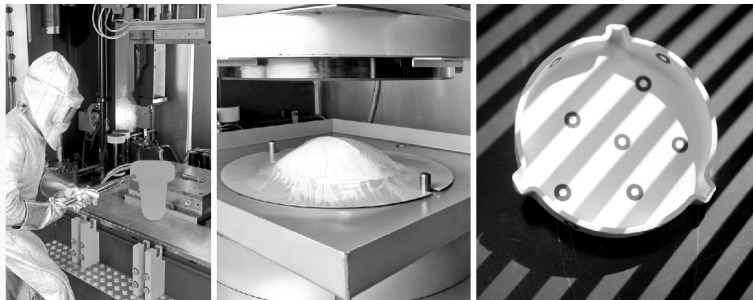
She Met 2015

16th

INTERNATIONAL CONFERENCE ON SHEET METAL

16-18 March 2015

call for papers



Introduction

The SheMet conference series was founded in 1993 and is to be held for the 16th time, from 2015, March 16th to 18th. It will be hosted for the 3rd time by the Institute Manufacturing Technology at the Friedrich-Alexander Universität Erlangen-Nürnberg (FAU).

Located in northern Bavaria, the FAU has more than 270 years of experience in research and education. The Department of Mechanical Engineering looks back on more than 30 successful years of research in manufacturing science. We invite you to present your results to the colleagues in your field at this traditional location in central Europe.

Objectives

The aim of this conference is to provide an interdisciplinary platform, encouraging the close cooperation between material scientists, technologists, manufacturing engineers and computer scientists working at universities or in the industry.

Researchers, academics and industrialists are invited to discuss and promote early dissemination of research results and technology transfer in all areas of sheet metal processing and characterisation. The conference will provide the opportunity for those, working on experimental research as well as those involved in analytical and finite element modelling to present their work to an international audience.

Application and Further Information

Please use the online-registration on the conference website www.shemet.org/2015/ when it is activated.

If you have any questions or need any kind of support concerning the SheMet conference, please feel free to contact the conference office. Up to date information concerning SheMet 2015 will be provided on the conference website.

Scope of the Conference

Authors from industry, university and research laboratories are invited to present papers with new research results. Papers dealing with the following topics within the field of sheet metal will be considered:

Cutting

Blanking, punching, stamping, cropping.

Forming

Drawing, strip and wire drawing, deep drawing, sheet bending, explosive forming, hydro-forming, tube forming, coil production, super plastic forming, hot stamping, sheet-bulk metal forming.

Intelligent Manufacturing

Maintenance, NDT/NDE, process control, control of tool wear, diagnostic techniques, vision, ultrasonic.

Joining

Laser beam welding, other welding methods, adhesive bonding.

Life Cycle Aspects

Environmental issues, sustainable technologies, product information structures, DFX, recycling.

Manufacturing Systems

Intelligent processing of materials, sensing and control of manufacturing processes, CAD/CAM Systems, logistics, production management.

Materials and Testing

Ferrous and non-ferrous materials, high performance materials, composites, foams, material testing, tailored products.

Micro Technologies

Theory of plasticity, physical modelling, micro processes.

Modelling Techniques

Analytical modelling, constitutive models, FEM, BEM, physical modelling.

Scope of the Conference

Presses and press tools

Design, protective measures, construction, materials, lubricants, robotics, progressive tooling, compound and combination dies.

Process and Production Planning

Strategies, methods, computer support, cost calculation.

Quality and Reliability

International standards, tolerances, metrology, SPC, quality management, TQM.

Surface conditioning

Surface treatment of strips, design considerations for fabrication of pre-treated/coated materials.

Additional information on scope of the conference will be presented on the conference website.

Submission of Papers

Authors wishing to submit papers asked to upload an abstract (not more than 2000 characters including white spaces) at www.shemet.org/2015
Abstract Submission by 2014, September 12th

Suitability of the abstracts will be confirmed until
2014, September 26th

Full camera ready papers have to be submitted before
2014, October 10th. These papers will be reviewed by the Advisory Boards.

The conference language will be English.

Additional information on dates and instructions for authors will be made available on the conference website.

The proceedings of SheMet 2015 will be published as a special issue of Trans Tech Publications periodical journal Key Engineering Materials, which is fully available online. The Journal is indexed in SCOPUS (www.scopus.com) and many others.

Organising Committee

Prof. M. Merklein	FAU, D
Prof. J. Duflou	Katholieke Universiteit Leuven, B
Dr. A. Leacock	University of Ulster, UK
Prof. F. Micari	University of Palermo, I
PD Dr. H. Hagenah	FAU, D



University of Erlangen-Nürnberg



Katholieke Universiteit Leuven



University of Ulster



University of Palermo

Scientific Advisory Board

The Scientific Advisory Board 2015 has more than thirty persons from number of countries in Europe and Asia until now. For example: Belgium, France, Germany, Italy, Japan, The Netherlands, Romania, and United Kingdom. Detailed information about the Scientific Advisory Board can be found on the conference website (Committees).

Industrial Advisory Board

Dr. H. Arnet	Schaeffler Technologies GmbH & Co. KG, D
Dr. J. Brecht	Mubea Tailor Rolled Blanks GmbH, D
Dr. H. Gese	MATFEM, D
Mr. A. Haufe	Dynamore GmbH, D
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Mr. K. Löffler	TRUMPF GmbH, D
Dr. S. Schulte	AUDI AG, D
Prof. P. Weidinger	Brose, D
Mr. M. Wohlmuth	Simufact Engineering GmbH, D

Venue

The conference will be held on the campus of the Friedrich-Alexander-Universität Erlangen-Nürnberg. The venue can be reached easily from the motorway (A3), the railway station (Erlangen) or the airport (Nuremberg).

Conference Office

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Conference Fees

Registration until **2015, January 31st**

Participant € 600

Registration after **2015, January 31st**

Participant € 700

The fees are including the conference proceedings, lunches and coffee breaks during the conference/the day, the casual reception and the conference dinner.

www.shemet.org/2015/