

Forum "Innovations for Industry", MicroTechnology / Hannover Messe 2008, 21. - 25. April 2008

Logos: Kompetenznetze Deutschland und die vom letzten Jahr				Referent	Firma
Monday, April 21, 2007	Keynote-Day!	Session chair:	Dr. Uwe Kleinke, IVAM Microtechnology Network, Dortmund, D		
Monday	12:00 PM		Opening Dr. Frank Bartels		
Monday	12:05 PM	Keynote	Carbon Nanotubes - Chances and Challenges	Dr. Peter Krüger	Bayer MaterialScience AG, Leverkusen, D
Monday	12:35 PM	Keynote	"MEMS Inertial Sensors: A Comparison of the Consumer and Automotive Markets"	Louis Ross (President & CEO)	Virtus Advanced Sensors, Pittsburgh, USA
Monday	1:05 PM	Keynote	Lasers in Microtechnology - What is the chicken, what is the egg?	Dr. Lutz Aschke	Limo Lissotschenko Mikrooptik GmbH, Dortmund, D
Monday	1:35 PM	Keynote	Microfluidics for Industrial Applications	Prof. Dr. Roland Zengerle	HSG-IMIT (A member of IVAM Advisory Council), Villingen-Schwenningen, D
Monday	2:05 PM	Keynote	Ultra precision diamond machining - enabling processes for high tech optics and mechanical components	Dr. Christian Wenzel	Fraunhofer-Institut für Produktionstechnologie IPT, Aachen, D
Monday	2:35 PM	Keynote	Evolvable production Systems	Dr. Christoph Hanisch	Festo AG Co. & KG, Esslingen, D
Monday		Session chair:	André van Hall, BioMedizinZentrum, Dortmund, D		
Monday	3:05 PM	Keynote	From Research to Business: Nanotechnological Coatings for Industrial Application	Prof. Dr. Helmut Schmidt	EPG Engineered nanoProducts Germany AG, Zweibrücken, D
Monday	3:35 PM	Keynote	Overview about Micro and Nanotechnology in Brazil – Trends in Technologies and Markets	José Alberto da Costa Machado, DSc.	SUFRAMA - Superintendence of the Manaus Free Trade Zone, Manaus - Amazonas, BRA
Monday	4:05 PM	Keynote	Start-ups in Micro-/Nanotechnology: processes, strategies and perspectives	Dr. Heiko Kopf	MST factory dortmund GmbH, Dortmund, D
Monday	4:35 PM	Keynote	Microfactory - Still a Dream or Already a Reality?	Prof. Reijo Tuokko	Tampere University of Technology, Tampere, FIN
	5:05 PM		<i>Umbau Forum</i>		
Monday	6:00 PM		Opening IVAM Monday		
Tuesday, April 22, 2007	Japan-Day!	Session chair:	Dr. Ryutarō Maeda, Tsukuba, J		
	9:55 AM		Opening Keiichi Aoyagi		
Tuesday	10:00 AM	Keynote Lecture	Smart Systems Integration - Successful networking between Japan and Germany	Prof. Dr. Thomas Geßner	Fraunhofer-Institut für Zuverlässigkeit und Mikrointegration, Institutsteil Chemnitz, D
Tuesday	10:30 AM		Roadmap driven micro-nano technology development in Japan	Junji Adachi	Micromachine Center, Tokyo, J
Tuesday	10:50 AM		Nanoimprint Research and Applications in AIST	Dr. Masaharu Takahashi	National Institute of Advanced Industrial Science and Technology, Tsukuba, J
Tuesday	11:10 AM		Highly Integrated, Complex MEMS Production Technology Development Project: Nano-mechanical structure fabrication technology	Dr. Tetsuo Kan	University of Tokyo, Tokyo, J
Tuesday	11:30 AM		MEMS and Packaging Technology in Matsushita Electric Works	Takeshi Okamoto	Matsushita Electric Works, Ltd., Osaka, J
Tuesday		Session chair:	Junji Adachi, Micromachine Center, Tokyo, J		
Tuesday	11:50 AM		AIST R&D for commercialization of MEMS and Nano fabrication	Dr. Ryutarō Maeda	National Institute of Advanced Industrial Science and Technology, Tsukuba, J
Tuesday	12:10 PM		MEMS Technologies in Mitsubishi Electric	Dr. Yukihisa Yoshida	Mitsubishi Electric Corporation, Hyogo, J
Tuesday	12:30 PM		Optical and Bio MEMS development in Olympus	Ryo Ota	OLYMPUS Corporation, Nagano, J
Tuesday	12:50 PM		Sensor and RF Communication MEMS Development in Omron	Masao Jojima	Omron Corporation, Kyoto, J
Tuesday	1:10 PM		Technology Development Programm Based upon Strategic Technology Roadmaps in MEMS and Microtechnology in Japan	Hideaki Watanabe	New Energy and Industrial Technology Development Organization NEDO, J
Tuesday	1:30-2:00 PM		Break		
Tuesday		Session chair:	Helmut Kergel, VDI/VDE Innovation + Technik GmbH, Berlin, D		
Tuesday	2:00 PM		EU funded research in Micro/Nano-manufacturing and opportunities for industrial take up	Hans Hartmann Pedersen	European Commission
