1st CALL FOR PAPERS

Metal Forming 2018

17th International Conference on Metal Forming
September 16-19, 2018, Loisir Hotel Toyohashi, Toyohashi, Japan
http://plast.me.tut.ac.jp/metalforming2018/

Chairs: K. Mori, Y. Abe, T. Maeno, D. Szepiga, K. Muszka, L. Fratini, F. Micari

The objective of Metal Forming 2018 is to provide a forum for presentations of theoretical, experimental and industrial achievements in metal forming processes. The conference will give an opportunity for scientists and engineers to discuss the results of recent research and technological developments in this area.

Topics

Processes
- Rolling
- Forging
- Extrusion
- Drawing
- Sheet metal forming
- Deep drawing
- Bending
- Hydroforming
- Tube forming
- High energy & explosive forming
- Powder forming
- Super-plastic forming
- Semi-solid forming
- Micro- and nano-forming
- Incremental forming
- Joining
- Cutting

Deformation Mechanics
- Plasticity theory
- Constitutive models
- Defects and damage
- Formability
- Anisotropy
- Thermomechanical modelling
- Microstructural modelling
- Friction and lubrication

Process and System Modelling
- Analytical techniques
- Finite element methods
- Implicit/explicit formulations

- Multiscale modelling
- Inverse analysis
- CAD/CAM/CAE systems
- AI techniques
- Optimisation approaches
- Control of processes
- Tooling
- Sensing
- Additive manufacturing

Materials
- Ferrous and non-ferrous metals
- High performance metals
- Porous metals
- Composites
- Polymers

Paper Submission

Prospective authors are invited to submit an abstract of one A4 page in English together with the completed pre-registration form by October 31, 2017 to e-mail: metalforming@plast.me.tut.ac.jp. Abstracts should outline the main features, results, figures and conclusions of the work. Final manuscripts must be prepared in English according to typing instructions, which will be supplied by the publisher. Submitted papers will be reviewed by members of the International Scientific Committee and, if accepted, published from "Procedia Manufacturing” in Elsevier. In addition, the Scientific Committee will select authors for invitation to submit an extended version of their conference paper to the journal "Manufacturing Review".

Important Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 31, 2017</td>
<td>Submission of one A4 page abstract</td>
</tr>
<tr>
<td>December 25, 2017</td>
<td>Notification of abstract acceptance</td>
</tr>
<tr>
<td>February 28, 2018</td>
<td>Submission of full paper</td>
</tr>
<tr>
<td>May 31, 2018</td>
<td>Notification of paper acceptance</td>
</tr>
<tr>
<td>June 15, 2018</td>
<td>Deadline for author payment</td>
</tr>
</tbody>
</table>

Correspondence

Professor Ken-ichiro Mori
Department of Mechanical Engineering, Toyohashi University of Technology, Toyohashi, Japan
Fax.: +81-532-44-6690
Email: metalforming@plast.me.tut.ac.jp

Toyohashi University
of Technology
Toyohashi, Japan

AGH University of
Science and Technology
Kraków, Poland

University of Palermo
Palermo, Italy