

General information

■ CONFERENCE VENUE

Sala Onice - Palazzo dei Congressi/ Villa Vittoria
Firenze Fiera, Piazza Adua, 1

■ REGISTRATION

Fees for participants include:

- Attendance to the sessions
- Delegate's bag with conference material
- Lunches and coffee breaks according to the program
- Tour on 20th of February
- Gala Dinner on 20th of February

Fees for accompanying guests include:

- Gala Dinner on 20th of February
- A half day tour in Firenze, with lunch, on 21st of February (departure at 09.30 am from the Congress Venue)

■ SOCIAL EVENTS

20th of February

- Tours

Visit of GE Oil & Gas Florence site or Firenze Touristic tour

Departure at 2.30 pm from the Congress Venue

- Gala Dinner

The Gala Dinner will take place in the beautiful Roof Garden of Grand Hotel Baglioni, called Terrazza Brunelleschi (P.zza Unità Italiana, 6) at 8.00 pm.

22nd of February (optional, full day)

Visit at the Ferrari Factory in Maranello (Modena)

What is the HSS Forum?

The International High Speed Steel Research Forum is a non-profit association dedicated to high speed steel technology through shared R&D and educational activities.

The HSS Forum in brief:

- a non-profit association
- created in 2001
- with an international scope and membership
- focusing on education and information about machining with HSS tools
- the editor of the HSS Smart guide, a 200-page pocket book
- the organizer of the HSS Forum Conference "Smart Solutions for Metal Cutting" every four years
- members of the association are mainly HSS and PM HSS producers, cutting tool manufacturers, coating companies and universities from Europe, America and Asia. Since its foundation in 2001, the Association has encouraged any activity contributing to a better knowledge and use of high speed steel, PM HSS and coatings for the benefit of tool users.

www.hssforum.com

ORGANIZING SECRETARIAT OF THE 3rd HSS FORUM CONFERENCE



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Conference HSS FORUM 2013

Smart solutions for metal cutting



Firenze 2013
20-21 February

20th of February

- 08.45 am *Registration*
- 09.00 am **Opening of the conference**
C. Pujana - *President of the HSS Forum*
- 09.15 am **Sustainability of advanced metal cutting processes: Assessment of Cryogenic machining**
F. Pusavec - *University of Ljubljana, Slovenia*
- 09.45 am **Dedicated Coatings for HSS Cutting Tools - Coating Specification and Production - Process adjusted to the individual Application**
B. Huettermann - *CemeCon*
- 10.15 am **Innovations in machining: cryogenics, spindle speed variation, FEM simulations**
S. Tirelli - *MUSP Lab.*
- 10.45 am *Break*
- 11.15 am **Modification of the HSS heat treatment routes by the use of cryogenic temperatures**
L.A. Alava - *IK4-AZTERLAN Research Alliance*
- 11.45 am **New PVD Coating**
D. Romagnoli - *STS Srl*

- 12.15 am **Researches, simulation and testing for machining processes technology innovation**
F.S. Chiari - *GE Oil & Gas*
- 12.45 am *Lunch*
- 02.30 pm **Visit of GE Oil & Gas (Florence site) or Firenze Touristic tour**
- 08.00 pm **Gala Dinner at Terrazza Brunelleschi**

21st of February

- 09.00 am **Manufacturing of Gear Boxes - Technology of the past or bright perspective for the future of HSS tools?**
B. Karpuschewski Otto-von-Guericke - *University of Magdeburg, Germany*
- 09.30 am **The latest technology of DRY Hobbing by the New HSS Material**
T. Hoshiba - *NACHI FUJIKOSHI Corp.*
- 10.00 am **Reducing the environmental footprint of machining operations**
G. Campatelli - *University of Florence, Italy*
- 10.30 am **Use of HSS tools with advanced PVD coatings for gear cutting applications**
A. Farinotti - *LAFER*
- 11.00 am *Break*
- 11.30 am **Innovative new offer for taps**
D. Rebois, J.P. Hoel - *ERASTEEL*

- 12.00 am **Tapping of TiAl6V4 with Diamond-like-carbon (DLC) coated HSS tools**
D. Lung - *WZL, RWTH Aachen University, Germany*
- 12.30 am **Advanced new cutting material**
G. Kellezi - *Böhler Edelstahl GmbH*
- 01.00 pm *Lunch*
- 02.30 pm **Good luck, creating the conditions for success in life and business**
A. Rovira
- 04.00 pm **Round Table "How do we foresee the future of HSS?"**
P. Cavadini - *ERASTEEL*, P. Deutscher - *Böhler Edelstahl GmbH*
B. Huettermann - *CemeCon*, M. Mandelli - *Dormer*
- 04.30 pm **End of the Conference**
S. Ganier - *General Secretary of the HSS Forum*

22nd of February / Optional

- 08.30 am **Departure from the Congress Venue to Modena by bus**
- 10.30 am **Ferrari Factory Visit**
- 01.30 am *Lunch*
- 03.00 pm **Bus transfer to Firenze Airport and Palazzo dei Congressi in Firenze**