



2010

1st
1st INTERNATIONAL SEMINAR

**on Hot Sheet Metal Forming
of High-Performance Steel**



PROGRAM

October 28th, 2010 – Hanover, Germany

SCOPE

Dear Colleagues,

since 2007 the Swedish-German Centre of Excellence on Hot Sheet Metal Forming of High-Performance Steel CHS² succeeded in establishing the leading network in research and development in this particular technology. As most of you might know, CHS² does not only perform numerous research activities within this partnership but also with quite some key-players in the technological scene. In this context, the CHS² International Conference Series became the most accepted platform for technological exchange

on an international level. The first two conferences held in Kassel, Germany, in October 2008 and in Luleå, Sweden, in June 2009 attracted more than 400 participants from all over the world. Of course, this success will be continued with the 3rd CHS² Conference in Kassel in June 2011.

However, due to the actually doubtlessly increasing relevance of this technology, it is important just to keep this exchange continuously going on. Due to the actually huge interest on recent develop-

ments in hot sheet metal forming technology especially in Asia and North America, CHS² decided to organize an International Seminar Series at these emerging hot spots.

Since the upcoming 21st International Sheet Metal Working Technology Exhibition EuroBLECH 2010, which takes place in Hanover, Germany from 26 – 30 October 2010, constitutes a meeting point for the international scene anyhow, we decided to organize the 1st seminar on October 28, 2010 at the

Convention Center located on the exhibition ground.

The program of this one-day seminar consists of selected contributions from key-players in technology as well from science as from industry.

We are looking forward to meeting you there!

Kurt Steinhoff,
Mats Oldenburg,
Braham Prakash

SEMINAR FEE AND REGISTRATION

Registration before October 28, 2010: _____ 450.00 Euro

Online registration has to be done via www.chs2.eu

Invoicing will be done by our partner:

KonfAktiv AB

Lustigbacken 20

954 33 Sweden

fax: +46 (0) 920 - 15 006

email: info@konfaktiv.se

The conference fee includes the participation in the lectures as well as printed proceedings. The access to the EuroBLECH 2010 is not included.

CONFERENCE SECRETARY

Dennis Fuss
University of Kassel
Chair of Metal Forming Technology
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D - 34125 Kassel, Germany

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More information:
www.chs2.eu

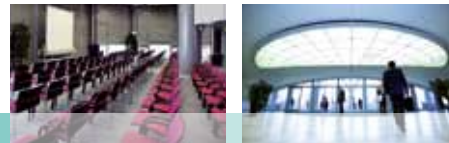


VENUE

The **1st International Seminar** will be organized in Hanover, Germany, on October 28, 2010 during the International Sheet Metal Working Technology Exhibition EuroBLECH 2010 (www.euroblech.com).



It takes place at the Convention Center within the fairground of the Deutsche Messe AG. (www.messe.de/homepage_e)



ROUTE PLAN



SITEMAP

RECOMMENDED HOTELS

Best Western Premier Hotel

Gut Kronsberg 1
D - 30539 Hanover, Germany
fon: +49 (0) 511 - 87 400
fax: +49 (0) 511 - 86 7112
email: info@parkhotel-kronsberg.de

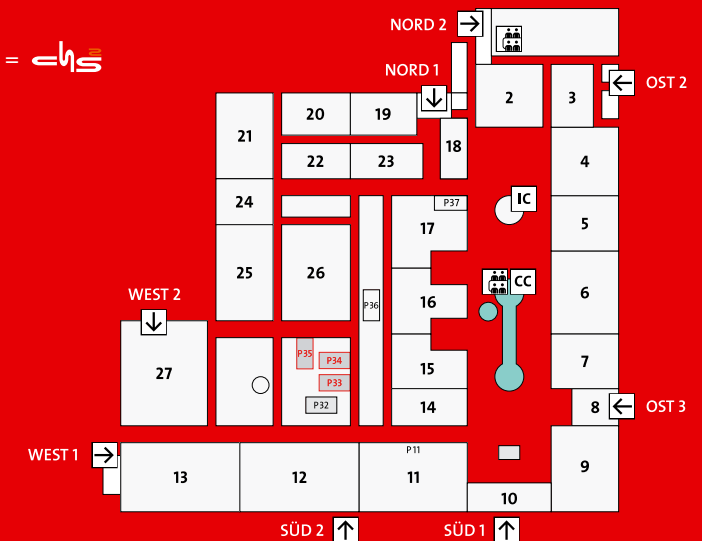
Copthorne Hotel

Würzburger Straße 21
D - 30880 Hanover-Laatzten, Germany
fon: +49 (0) 511 - 9836 - 0
fax: +49 (0) 511 - 9836 - 667
email: sales.hannover@millenniumhotels.de

