CALL FOR PAPERS
Metal Forming 2010
13th International Conference on Metal Forming
September 19-22, 2010. Hotel Nikko Toyohashi, Toyohashi, Japan
http://plast.pse.tut.ac.jp/metalforming/
Chairmen: K. Mori, M. Pietrzyk, P. Hartley, J. Kusiak, J. Majta and J. Lin

The objective of the Metal Forming 2010 is to provide a forum for presentations of theoretical, experimental and industrial achievements in metal forming. The Conference will give an opportunity for scientists and engineers to discuss the results of recent research and technological developments in this important area. General sessions related to the following topics are planned.

**Topics**

**Processes**
- Rolling
- Forging
- Extrusion and drawing
- Tube manufacturing and forming
- Sheet metal forming
- Shearing and cutting
- Plastic joining
- Micro forming and MEMS
- Other special forming processes

**Materials**
- Ferrous and non-ferrous metals
- Porous metals and powders
- Composites and multi-layer metals

**Deformation Mechanics**
- Theory of plasticity
- Constitutive models
- Formability, defects and damage
- Thermomechanical modelling
- Evolution of microstructure
- Friction
- Environmental aspects of metal forming

**Numerical Modelling**
- Analytical techniques
- Finite element and boundary element methods
- Multiscale modelling in metal forming
- Optimization of metal forming processes
- Application to forming processes

**Manufacturing Systems**
- Control of forming processes
- CAD/CAM and expert systems
- Applications of artificial intelligence
- Forming tools

**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 30, 2009 to e-mail: metalforming@plast.pse.tut.ac.jp. Abstracts should outline the main features, results, figures and conclusions of the work. One person is limited to one presentation, and the author or one of the co-authors must present the paper personally at Metal Forming 2010. Final manuscripts must be prepared in English according to typing instructions, which will be supplied by the publisher. The papers will be reviewed by members of the International Scientific Committee and, if accepted, published as a special volume of the journal "steel research international" (2007 impact factor: 0.345).

**Important Dates**
October 30, 2009 Submission of one A4 page abstract
December 25, 2009 Notification of abstract acceptance
March 15, 2010 Submission of full paper
June 15, 2010 Notification of paper acceptance
June 30, 2010 Deadline for author payment

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Scientific Committee

Y. Abe (Toyohashi University of Tech.)
J. Allwood (Cambridge University)
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J.-L. Chenot (CEMEF)
D. C. Farrugia (Corus Research)
M. Fukumoto (Toyohashi Univ. of Tech.)
J.-C. Gelin (ENSMM Besacon)
A.M. Habraken (Univ. of Liege)
G. Hirt (RWTH Aachen)
P. D. Hodgson (Deakin Univ.)
Y.-T. Im (KAIST)
M.S. Joun (Gyeongsang National Univ.)
R. Kawalla (TU Berakademie Freiberg)
A. Z. Kocanda (Politechnika Warszawska)
R. Kopp (RWTH Aachen)
A.S. Korhonen (Helsinki Univ. of Tech.)
T. Kuwabara (Tokyo Univ. of Agriculture and Tech.)
L. Lang (Beijing Univ. of Aeronautics & Astronautics)
J. Li (Huazhong Univ. of Science and Tech.)
J. Lord (National Physical Laboratory)
D. Lovell (Univ. of Wisconsin-Milwaukee)
J. Luksza (Akademia Gornicz-Hutnicza)
K. Manabe (Tokyo Metropolitan Univ.)
R. Matsumoto (Osaka Univ.)
F. Micari (Univ. of Palermo)
W. Zbigniew Misiorek (Lehigh Univ.)
P. Montmitonnet (CEMEF)
H. Miura (Kyushu Univ.)
K. Osakada (Osaka Univ.)
M. Otsu (Kumamoto Univ.)
P. Phelan (Univ. of Limerick)
Y. Qin (Univ. of Strathclyde)
G.-Y. Tzou (Kao Yuan Univ.)
H. Utsunomiya (Osaka Univ.)
R.H. Wagoner (Ohio State Univ.)
B. Wang (Univ. of Science and Tech. Beijing)
R.N. Wright (Rensselaer Polytechnic Institute)
F. Yoshida (Hiroshima Univ.)

Special Session and Organiser

The following special sessions are planned except for the general sessions for the topics described at the previous page, and the symbol of the special session is indicated in the Abstract Submission Form submitted for the presentations.

A: Advanced rolling technologies: H. Utsunomiya
B: Environments friendly forging of high strength special steel: M.-S. Joun
C: Advanced tube forming processes: K. Manabe
D: Cold and hot stamping of high strength steel sheets: F. Yoshida
E: Advances in sheet hydroforming processes: M. Bakhshi-Jooybari
F: Bi-metallic forming: P. Hartley
G: Joining technology applying plastic deformation -FSW, SPR, MC etc.-: M. Fukumoto
H: Forming of magnesium alloys: R. Matsumoto
I: Advanced powder processing technology: H. Miura
J: Incremental forming processes: M. Otsu
K: Micro- and nano-forming: Y. Qin and J.-C. Gelin
L: Material modelling and its application to advanced forming simulations: T. Kuwabara
M: Modelling and simulation of fasteners forming and micro forming: G.-Y. Tzou
N: Multi scale modeling of microstructure evolution in metal forming: M. Pietrzyk
O: Servo press technology: K. Osakada

Registration Fees

The registration fees, including lunch, banquet, coffee breaks, bowling and Conference Proceedings, with early registration applicable if received before June 30, 2010, are:

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<tr>
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<th>Early</th>
<th>Late</th>
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<tbody>
<tr>
<td>Delegates</td>
<td>60,000yen</td>
<td>70,000yen</td>
</tr>
<tr>
<td>Students</td>
<td>30,000yen</td>
<td>35,000yen</td>
</tr>
<tr>
<td>Accompanying person</td>
<td>10,000yen</td>
<td>(only reception, banquet and bowling)</td>
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The registration fee should be paid until June 30, 2010 to include the paper in the Proceedings, i.e. the paper is automatically removed from the Proceedings if no payment until June 30, 2010. No refund is made if the registration is cancelled after June 30, 2010.