NoE PATENT-DfMM to accept additional Project Partners

The EC-funded Network of Excellence PATENT-DfMM aims to build a new technical community to address the problems of designing Micro & Nano Technology based products that are reliable, testable and manufacturable. PATENT-DfMM has identified a need for additional partners in the following areas:

- Design for Testability
- Packaging of Fluidic based Devices and Systems
- Fluidics and Bio-MEMS Reliability Engineering

A "Call for new Contractors" is planned to be published on the project's website in Jan 2005. The call is scheduled to be open until 28 Feb 2005 for proposals from universities, research centres and companies who have a proven international reputation in the above fields. As the existing partners have committed a significant resource of their own to the programme in preparation, negotiation and in-kind support to the objectives of the project, applicants should clearly demonstrate not only what skills and resources they would make available to the NoE but also what their institute or company will contribute.

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DfMM Training and Business Development Projects launched

Being an FP6 Network of Excellence, PATENT-DfMM has a very flexible approach to distribute budgets within the project. In an annual (internal) review, which is supported by the Industry Advisory Board (IAB), priorities for the next period will be set. Internal calls for project proposals are launched throughout the year.
The following internal projects have been launched recently:
Training Course Development
Course of MEMS Failure Analysis (IMEC)
Course in MEMS Packaging, Modelling & Analysis (IZM, IEF, ULAN, HWU, IMEC)
Distance Learning Course in MEMS Modelling (ULAN)
PATENT-DfMM Business Development
Access Service for MNT based Sensors (Qinetiq, ULAN, 4M2C).
This project will build a concept to extend the Europractice INTEGRAM service to DfMM and Packaging forming a core dissemination route for the PATENT-DfMM services portfolio.
PATENT-DfMM SME Support
Application of MEMS Test Strategies to MEMS for Detecting Faults in Aircraft Wiring (ULAN, BCF Designs, HWU).
Integration of DfT and test know-how into a new MEMS device to be designed and commercialised by an SME. Success will result in investment in the NoE PATENT-DfMM.
More information is available from the PATENT-DfMM website www.patent-dfmm.org

Andrew Richardson
Patric Salomon

Industry Partners sought for "Bio-sensor Design for Testability Project"

This project is running under the NoE PATENT-DfMM WP1 and involves MESA+ (Twente), LIRMM (Montpellier) and Lancaster University. Work has to date been based around published devices. The team are now looking for a good combination point between the design for Testability (DfT) techniques and the specific properties of the integrated bio-sensor system to give an appropriate DfT structure and compensation circuitry to the bio-sensor array.
We are looking for an industrial partner who can provide a demonstrator and a manufacturing route for prototypes. As a result of the project, the industry partner will receive detailed information about the DfT strategies developed and the project partner's work.

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PhD Job Opportunity at Lancaster University: Management & Coordination Support Officer

Lancaster University is seeking applications from highly motivated individuals to join the PATENT-DfMM project coordination team that currently consists of legal and contract specialists, financial support and overall project coordination. Duties would include:

- General project management including monitoring of deliverables and support to the project management board
- Business Development including investigation of risk and contractual issues associated with business models, building inventories of skills and expertise and portfolio development for the technical
- Coordination of funding requests and support to the universities research support office in account management.

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DfMM Contact

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Information Society Technologies

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.

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