

MEMS Summer School to run from 5-7 September at Montpellier, France

The DfMM Summer School is an annual event which provides an introduction to MEMS technology and an overview of research topics undertaken by partners participating in the IST FP6 PATENT-DfMM Network of Excellence, involving Design for Manufacturable Micro and Nano Systems. The programme this year includes invited talks from relevant IST projects (MACROS and AMICOM).

Summer School outline programme:

- DfMM Markets & Roadmaps – Patric Salomon, 4M2C
- Commercialisation of Research Results – MEMS Business Case Study, NOVAMEMS
- Design Considerations for Testable & Reliable Manufacture – Pascal Nouet / Florence Azais, LIRMM
- Advanced Modelling of Damping in MEMS - Attilio Frangi, Politecnico di Milano
- DfM CAD Tools - Gerold Schropfer, COVENTOR
- Integrating Mechanical Fault Modelling in Electronic Simulations for Robust System Design – Lars Vosskaemper, Dolphin Integration
- Applications of the MACROS methodology - Biagio De Masi, STMicroelectronics
- Multi-Physics – Chris Bailey, Greenwich University of London
- Modelling of Microfluidic Mixers – Krzysztof Cieslicki, Warsaw University of Technology
- Tutorial – Failure Analysis 1 - Ingrid De Wolf, IMEC
- Tutorial – Failure Analysis 2 - Ingrid De Wolf, IMEC
- Producing Affordable RF MEMS - Stepan Lucyszyn, Imperial College London
- RF Microsystems, AMICOM

Services to SMEs for Demonstration Projects – Initial Services Offered Free of Charge

The EC FP6 Network of Excellence in Design for Micro & Nano Manufacture "PATENT-DfMM" is inviting proposals for activities that contribute to integration and spreading of excellence deliverables defined in the project's Joint Program of Activities. The call is basically open to PATENT-DfMM project partners only. However, there is a budget defined under WP7 – Sustainability and Business Development, which includes a budget for the following:

Proposals from SMEs requesting support to access PATENT-DfMM project partners' skills, facilities and services to achieve "proof of concept" or "prototype" demonstration.

The scope of the work can include tools development, equipment development, device or system prototype, manufacturing support IP in the form of test functions, test chip

NoE PATENT-DfMM Workshop at DTIP May 2005 - Presentations are now available

Presentations from the workshop are available from the PATENT-DfMM website free of charge. Anyone interested in regular updates

or monitoring function prototype, support IP for robust / high-reliability design, packaging solutions and integration technology. It is expected that all work funded will lead to an advance in the design for manufacture concept or its application to micro & nano technology based products. SMEs will be expected to contribute their own project-related work. Funding requests may cover manpower at PATENT-DfMM Partner institutes and access to PATENT-DfMM partner facilities.

CALL deadline: 5 Sep 2005

For further information, please contact:
Andrew Richardson
E-mail: A.Richardson@Lancaster.ac.uk

Patric Salomon
E-mail: patric.salomon@4m2c.com

from the project, please subscribe to the bi-monthly Email newsletter, which is also available free of charge - register on our website!

The summer school programme starts at lunchtime on Monday, 5 Sep, and finishes around 5pm on Wednesday 7 Sep. There will be a dinner organised for both Monday and Tuesday evenings. The registration fee for the event is only 300 €, and discounts on fees are offered for PATENT partners and students.

The detailed programme is now available at: www.patent-dfmm.org

Contact:

George Bell, ISLI, UK
E-Mail: george.bell@sl-i-institute.ac.uk

DfMM Contact

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The NoE Patent-DfMM aims to establish a collaborative team to provide European industry with support in the field of "design for micro nano manufacture" to ensure that problems affecting the manufacture and reliability of products based on micro nano technologies (MNT) can be addressed before prototype and pre-production.



NoE Patent-DfMM Co-ordinator:
Andrew Richardson
University of Lancaster, UK
E-mail:
A.Richardson@Lancaster.ac.uk

NoE Patent-DfMM News Editor:
Patric Salomon
4M2C PATRIC SALOMON GmbH
E-mail: DfMM-news@4m2c.com

www.patent-dfmm.org