

## NaPa - Emerging Nanopatterning Methods - A route to cost-efficient, flexible and scalable nanotechnologies

**NaPa Day 2007**  
**Monday, 29th October 2007**

10:00	Coffee and registration	
10:30	Address of welcome by the organizers	Gabi Grützner, CEO of <i>micro resist technology GmbH, D</i> Prof. Jürgen Brugger <i>EPFL, Lausanne, CH</i>
Opening:	Introduction to NaPa	Prof. Jouni Ahopelto, Coordinator of NaPa <i>VTT Micro and Nanoelectronics, FI</i>

### Nanopatterning Technologies

11:00	Quick & clean: Surface processing through nanostencils	Prof. Jürgen Brugger, <i>EPFL, Lausanne, CH</i>
11:30	Recent developments in soft lithography and self-assembly	Dr. Heiko Wolf, <i>IBM Research Laboratory, CH</i>
12:00	Nanoimprint Lithography in NaPa - steps towards a library of processes	Dr. Helmut Schift, <i>Paul Scherrer Institut, Villigen, CH</i>
12:30	Lunch	

### Applications of NaPa Technologies

14:00	Polymer microchip lasers - Nanoimprint in optical and fluidic applications	Prof. Anders Kristensen, <i>Technical University of Denmark (MIC), DK</i>
14:20	Application in the automotive industry	Ing. Vito Lambertini, <i>Centro Ricerche FIAT, I</i>
14:40	Fluidic nanoprobe patterning	Dr. André Meister, <i>CSEM, CH</i>
15:00	NIL stamp provider - NaPa spin-off company	Theodor Nielsen, <i>CEO of NIL Technology, DK</i>
15:20	Coffee Break	

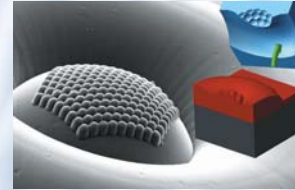
### Nanoimprint Lithography 1997 - 2007: Looking back and into the Future

16:30	Introduction 10 years of thermal NIL	Prof. Lars Montelius, <i>Lund University (LU), S</i>
16:50	NIL - Equipment with a high throughput	Babak Heidari, <i>Obducat, S</i>
17:05	UV NIL for industrial applications	Christian Moorman, <i>CEO of AMO GmbH, D</i>
17:25	Perspectives of Nanoimprint Lithography: looking at the future	Dr. Mike Watts, <i>Impattern Solutions Inc., USA</i>
17:45	Closing remarks Poster viewing and reception	Prof. Jouni Ahopelto, Coordinator of NaPa <i>VTT Micro and Nanoelectronics, FI</i>
19:00	Dinner	



**Six Subprojects:**

- Nanoimprint Lithography (NIL)
- Soft Lithography & Self-Assembly (SLASA)
- MEMS Based Nanopatterning (MEMS)
- Materials
- Tools
- Modelling & Simulation



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**Magnus-Haus**

Scientific meeting centre of the  
German Physical Society

History of the Magnus-Haus

The Magnus-Haus which was built in 1760 is closely connected to the history of physics by the work of many outstanding scientists. It is placed in the cultural heart of Berlin.

In the 18th century J. L. Lagrange, one of the founders of analytical mechanics, lived and worked here. In 1840 the house was bought by Gustav Magnus, the professor of technology at the University of Berlin. He was rather wealthy and established a physics laboratory with his own private funds in his house. This also served the purposes of the university and is regarded to have been the oldest physics institute in Germany.

Magnus died in 1870. Later on the house was rented by the famous theatre director Max Reinhardt.

In 1958, on the occasion of Max Planck's 100th birthday, the house was entrusted by the government of the German Democratic Republic to the Physical Society for permanent use.



Today the Magnus-Haus serves as a meetings centre for the German Physical Society with emphasis on bringing together science, industry, and politics.

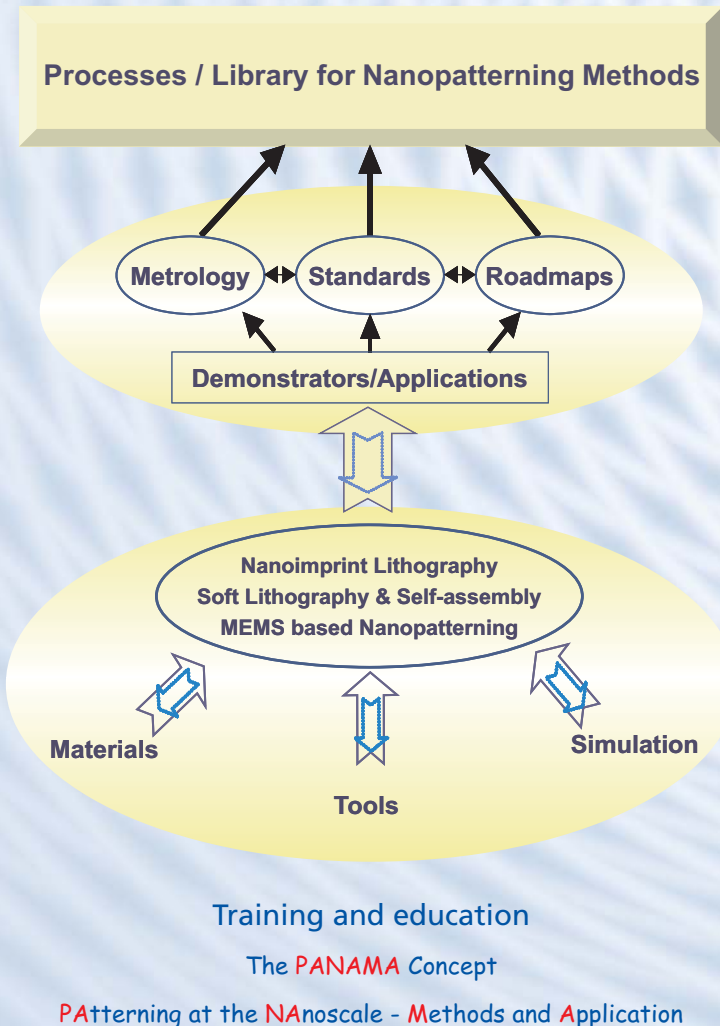
The NaPa consortium has the mission to develop a library of processes for nanopatterning based on novel methods like nanoimprint lithography, soft lithography, self assembly, stencilling, scanning probes and UV-nanoimprint lithography.

The consortium is composed of 35 teams from 14 countries belonging to the leading nanofabrication laboratories in Europe.

NaPa is funded by the European Commission and by the partners themselves.

FP6 Integrated Project  
NMP Thematic Priority  
Duration 48 months (March 2004 - February 2008)  
Contract no.: NMP4-CT-2003-500120

[www.NaPaIP.org](http://www.NaPaIP.org)



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Reply Slip

Please send your answer by 2007-10-15 by mail, fax or e-mail to our address, overleaf.

I will attend   
I will not attend

Name .....

First name .....

Company .....

E-Mail .....

# NaPa • Day 2007

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You can make reservations directly at the hotels, we have blocked some rooms in the name of: micro resist technology, Ms Becker.

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# INVITATION to participate in

## NaPa • Day

### Advanced Training on "Emerging Nanopatterning Methods" based on Results of the Flagship European Project "NaPa"

## 29 October 2007

## Magnus-Haus

Meeting centre for the German Physical Society  
with emphasis on bringing together  
science, industry, and politics.

## In Berlin/ Germany