



## **NoE PATENT-DfMM:**

### **Subcontracts open to project partners and to the public**

#### **About the Network of Excellence "PATENT-DfMM":**

The "Design for Micro & Nano Manufacture (PATENT-DfMM)" Network of Excellence (NoE) has been launched in January 2004 and will be funded by the EC for 4 years. The project aims to establish a new technical community that will address the underlying engineering science to ensure that problems affecting the manufacture and reliability of products based on micro & nano technologies (M&NT) can be addressed before prototype and pre-production. PATENT-DfMM is planning to integrate what are currently isolated and dispersed groups with valuable skills, create critical mass in the field of Design for Micro & Nano Manufacture in Europe and provide researchers with access to state-of-the-art equipment and technology. PATENT-DfMM will provide services to industry in the form of a one-stop shop. These services will be based on the combined skills and resources of the new technical community formed by the project. PATENT-DfMM will work close with many other projects, networks and organizations worldwide and will organize a range of workshops and seminars.

More information: [www.patent-dfmm.org](http://www.patent-dfmm.org)

The PATENT-DfMM project is inviting tenders for three activities. All three calls for tenders are open to external groups and research partners from the PATENT-DfMM project. Tenderers may bid for one or more tasks.

The PATENT-DfMM Management Board plans to select the most appropriate tender(s) for final contract negotiations. Tenders to be sent to Patric Salomon, E-mail:

[Patric.Salomon@4m2c.com](mailto:Patric.Salomon@4m2c.com)

#### **Planned schedule:**

27 Aug 2004: call published

24 Sep 2004: deadline for tenders

08 Oct 2004: subcontracts agreed, briefing for subcontractor

... further schedule as mentioned in deliverables

31 Dec 2004: final reports due

#### **Any questions should be addressed to the leader of the PATENT-DfMM task force "dissemination and networking":**

Patric Salomon, 4M2C Patric Salomon GmbH, E-mail: [Patric.Salomon@4m2c.com](mailto:Patric.Salomon@4m2c.com)

#### **Tasks to be subcontracted:**

Task 1 Set up an inventory of commercial Design Houses for M&NT in Europe.

Task 2 Set up an inventory of EDA providers (commercial and academic) for M&NT worldwide with main emphasis on Europe.

Task 3 Set up an inventory of standardisation activities (world-wide) that could be of interest to the PATENT-DfMM project.

#### **Detailed description, schedules and budgets:**

##### **Background information for task 1**

One of the objectives of the PATENT-DfMM project is develop DfMM methodologies that could be integrated into Design Houses' design flows. We like to discuss our ideas with Design Houses, but need a good overview on the companies that offer Design Services first.

### **Task 1**

Set up an **inventory of commercial Design Houses for M&NT in Europe**, supply contact information, and analyse Design House business models towards the objectives of the PATENT-DfMM project.

Present preliminary findings to Europractice Design Houses (at Europractice November 2004 meeting; exact date to be confirmed later).

Present findings at the next PATENT-DfMM project meeting (end November 2004; exact date to be confirmed later).

### **Deliverables**

D1.1 Presentation to Europractice Design Houses: mid/end November 2004, date tbd.

D1.2 Presentation at PATENT-DfMM project meeting: end November 2004, date tbd.

D1.3 Report: Inventory of commercial Design Houses for M&NT in Europe, including contact information, and analysis of Design House business models towards the objectives of the PATENT-DfMM project. This should lead into a PATENT-DfMM internal report and action plan on Design Houses' involvement in the project. Deadline 31 Dec 2004.

### **Budget for Task 1:**

€ 3000 plus travel for 2 presentations.

### **Background information for task 2**

One of the objectives of the PATENT-DfMM project is develop DfMM methodologies that could be integrated into commercial Electronic Design Automation (EDA) tools. We like to discuss our ideas with EDA companies, but need a good overview on the companies that offer EDA tools first.

### **Task 2**

Set up an inventory of **EDA providers (commercial and academic) for M&NT** worldwide with main emphasis on European ones, supply contact information, and analyse EDA providers' business models towards the objectives of the PATENT-DfMM project.

Present findings at the next PATENT-DfMM project meeting (end November 2004; exact date to be confirmed later).

### **Deliverables**

D2.1 Presentation at PATENT-DfMM project meeting: mid/end November 2004, date tbd.

D2.2 Report: Inventory of EDA providers (commercial and academic) for M&NT worldwide with main emphasis on European ones, including contact information, and analysis of EDA providers' business models towards the objectives of the PATENT-DfMM project. This should lead into a PATENT-DfMM internal report and action plan on EDA providers' involvement in the project. Deadline 31 Dec 2004.

### **Budget for Task 2:**

€ 3000 plus travel to PATENT-DfMM project meeting.

### **Background information for task 3**

The PATENT-DfMM project needs to take standardisation activities into account, so an inventory of activities and contact information is needed.

### **Task 3**

Set up an **inventory of standardisation activities (world-wide)** that could be of interest to the PATENT-DfMM project, especially in the following areas: Design for Test, Design, Simulation, Modelling, Reliability Engineering, and Package Engineering (all these for Micro & Nano technologies).

### **Deliverables**

D3.1 Report: Inventory of standardisation activities that could be of interest to the PATENT-DfMM project, including contact information of European contact persons of standardisation groups (where available).

Deadline 31 Dec 2004.

### **Budget for Task 3:**

€ 3000.