

Dear Patric Salomon,

Announcement



NEXUS MWG Reliability & Test, DfMM Tutorial Session and MEMUNITY workshop NEXUS Annual General Meeting and FP7 Workshop

Politecnico di Milano, Milan, Italy, 27-29 Nov 2006

The "NEXUS Methodology Working Group (MWG) in Reliability and Test" was launched in December 2005 in close collaboration with the PATENT-DfMM project and MEMS Industry Group (MIG) in the US. A joint public workshop with MEMUNITY will take place at the Politecnico di Milano on 27 - 28 November 2006.

The NEXUS Association Annual General Meeting (AGM) and a NEXUS plus Workshop to prepare for the first Call of the 7th Framework Programme (FP7) of the European Commission will be held in conjunction on 29 November.

Please find the provisional agenda for this 3-day event below:

27 November (afternoon)

PATENT-DfMM and MEMUNITY Workshop, Tutorials and Equipment Demos

28 November

NEXUS Methodology Working Group Reliability and Test, in conjunction with Caneus and MEMUNITY

29 November

NEXUS Annual General Meeting (AGM), EC FP7 Workshop (organised by NEXUS Association)

Registration Form

Venue

27 November 2006

PATENT-DfMM and MEMUNITY Workshop, Tutorials and Equipment Demos

- 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

28 November 2006

NEXUS Methodology Working Group Reliability and Test

Morning Theme : Advances in Reliability & Test, Key Projects

- 9:00** Introduction (*Andrew Richardson, Lancaster University*)
- 9:30** 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

29 November 2006
NEXUS Annual General Meeting (AGM) and EC FP7 Workshop

Morning: NEXUS AGM

- 9:00 Introduction & Welcome (*Sean Neylon, Colibrys*)
9:15 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

Afternoon: NEXUS plus FP7 (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, Integram, 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
17:00 Close

Registration Form

To register for the meetings, please complete and forward the following lines to Lorna Quinn (Lancaster University) at: L.quinn@lancs.ac.uk (Fax: +44 1524 381707, Phone: +44 1524 593053)
Participation is free of charge

Name :

Organisation:

Address:

Telephone number:

Mobile number:

E-Mail address:

Please tick the boxes

- I will attend the PATENT-DfMM / MEMUNITY events on the afternoon 27th November
- I will attend the Evening meal on the 27th November
- I will attend the MWG on Reliability and Test 28th November
- I will attend the Evening meal on the 28th November
- I will attend the NEXUS AGM on the morning 29th November
- I will attend the NEXUS FP7 workshop on the afternoon 29th November
 - Round table on *Medical/Life Sciences*
 - Round table on *Harsh environment*
 - Round table on *Consumer*
 - Round table on *Transportation*
 - Round table on *IT Multimedia*
 - Round table on *MWG's (Design, Packaging, Test, Reliability)*
- I have special dietary requirements, please state:

Venue

The meetings will take place at the Politecnico di Milano (www.polimi.it)
The address is: Piazza Leonardo da Vinci 32, 20133 Milan, Italy
Local organiser: Prof. Alberto Corigliano, Office Phone: + 39 02 2399 4209
Nearest Metro Station: Piola - Green line (2)

We recommend the Hotel Lombardia (www.hotellombardia.com) which has a "Politecnico" rate of 85€ for a single room and 128€ for a double room, breakfast included. It is at walking distance from Politecnico (approx 10 minutes). You can either make your booking by E-mail info@hotellombardia.com or phone +39 022892515.

Please make your own hotel reservation!

If you have any questions concerning the meeting and registration, please forward them to:
Lorna Quinn (Project Manager of PATENT-DfMM)
E-mail: L.Quinn@lancaster.ac.uk, Phone: +44 1524 593053

PATENT-DfMM contact:

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Contact MEMUNITY:

Frank-Michael Werner, E-Mail: fmwerner@sussdd.de
and Jens Klattenhoff, E-Mail: j.klattenhoff@polytec.de
www.memunity.com

This event announcement will be sent to the PATENT-DfMM and NEXUS mailing lists. We apologise in case you receive the announcement twice.

The next regular DfMM newsletter is planned for 6th November 2006.
Please feel free to send us any DfMM-related news that might be of interest for our readership.

This e-mail newsletter contains public information, only. Please feel free to distribute it to anyone who might be interested in the topics.

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