

Announcement

**NEXUS Annual General Meeting
Preceeded by NEXUS MWG : Reliability & Test,
DfMM Tutorial Session and MEMUNITY workshop**

Politecnico di Milano, Milan, 27-29 November 2006

❖ 27th November (afternoon)

MEMUNITY workshop and PATENT-DfMM tutorials in MEMS reliability and test

❖ 28th November

NEXUS MWG in Reliability and Test

Featured topics: PATENT-DfMM Reliability Flagship Project, EURELNET, EPOSS, Caneus Pilot Project, MEMUNITY (Wafer level Test) and focus groups in failure mechanisms, fault modelling and fault simulation of integrated MEMS, accelerated testing and reliability indicators, industry needs & business models for reliability and test clusters, services in reliability and test;

❖ 29th November

**NEXUS Annual Members' Meeting (AGM)
EC FP7 workshop, organised by NEXUS**

Topics TBD depending on what is expected to be published within the European Commission's first Call of Framework Programme 7 in December 2006



For more details on the event and registration please contact:

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PATENT-DfMM and MEMUNITY Workshop, Tutorials and Equipment Demos

Milan, 27 November 2006

12:00 Registration + Snack

12:45 **Welcome and Introduction**
(Patric Salomon, 4M2C / enablingMNT)

13:00 **PATENT-DfMM Tutorial "Reliability issues in MEMS: physics of failure and design for reliability"**
(Ingrid De Wolf, IMEC)

14:30 **MEMUNITY Introduction "MEMS Test Challenges on Wafer level"**
(Frank-Michael Werner, Jens Klattenhoff, MEMUNITY)

15:00 Coffee break at "mini exhibition" (PATENT posters and MEMUNITY demo tables)

15:30 **PATENT-DfMM Tutorial "Damping Effects in MEMS"**
(Attilio Frangi, Politecnico di Milano)
Overview of techniques for evaluation of gas and solid damping at pressures ranging from ambient conditions (1 bar) to near vacuum (1 μ bar)

/ in parallel to /

MEMUNITY Equipment Demo:
"Automated membrane test using different techniques"

17:00 End of meeting

Networking Dinner - sponsored by PATENT-DfMM and MEMUNITY
(time and venue TBA)

NEXUS Methodology Working Group Reliability and Test

Organised by PATENT-DfMM in conjunction with Caneus and MEMUNITY

Milan, 28 November 2006

Morning Theme : Advances in Reliability & Test, Key Projects

- 09:00** Introduction (*Andrew Richardson, Lancaster University*)
- 09:30** Keynote: Reliability Challenges for MEMS Integration
(*Benedetto Vigna, ST Microelectronics*)
- 10:00** Reliability Flagship Project in NoE PATENT-DfMM (*Ingrid De Wolf, IMEC*)
- 10:30** Coffee break
- 11:00** Reliability Roadmap and other networks (TBA)
- 11:30** MEMS Reliability Challenges in EURELNET (*Yves Ousten, IXL*)
- 12:00** Map of activities – discussion
- 12:30** Lunch

Afternoon Theme : Future Networks, projects and collaboration

- 13:30** Caneus Pilot Project “Reliability” output and future business model
(*Philippe Perdue, CNES*)
- 14:00** Parameter Identification of Pressure Sensors at Wafer Level,
(*Steffen Michael, Melexis*)
- 14:15** MEMS Test Challenges: Applications, solutions and future visions,
(*MEMUNITY*)
- 14:30** Briefing on Breakout Sessions
- 14:45** Focus Groups
 - 1. Failure mechanisms, modelling and fault simulation
 - 2. Accelerated Testing, Test Strategies and Reliability indicators
 - 3. Collaboration / business models for future initiatives
- 15:30** Coffee break
- 16:00** Focus group reports
- 16:30** Discussion on actions and way forward
 - EC FP7 opportunities
 - Linking existing networks
 - Private sector funding

Networking Dinner - PATENT-DfMM and NEXUSplus (time and venue TBA)



NEXUS Annual General Meeting (AGM)

Milan, 29 Nov 2006 - Agenda

09:00 Introduction & Welcome (*Sean Neylon, Colibrys*)

09:15 Chairman's Report 2006 (*Sean Neylon, Colibrys*)

Transfer from France to Switzerland
Changes in Organisation
Future strategy / value to membership

10:15 Coffee break

10:30 Financial Report (*David Holden, CEA*)

Financial status 2006
Budget proposal 2007
Future funding

11:30 Election of members to Steering Committee

11:45 Questions

12:30 Close of meeting/ Lunch



NEXUSplus FP7 Workshop

Milan, 29 Nov 2006 - Draft Agenda

14:00 Introduction & Welcome (*Sean Neylon, Colibrys*)

14:15 Presentations:

- Overview Status of FP7 Call 1 and 2 (*EC, TBA*)
- IP/NoE future participation in FP7:
 - New skills, changes in objectives
 - e.g. Smarthealth, INTEGRAMplus, etc.
- Summary of other IP/NoE's
- MINOS presentation (TBA)

15:30 Interactive workshop: Round table thematic discussions

- Medical/ Life Sciences
- Harsh environment
- Consumer
- Transportation
- IT Multimedia
- MWG's (Design, Packaging, Test, Reliability)

16:30 Round table summaries