Radisson Blu Hotel

EXPO Plaza 5
D - 30539 Hanover, Germany
fon: +49 (0) 511 - 38383 - 0
fax: +49 (0) 511 - 38383 - 8000
email: info.hannover@radissonblu.com

- Information Center
- Convention Center =
- Meeting Rooms
- Entrance



OCTOBER 28th

09:15 Registration

10:00 Opening Session

10:00 Welcome and Introduction

Prof. M. Oldenburg*, Prof. B. Prakash*, Prof. K. Steinhoff** (*Luleå University of Technology, Sweden; **University of Kassel, Germany)

10:10 Welcome Notes

International Partners

10:15 Press Hardening – From Ultra High Strength Steel to Body-In-White Application

Prof. K. Steinhoff (University of Kassel, Germany)

11:00 Refreshment Break

11:30 SESSION 1: Parts & Processes I

11:30 Press Hardened Parts & Applications

M. Jonsson (Gestamp HardTech AB, Luleå, Sweden)

12:00 Integrated Press Hardening Lines

J. Aspacher (Schuler SMG GmbH & Co. KG, Waghäusel, Germany)

12:30 Innovations in Hot Metal Forming – Tool Systems, Presses, Automation

Dr. R. Hund (BRAUN CarTec GmbH, Schwalbach, Germany)

13:00 Business Lunch



OCTOBER 28th

14:00 SESSION 2: Modelling & Simulation

14:00 Exploring the Press Hardening Technology with Use of Simulation

Prof. M. Oldenburg (Luleå University of Technology, Sweden)

14:30 Simulation of Thermo-Mechanical Forming Process with LS-Dyna

D. Lorenz (DYNAmore GmbH, Stuttgart, Germany)

15:00 SESSION 3: Materials & Coatings

15:00 Ultra High Strength Steel and its Application for Press Hardening

Dr. H.G. Kim (POSCO Technical Research Laboratories, GwangYang-si, Korea)

15:30 Tool Steel for Press Hardening and Hard Cutting

I. Valls-Angles (Rovalma S.A., Barcelona, Spain)

16:00 Tool Coatings for Hot Forming Application

A. Reiter (OC Oerlikon Balzers AG, Balzers, Liechtenstein)

16:30 Refreshment Break

17:00 SESSION 4: Parts & Processes II

17:00 High Temperature Tribology

Prof. B. Prakash (Luleå University of Technology, Sweden)

17:30 Laser Cutting Technology

M. Fritz (Trumpf Laser- & Systemtechnik GmbH, Ditzingen, Germany)

OCTOBER 28th

OCTOBER 28th

18:00 Actual Developments and Progresses on Furnaces and Heat Treatment for Press Hardening

H. Lehmann (Schwartz GmbH, Simmerath, Germany)

18:30 Closing Session

18:30 Closing Remarks

Prof. M. Oldenburg*, Prof. B. Prakash*, Prof. K. Steinhoff** (*Luleå University of Technology, Sweden; **University of Kassel, Germany)

