



Commercialization of Micro and Nano Systems Conference

Baden-Baden · August 21-25, 2005

Shaping the Future of the Micro Nano Marketplace

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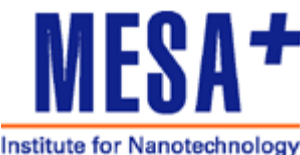
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## Welcome

Welcome to the first edition of the e-newsletter for [COMS 2005](#), the 10th annual conference on Commercialization of Micro and Nano Systems, to be held in beautiful Baden-Baden Germany, August 21-25, 2005

## About COMS 2005

Jointly organized by the Micro and Nanotechnology Commercialization Education Foundation ([MANCEF](#)) and Forschungszentrum Karlsruhe ([FZK](#)), this year's international conference has already attracted 20 partners and sponsors, and 140 presenters from 17 countries. COMS is the leading international conference in MNT commercialization education, and has a unique position in the community. It brings together the leading international industrialists, researchers, equipment suppliers, end users, customers, educators, financial experts, and government representatives.

The worldwide community has recognized the value of MNT. Governments, Industry, and Academia have responded by investing in this enabling technology. This year's conference will focus on the challenges facing this small tech community in building the best manufacturing and commercialization infrastructure to create and sustain a fast growing competitive global market.

Top level keynote speakers from Europe, the US and Asia will address key issues associated with the commercial exploitation of micro-nano technologies, and provide delegates with opportunities to gain insight into new MNT markets. The 25 breakout sessions, chaired by experts from the community, will give speakers and participants the opportunity to discuss and debate current issues.

For governments, companies and researchers concerned about future economic and business development through the exploitation of MNT, COMS 2005 is a conference that cannot be missed. Further information on the conference can be found on the website <http://www.mancef-coms2005.org/index.html>

## Keynote and Invited Speakers

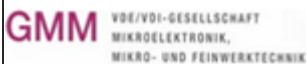
**Prof. Yoshinobu Baba**, Nagoya University (Japan)  
**Dr. Holger Becker**, microfluidic ChipShop GmbH (Germany)  
**Dirk Beernaert**, European Commission (Belgium)  
**Ricard Caro**, TangileFuture, Inc (USA)  
**James Von Ehr**, Zyvex Corporation (USA)  
**Jean-Christophe Eloy**, Yole Development (France)  
**Roger Grace**, Roger Grace Associates (USA)  
**Prof. Horst Hahn**, Forschungszentrum Karlsruhe (Germany)  
**Prof. Rainer Hintsche**, Fraunhofer Institut für Siliziumtechnologie (Germany)  
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**Dr. Jan-Peter Stadler**, Bosch (Germany)  
**Dr. Wolfgang Stoeffler**, Federal Ministry for Education and Research (Germany)  
**Prof. Steve Walsh**, MANCEF (USA)

**Program Highlights**

The three and half day conference will be comprised of keynote talks, break-out sessions and workshops, with an exhibition covering all aspects of the technologies related to commercialization. There are 25 scheduled sessions, broadly covering the following areas,

- Paths to commercialization
- Business and entrepreneurship
- Market analysis and marketing
- Government and regional support for MNT 1 & 2
- Technology transfer and networks
- Business incubators and spin-outs
- Challenges of MNT manufacturing: tools, processes and product development
- Challenges of MNT manufacturing: design, integration, assembly, and packaging
- Challenges of MNT manufacturing: management, product development, and testing
- Niche and high volume applications
- MNT applications: food and environment
- MST applications: life science
- MST applications: medical diagnostics and chemicals
- Standardization: talks followed by a round table
- The role of foundries & competence centers in MNT commercialization, competence centers in MNT- contribution to regional cluster development
- MNT products and applications
- Measurement, test, reliability, reproducibility in MNT
- MNT markets: automotive, aerospace and communication
- Commercialization and social issues
- Equipment and supply chains
- HARMST commercialization. talks and round table of LIGA International Group
- Education and training in MNT
- New devices 1 & 2
- New methods

Three of the sessions: Standards, HARMST (High Aspect Ratio Micro Technology), and Education are currently planned to have workshops and roundtable discussions to give interested delegates the opportunity to participate and interact.

**Conference Hosts:**



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We look forward to seeing you in Germany!



The FZK & MANCEF COMS 2005 Joint Organizing Committee