Tuesday	2:20 PM		Micro/nano-materials for micro products and manufacturing	Dr. Ioannis Chronakis and Dr. Wolfgang Hornig	Swerea IVF form. The Swedish Institute for Fibre and Polymer Research IFP (Dr. I. Chronakis) and B-P-E (Dr. W. Hornig)
Tuesday	2:40 PM		In-situ micro/nano-material testing	Dr. Johann Michler	Swiss Federal Laboratories for Materials Testing and Research (EMPA)
Tuesday	3:00 PM		Micro-sheet forming and the machine	Dr. Yi Qin	University of Strathclyde
Tuesday	3:20 PM		Micro-hydroforming and the machine	Dr. Christoph Hartl	University of Applied Science Cologne
Tuesday	3:40 PM		Micro-bulking forming and the machine	Dr. Mogens Arentoft	IPU
Tuesday	4:00 PM		Design of Ultra μ Mill: a 5 axis micro milling machine	Prof. Kai Cheng	Brunel University
Tuesday	4:20 PM		Micro Laser Forming and Tooling	Dr. Arnold Gillner	Fraunhofer Institut für Lasertechnik (ILT)
Tuesday	4:40 PM		Micro-EDM and process optimisation	Markus Roehner	Fraunhofer Institut für Produktionsanlagen und Konstruktionstechnik (IPK)
Tuesday	5:00 PM		Micro handling and the component sorting system	Prof. Antonio-José Sánchez-Salmerón	Polytechnic University of Valencia
Tuesday	5:20 PM		MASMICRO micro inspection system	Issa Ibraheem	Carinthian Tech Research AG
Tuesday	5:40 PM		MASMICRO system integration and manufacturing software	Matthias Meier	Fraunhofer Institut Produktionstechnik und Automatisierung (IPA)
Wednesday, April 23, 2007	Laser-Day!	Session chair:	Dr. Heinz Brückelmann, MST.factory dortmund GmbH, Dortmund, D		
Wednesday	10:00 AM	Keynote Lecture	Laser Technology in Photovoltaics	Dr. Aart Schoonderbeek	Laser Zentrum Hannover e.V., Hannover, D

Wednesday	10:30 AM		Microprocessing with Lasers - Advantages of Beam Shaping	Dr. Paul Harten,	Limo Lissotschenko Mikrooptik GmbH, Dortmund, D
Wednesday	10:50 AM		Recent Applications in Precision Machining with the Laser MicroJet® Technology	Roy Housh	SYNOVA SA, Ecublens, CH
Wednesday	11:10 AM		Ablating with Short Pulse Lasers in Micromachining	Dipl.Ing. Tino Petsch	3D-Micromac AG, Chemnitz, D
Wednesday	11:30 AM		Microjoining of metals, polymers and dielectrics with laser radiation for advanced packaging solutions	Dr.-Ing. Arnold Gillner	Fraunhofer-Institut für Lasertechnik, Aachen, D
Wednesday	11:50 - 12:30PM		Break		
Wednesday		Session chair:	Dr. Gabi Fernholz, VDI/VDE Innovation + Technik GmbH, Berlin, D		
Wednesday	12:30 PM		Optical Characterization of Dynamic and Topography Properties of Microsystems	Dr. Heinrich Steger	POLYTEC GMBH, Waldbronn, D
Wednesday	12:50 PM		Micromachining with picosecond-Lasers	Dipl.-Phys. MBA Bernhard Klimt	Lumera - Laser GmbH, Kaiserslautern, D
Wednesday	1:10 PM		The smaller the laser	Richard Steinbrecht	ROFIN/Baasel Lasertech, Starnberg, D
Wednesday	1:30 PM		Laser Micromachining Services for Microtechnology Applications	Dr. Nadeem Rizvi	Laser Micromachining Ltd., Denbighshire, UK
Wednesday	1:50 - 2:00PM		Break		
Wednesday		Session chair:	Dr. Christine Neuy, IVAM Microtechnology Network, Dortmund, D		
Wednesday	2:00 PM		Multi-Sensor Metrology for Production Control and QA	Dr. Thomas Fries	Fries Research & Technology GmbH, Dortmund, D
Wednesday	2:20 PM		How micro and nanotechnology shape the competitiveness of „old industries“	Dr. Uwe Kleinkes	IVAM Microtechnology Network, Dortmund, D
Wednesday	2:40 PM		LIGA and Micro Patterned Components	Dr. Bernd Löchel	Bessey GmbH - Anwenderzentrum für Mikrotechnik (AZM), Berlin, D
Wednesday	3:00 PM		Business Activities of the Application Center for Micro-Optical Systems - amos	Dr. Olaf Brodersen	CIS Institut für Mikrosensoren GmbH, Erfurt, D
Wednesday	3:20 PM		On-line drinking and effluent water quality analysis with Capillary Electrophoresis	Henk Leeuwis	Lionix BV, Enschede, NL
Thursday, April 24, 2007		Session chair:	Bernhard Wybranski, VDI/VDE Innovation + Technik GmbH, Berlin, D		
Thursday	10:00 AM		mp6 - the new micropump generation from Bartels Mikrotechnik	Dipl.-Ing. Severin Dahms	Bartels Mikrotechnik GmbH, Dortmund, D
