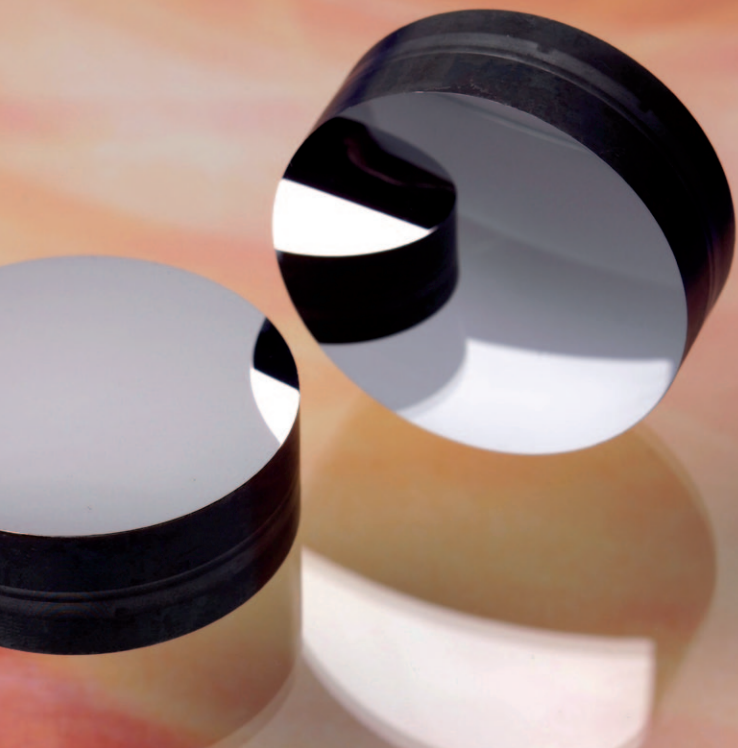


November 9-10, 2010

2ND WORKSHOP "STEEL POLISHING"



WORKSHOP

Aims and Contents

After a successful first workshop in October 2008 a new two days workshop centering around the topics of steel polishing and molding is planned. The Fraunhofer Institute for Production Technology IPT, Halmstad University, Uddeholm Tooling AB and Uddeholm Deutschland GmbH offer a forum for information and exchange about current perspectives, technological innovations and new applications. The main goal is to combine both the industrial and the research point of view in order to identify new research aspects. The workshop will focus on different topics addressing industrial needs. Various presentations will be given about current developments, trends and new challenges in the fields of steel polishing and mold making.

Conference language

English

Conference Venue

Fraunhofer Institute for Production Technology IPT
Steinbachstrasse 17, 52074 Aachen, Germany

Registration Fee

The registration fee is € 170,-. You will be sent an invoice upon receipt of your registration form. In case of cancellation before October 5, 2010 the registration fee will be refunded minus an administration charge of € 70. No refunds are possible after this date.

Organizer

Fraunhofer Institute for Production Technology IPT

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52074 Aachen, Germany
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Böhler-Uddeholm Deutschland GmbH

Hansaallee 321
40549 Düsseldorf, Germany
www.uddeholm.de

PROGRAM



November 9, 2010

- 13:00 **Welcome & Introduction**
- 13:30 **Connecting Technical Surfaces with the Consumer's Perception**
Prof. Lars Eriksson, Jönköping University, Jönköping, Sweden
- 14:00 **Quantitative Surface Evaluation**
Prof. Bengt-Göran Rosén, Sabina Rebeggiani, Halmstad University, Halmstad, Sweden
- 14:30 **Machine Hammer Peening – An Alternative Technology**
Johan Berglund, Sandvik Tooling, Sandviken, Sweden
- 15:00 **Coffee Break**
- 15:30 **Surface Quality Improvement in Automotive and Aerospace Industrial Sectors: Applications and Trends**
Ind. Eng. Jose Antonio Dieste
Fundación aiTIIP, Zaragoza, Spain

- 16:00 **Fine Machining Robot Cell Design – An Overview on Different Applications**
Raf Dequeker, Optidrive nv, Leuven, Belgium
- 16:30 **Product Driven Automation of Machine and Robot Integrated Grinding and Polishing**
Barbara Behrens, Fraunhofer IPT, Aachen, Germany
- 17:00 **Tour of the Fraunhofer IPT**
- 19:30 **Dinner**

November 10, 2010

- 8:30 **Requirements on the Surface – Quality of Cold, Warm and Hot Forging Dies**
Dr. Christian Hinsel, Hirschvogel Umformtechnik GmbH, Denklingen, Germany
- 9:00 **Experiences and Challenges for Finished Surfaces in Daily Mold and Die Making**
Carsten Becker, Theis Feinwerktechnik GmbH, Breidenbach, Germany

- 9:30 **The Right Material for the Right Gloss Effect**
Alf Sandberg, Uddeholms AB, Hagfors, Sweden
- 10:00 **Coffee Break**
- 10:30 **Diversity of the Concept "Polishing"**
Ralf Kiefer, Kiefer GmbH, Urbach, Germany
- 11:00 **New Embeddable Surface Metrology Modules for Polishing and Abrasion Process Control**
Serge Carras, Altimet SAS, Thonon-Les-Bains, France
- 11:30 **Industrial Solutions for Robot Grinding and Polishing Tasks**
Martin Siedler, SHL Automatisierungstechnik AG, Böttingen, Germany
- 12:00 **Lunch**
- 13:30 **Group Work**
- 15:00 **Summary of Group Work and Final Discussion**
- 16:00 **End of the Workshop**

Please fill out this form and send it back to us either by post to the address below or by fax to +49 241 8904-198.

Please register participants individually by making a copy of the form for each registration.

Fraunhofer-Institut für Produktionstechnologie IPT
Dipl.-Ing. Barbara Behrens
Steinbachstraße 17
52074 Aachen
Germany

REGISTRATION

Workshop "Steel Polishing"

November 9-10, 2010

Please fill out the form and send it either by post, e-mail or fax to:
barbara.behrens@ipt.fraunhofer.de

Fax +49 241 8904-198

The number of participants is limited. Please register until October 19, 2010.

I hereby confirm my registration at a participant fee of € 170,- for the Workshop "Steel Polishing".

Name* _____

First Name* _____

Titel _____

Institution/Company* _____

Position _____

Department _____

Street Address/P.O. Box* _____

City/Zip-Code* _____

Country* _____

Phone* _____

Fax _____

E-mail _____

Signature _____

Date _____

*Data necessary

I agree that my name and address will be registered in the list of participants. For the purpose of organizing the workshop, name and address will be electronically processed and saved.