ORGANIZERS



FRAUNHOFER INSTITUTE FOR PRODUCTION TECHNOLOGY IPT

Conference, May 18-19, 2010

Fraunhofer Institute for Production Technology IPT

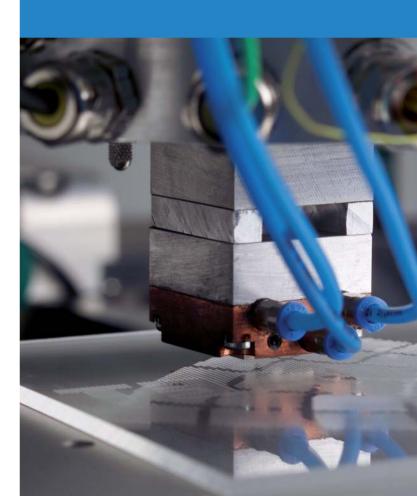
The Fraunhofer IPT develops integrated systems solutions for clients in modern production industries. We focus on development and optimization of process tecnology, production metrology and corresponding machines and production concepts. Quality and technology management as well as purchasing complete our offer for integrating new technologies into the companies grown organizational structures.

Center for Precision and Micro Technology (ZPM)

The Center for Precision and Micro Technology (ZPM) was set up by the Fraunhofer IPT to bundle technological competencies in ultra precision and micro technology. In the field of process technology, metrology and machine development we are your competent partner for bi- and multilateral development projects.



2ND AACHEN PRECISION DAYS



THE CONFERENCE

REGISTRATION

The Fraunhofer Institute for Production Technology IPT will be holding the 2nd Aachen Precision Days on May 18 and 19, 2010 – an international conference with a thematic focus on precision and ultra-precision manufacturing addressed at partners in the fields of industry and research. The conference focuses on process chains for the production of high technology components – both for specialized single-item production systems and for the production of low-priced, high-end products suitable for mass production. Both new methods and opportunities for the combination of new and conventional processes will be presented at the conference. These combined process applications will play an important role in current and future research into micro-precision and are therefore one of the main topics of the conference. The technical presentations will offer an insight into new process variations as they relate to the production of technologically demanding precision and micro components. The speakers will provide an insight into the current status of technology using examples of different production sequences involving interdisciplinary technologies that will serve as a guide for further development activities.

The presentations will be given by representatives from industry as well as from other research institutions. The 2nd Aachen Precision Days will provide a clear and structured insight into the technological limitations of micro-precision technology.

Registration and registration fee

To register, please fill out, sign and send the attached registration form by post or by fax to the address/fax number given. Once you are registered, you will receive an invoice for the participation fee amounting to € 700. If we receive your registration before February 26, 2009 we will allow you a facility of 100 €. Should you cancel before April 16, we will refund the registration fee minus an administrative charge of 100 €. All prices quoted here are subject to the current rate of value added tax.

Conference languages

The presentations will be held in German and English and interpreted simultaneously.

Conference venue

Hotel Novotel Aachen City Peterstraße 66, 52062 Aachen, Germany

Organizers

Fraunhofer Institute for Produktion Technology IPT Steinbachstraße 17, 52074 Aachen, Germany

Contact

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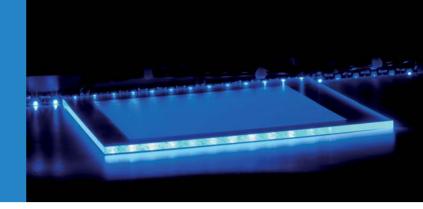
MAY 18, 2010

Frank Vorwald, AMETEK, United States



8:45	Welcome Prof. Christian Brecher, WZL of the RWTH Aachen and Fraunhofer IPT, Germany	11:30	Lithographic processes on freeform optics Dr. Sven Preuss, Heidelberg Instruments Mikrotechnik GmbH, Germany
9:00	Enabling breakthroughs – fostering creativity. Prospects and challenges for European research	12:00	Lunch
	funders	13:30	3D micro EDM
	Dr. Wilhelm Krull, VolkswagenStiftung, Germany		Angelo Quadroni, Sarix SA, Switzerland
9:30	Optimised process combination: Micro milling, lithography, EDM, ECM	14:00	Production of master arrays for replication of high precision micro lenses
	Dr. Claas Müller, Institut für Mikrosystemtechnik IMTEK, Germany		Dr. Reinhard Völkel, SUSS MicroOptics, Switzerland
		14:30	Recombination of optical micro structures
10:00	Coffee Break		on large surfaces
			Kari Rinko, Oy Modines Ltd., Finland
10:30	Manufacture of imprinting masters by ion beam		
	structuring	15:00	Coffee Break
	Prof. Stefan Dimov, Cardiff University, United Kingdom		
		15:30	Shuttle to Fraunhofer IPT, Shop Floor Visit
11:00	Automation approaches in ultra precision		
	production	20:00	Conference dinner

MAY 19, 2010



9:00	Machine integration of metrology equipment Dr. Toni Ventura, Datapixel, Spain	13:30	Process technology injection moulding and injection compression moulding Rolf Uwe Müller, ARBURG GmbH + Co. KG, Germany
9:30	Precision positioning systems		
	Dr. Hans Eitzenberger,	14:00	Interferometric measurement techniques for
	EITZENBERGER Luftlagertechnik GmbH, Germany		precision optics
			Jean-Michel Asfour, Dioptic GmbH, Germany
10:00	Coffee Break		
		14:30	Coffee Break
10:30	Wafer-scale UV-replication of CMOS imaging lenses		
	Dr. Alexander Bietsch, Heptagon Oy, Switzerland	15:00	Injection moulding technology for nano replication
			Markus Gabriel, Advaltech GmbH, Switzerland
11:00	Step and repeat nano imprint lithography		
	Dr. Thomas Glinsner, EVGroup GmbH, Austria	15:30	Production of hybrid micro optics using glass
			replication (UV casting) technology
11:30	Reel to reel embossing replication of micro		Dr. Koen Demayer, Anteryon b.v., The Netherlands
	and nano structures		
	Dr. Xin Li, Microsharp Corporation Ltd., United Kingdom	16:00	End of conference
12:00	Lunch		

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

Steinbachstraße 17 52074 Aachen Germany

REGISTRATION

I hereby confirm my registration at a participation fee of $700 \in$ for the conference "2nd Aachen Precision Days". If I send this registration before February 26, 2009 I will receive a facility of $100 \in$.

Please send registration back to us by fax: +49 241 8904-198

*Required information

I agree that my name and business address will be included in the published list of participants and electronically processed and stored for organizational purposes.