Thursday	10:20 AM		Microdispensing in Industrial Applications	Wilhelm Meyer	Microdrop Technologies GmbH, Norderstedt, D
Thursday	10:40 AM		MEMS Components for Massflow Measurement and Gas Detection	Rolf Meisinger	Leister Process Technologies Axetris Division, Kägiswil, CH
Thursday	11:00 AM		High Throughput Hot Embossing and Nano Imprinting	Dipl.-Wirtsch.-Ing. Enrico Piechotka	JENOPTIK Laser, Optik, Systeme GmbH, Jena, D
Thursday	11:20 AM		Virtus Sensors Technology and Product Introduction for 2008	Louis Ross (President & CEO)	Virtus Advanced Sensors, Pittsburgh, USA
Thursday	11:40 AM		Roll to roll transfer of micro structures onto foil for optical and other functions	Dipl.-Ing. Uwe Savrda	nanoFlexx GmbH, Itzehoe, D
Thursday	12:00 PM		Customized specific piezomotor solutions based on standard Elliptec Module R40	Jens Dinkelbach	Elliptec Resonant Actuator AG, Dortmund, D
Thursday	12:20 PM		Software support for technology development and knowledge transfer	Dr. Jens Popp	Process Relations GmbH, Dortmund, D
Thursday	12:40 PM - 1:00 PM		Break		
Thursday		Session chair:	Dr. Matthias Künzel, VDI/VDE Innovation + Technik GmbH, Berlin, D		
Thursday	1:00 PM		Modular µ-assembly solutions (mµs)	Ir. Gerard Huiberts	IMS, Almelo, NL
Thursday	1:20 PM		Micro-Parts Mass Production	Shaun Mason	Tecan Ltd, Weymouth, Dorset, UK
Thursday	1:40 PM		Increased functionality of metal micro parts by micro injection molding	Dr. Natalie Salk	Fraunhofer-Institut für Fertigungstechnik und Angewandte Materialforschung IFAM, Bremen, D
Thursday	2:00 PM		Application Center for Microsystem Technologies - Core Competences and Services	Dipl.-Ing. Thomas Link	MicroMountains Applications AG, Villingen-Schwenningen, D
Thursday	2:20 PM		Application of Glass for Disposable Lab-on-a-Chip Devices	Ir. Ronny van 't Oever	Micronit Microfluidics BV, Enschede, NL
Thursday	2:40 PM		IVAM summer school as a tool for recruiting new employees - engineers and scientists	Dr. Christine Neuy	IVAM Microtechnology Network, Dortmund, D
Thursday	3:00 - 5:00 PM		ISS-Lab: Space meets MicroTechnology Space-based opportunities at IVAM-Forum Organisation: ISS Lab Ruhr GmbH During the session "Space meets MicroTechnology" experts from the European Space Agency (ESA), research institutes, and industry will present unique opportunities offered by space to optimise company-specific processes and products. The speakers will present examples of research in space and space-derived innovations, and will inform how microtech-companies can access business opportunities on the International Space Station and other space infrastructures. After the session please join our Get-together with snacks and drinks in the lounge of the IVAM booth hall 6, booth F16, and discuss open issues with our experts.		
Friday, April 25, 2007			VDI/VDE Veranstaltung		
VDI/VDE	10:30 AM		Clean-Tech Energy Eine Präsentation und Demonstration von Mikrosystemtechnik für die saubere Energieerzeugung Organisation und Moderation: Marco Voigt, VDI/VDE Innovation + Technik GmbH, Projektträger für das BMBF Weltweit wächst der Bedarf an Energie und damit auch die Nachfrage nach innovativen Energieversorgungssystemen. Die Entwicklung neuer Technologien im Bereich von sauberen Umwelttechnologien ist dabei Motor eines boomenden neuen Wirtschaftszweigs in dem Deutschland eine führende Rolle einnimmt. Mikrotechnologien kommen zum Einsatz bei der Miniaturisierung von energieautarken Systemen oder beispielsweise auch beim Condition Monitoring von Windkraftanlagen. Im Rahmen des Diskussions- und Demonstrationsforums „Clean Tech – Energy“ am Freitag auf der Hannovermesse werden eine Reihe von neuen Produkten für die umweltfreundliche Energiegewinnung vorgestellt.	BMBF Logo und VDI/VDE Logo einbinden (sind angehängt)	

	10.30-12.00 AM		Informationen zum Stand der Technik und der Wissenschaft beim Einsatz von Mikrosystemtechnik für saubere Energieerzeugung werden durch die Firma Clean Air Bike, Geo En, Micropelt und der EWE-Forschungszentrum für Energietechnologie anhand ausgewählter Produktbeispiele demonstriert. Informationen zum Programm: www.mstonline.de		