

Design for Micro & Nano Manufacture (DfMM) News

<http://www.patent-dfmm.org>

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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.

PATENT-DfMM Industrial Advisory Board (IAB) established

The PATENT-DfMM project consortium has decided to set up an Industrial Advisory Board that provides top-level guidance and feedback to the PATENT-DfMM Project Team, and ensures the work is focused on actions that are relevant to the needs of European industry.

The IAB will through their links into the network have faster access to project results, be able to guide/influence the strategy and project plan of the network, and help to disseminate the DfMM approach into European industry. It is expected that using the IAB in this sense will be one of the foundations to reach durable integration continuing beyond the period of EC financial support.

The links between the Industry Advisory Board (IAB) and the project will be facilitated through the project's work package 6 (led by Patric Salomon) in close co-operation with the overall project co-ordinator, Andrew Richardson. The IAB has elected Benedetto Vigna (ST Microelectronics, Milan/Italy) as the chairperson for the first year.

The IAB is expected to meet at least once every 12 months, with meetings usually taking place alongside a general project meeting or public workshop. Furthermore, IAB members are encouraged to participate in work group meetings of PATENT-DfMM. The next IAB meeting is scheduled for 29-30 November 2005 in Budapest.

Contact: **Patric Salomon**, 4M2C; E-Mail: patric.salomon@4m2c.com

List of IAB members

ST Microelectronics Srl	Italy	Benedetto Vigna (Chairman)
BAE SYSTEMS Advanced Technology Centre	United Kingdom	Ayman El-Fatary
C2V Concept to Volume	The Netherlands	Job Elders
Colibrys SA	Switzerland	Felix Rudolf
Coventor	The Netherlands, France	Siebe Bouwstra, Gerold Schröpfer
DELTA	Denmark	Karsten Hoppe, Jens Branjeberg
Dolphin Integration	Germany, France	Lars Voßkämper, Gilles Depeyrot
EnablingM3	The Netherlands	Henne van Heeren
European Space Agency	Belgium	Laurent Marchand
Infineon Technologies AG	Germany	Robert Aigner
MicRed	Hungary	Andras Poppe
MicroCircuit Engineering	United Kingdom	Steve Riches
National Physics Laboratory	United Kingdom	Graham Peggs
Oxley Developments Co. Ltd	United Kingdom	Kit Latham
Proton Mikrotechnik GmbH	Germany	Andreas Menz
Robert Bosch GmbH	Germany	Christoph Gahn, Reinhard Neul
SoftMEMS	France	Ridha Hamza
SUSS MicroTec AG	Germany	Markus Gabriel
The IMEGO Institute	Sweden	Katrin Persson, Leif Bergstedt, Gert Andersson
TRW Automotive Electronics	United Kingdom	Steve Prosser

NEXUS MWG "Design Modelling Simulation (DMS) of Microsystems" Meeting, 31 May 2005

The **NEXUS Methodology Working Group** "Design Modelling Simulation" (MWG-DMS) had a one day meeting that was jointly organized with the two Networks of Excellence PATENT-DfMM and AMICOM. Its objective is to share latest developments and ideas for "Design for Manufacture" and "RF MEMS Design" methodologies and their potential implementation into algorithms and design tools.

Session 1 chaired by Patric Salomon, discussed DMS Methodologies towards a "Design for Micro Nano Manufacture Approach" through presentations from the PATENT-DfMM project, the PROMENADE project and from IMTEK Germany and TIMA France.

Session 2 co-chaired by Larissa Vietzorreck (TU Munich) and Patric Salomon, discussed latest developments in DMS Tools for RF MEMS and DfMM and the needs for further developments.

The NEXUS MWG DMS meeting was part of a 1.5 days workshop of the PATENT-DfMM project held in conjunction with DTIP, the symposium on Design, Test, Integration and Packaging of MEMS and MOEMS, organized by TIMA. A clear interest in "Design for Manufacture" methodologies was expressed by industry, especially in the areas of materials property databases, reliability, test and packaging methodologies.

More information is available from the PATENT-DfMM website or from the coordinator of the NEXUS MWG DMS, Patric Salomon.

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DfMM Summer School

DfMM Summer School, 5-7 September 2005, Montpellier, France (<http://www.patent-dfmm.org/>)

Following the success of the 2004 DfMM Summer School in Livingston, Scotland, there are plans to run a similar event this year in Montpellier, France. This will be presented during 5-7 September 2005, and will include tutorials and technical presentations from the portfolio of training material which is currently being developed under the PATENT-DfMM Network of Excellence. Further details of the technical programme will be published later. Meanwhile, please register your interest by sending an email message to: events@sli-institute.ac.uk with "DfMM Summer School" as the subject.

Contact: **George Bell**, ISLI, Scotland, E-mail: George.Bell@sli-institute.ac.uk

For more details please see webpage:

http://www.patent-dfmm.org/site/events/summer_school2005.htm

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