



Micro- and Nanotechnologies for Industrial Applications

27th March 2008

The Seminar on Micro- and Nanotechnologies for Industrial Applications is organized by the FP6 Coordination Action **IPMMAN Project** (Improvement of Industrial Production Integrating Macro,- Micro- and Nanotechnologies (www.ipmman.eu), **MINAM Platform** (www.micronanomanufacturing.eu) and the ISQ - Instituto de Soldadura, in conjunction to the 2nd annual meeting of **IPMMAN** project.

SCOPE OF THE SEMINAR

The Seminar intends to be an opportunity to introduce applications of Micro and Nano technologies to different industrial sectors.

Topics of the seminar will include: micro-nanosystems and technologies; nanomaterials nanosurfaces; nanoparticles and nanolayers; nanostructuring and coating; microassembly and integration of macro-/micro-/nanocomponents; technology integration for macro/micro/nano production.

Organizing Committee:

Ana Maria Cabral	Portugal
Christian Wogerer	Austria
Helmut Rempp	Germany
Wolfgang Schaefer	Germany
Helena Gouveia	Portugal
Rui Louro	Portugal



PROGRAM OF SEMINAR

Thursday, 27 March, 2008
14:00 – 16:00

1. **Cooperation of MINAM with other European Initiatives for common research and development in Europe**

C. Wogerer (Profactor Research and Solutions GmbH), Austria

2. **From R&D on Nanomaterials and Nanotechnology to commercial products: opportunities and challenges to packaging and medical industry**

Vasco Teixeira, (University of Minho, Physics Department, GRF-Functional Coatings Group), Portugal

3. **Self Assembly of Nano-Hydroxyapatite /Chitosan composites for Biomedical applications**

Wafa Abdel - Fattah, (Ceramics, Bioceramics & Ceramic / Polymer Composites, National Research Centre), Tahrir St. Dokki, Cairo, Egypt,

4. **Optical metrology for micro- and nanotechnology**

João Miguel Pinto Coelho, LAER (Óptica e Lasers) Instituto Nacional de Engenharia, Tecnologia e Inovação, I.P, Portugal

16:00 – 16:30 Coffee break

16:30 – 18:30

5. **Laser Interference Nanolithography and Applications**

Michael Packianather, (Cardiff University), UK

6. **Robotised Nanomanufacturing**

Michael Packianather (Cardiff University), UK

7. **From micro-system technology to micro and nanomanufacturing**, Dan

Dascalu and Radu Popa- IMT- Bucharest, Romania

8. **Scientific services for micro-nanoscale provided by IMT-Bucharest**, Raluca

Muller IMT- Bucharest. Romania