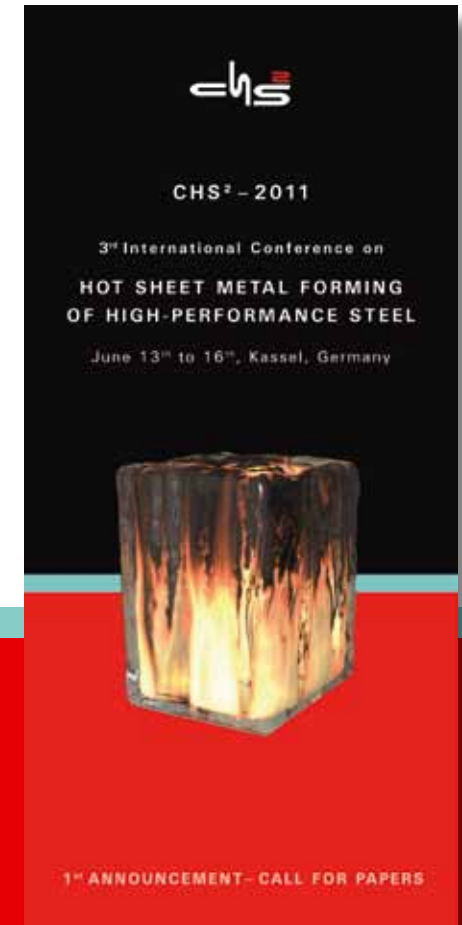
19:00 Reception

Kassel, Germany from June 13th to 16th, 2011

ANNOUNCEMENT

CHS² Conference 2011

Please note that the 3rd International Conference on Hot Sheet Metal Forming of High-Performance Steel will take place at "Kongress Palais Kassel" in Kassel, Germany, from June 13th to 16th, 2011.



KINDLY SUPPORTED BY

M.I.K. GmbH, Düsseldorf, Germany



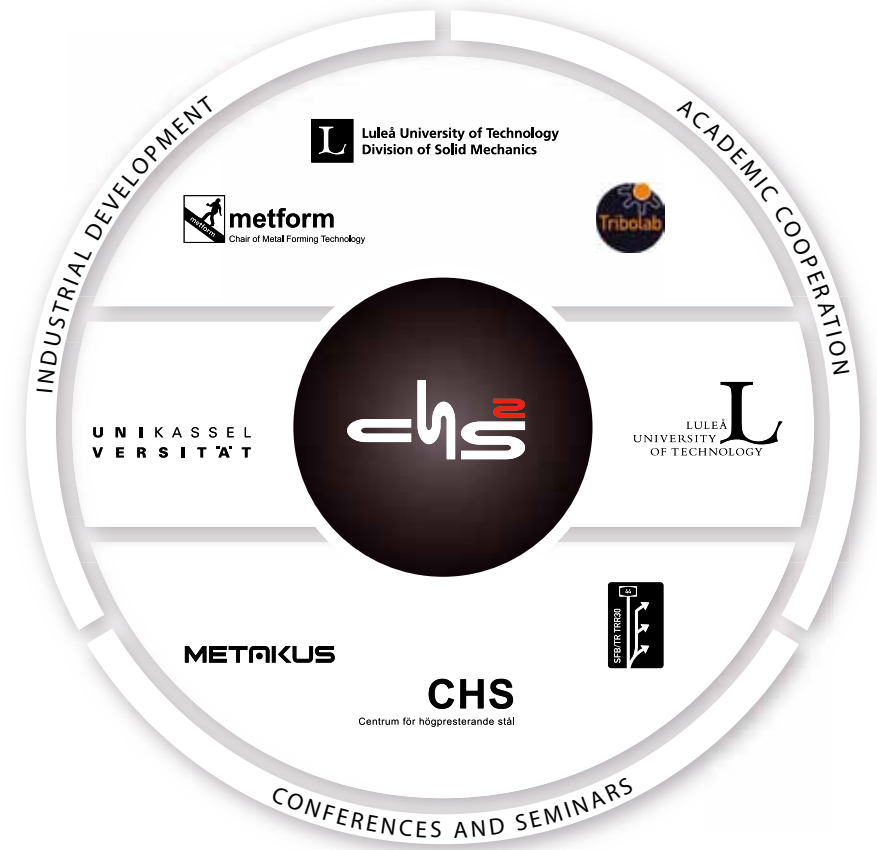
EBNER Industrieofenbau Gesellschaft m.b.H., Leonding, Austria



EuroBLECH 2010, Mack Brooks Exhibitions Ltd, St Albans, England



NETWORK



ORGANIZED BY

Swedish-German Centre of Excellence for Hot Sheet Metal Forming of High-Performance Steel, CHS², Kassel/Luleå, Germany/Sweden
(www.chs2.eu)



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