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 micro resist technology GmbH, D Prof. Jürgen Brugger, EPFL, Lausanne, CH
Opening: Introduction to NaPa
Prof. Jouni Ahopelto, Coordinator of NaPa
VTT Micro and Nanoelectronics, FI

Nanopatterning Technologies

11:00 Quick & clean:
Surface processing through nanostencils
Prof. Jürgen Brugger, EPFL, Lausanne, CH

11:30 Recent developments in soft lithography
and self-assembly
Dr. Heiko Wolf, IBM Research Laboratory, CH

12:00 Nanoimprint Lithography in NaPa - steps towards a library of processes
Dr. Helmut Schift, Paul Scherrer Institut, Villigen, CH

12:30 Lunch

Applications of NaPa Technologies

14:00 Polymer microchip lasers - Nanoimprint in optical and fluidic applications
Prof. Anders Kristensen, Technical University of Denmark (MIC), DK

14:20 Application in the automotive industry
Ing. Vito Lambertini, Centro Ricerche FIAT, I

14:40 Fluidic nanoprobe patterning
Dr. André Meister, CSEM, CH

15:00 NIL stamp provider - NaPa spin-off company
Theodor Nielsen, CEO of NIL Technology, DK

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, Lund University (LU), S

16:50 NIL - Equipment with a high throughput
Babak Heidari, Obducat, S

17:05 UV NIL for industrial applications
Christian Moorman, CEO of AMO GmbH, D

17:25 Perspectives of Nanoimprint Lithography: looking at the future
Dr. Mike Watts, Impattern Solutions Inc., USA

17:45 Closing remarks
Poster viewing and reception
Prof. Jouni Ahopelto, Coordinator of NaPa
VTT Micro and Nanoelectronics, FI

19:00 Dinner

September 07, 2007
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.
INVITATION to participate in

NaPa ● Day

Advanced Training on “Emerging Nanopatterning Methods” based on Results of the Flagship European Project “NaPa”

29 October 2007

In Berlin/ Germany

Magnus-Haus

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

Deutsche Physikalische Gesellschaft e.V.
Magnus-Haus
Am Kupfergraben 7
10117 Berlin
www.dpg-physik.de/magnus/
U/S-Bahn: Friedrichstraße
Bus: Nr.100, Staatsoper

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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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If desired we will gladly send you more information on hotels near the event.

The background image is courtesy by:
CNR - Istituto Nazionale per la Fisica della Materia

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

I will attend O
I will not attend O

Name ........................................
First name ..................................
Company ...................................
E-Mail ......................................