

NILindustrialday



March 14 – 16, 2013 Crowne Plaza – The Pitter Rainerstrasse 6-8, 5020 Salzburg (AT)



















NANOIMPRINT LITHOGRAPHY (NIL) APHY (NIL)

... the technology

Large area nanostructuring is one of the main problems in nanotechnology. Nanoimprint Lithography (NIL) provides a versatile and cost efficient solution to achieve ultra high quality, large area nanostructures. In all variants of NIL, a nanostructured stamp is brought into contact with the substrate, resulting in a pattern transfer. Well known variants of NIL are hot embossing, UV-based nanoimprint lithography (UV-NIL) and micro- or nano-contact printing $(\mu$ -/n-CP).

NILAUSTRIATRIA

... the project

The idea behind NILaustria is to advance NIL by using it for various applications in basic as well as applied research and also addressing bottlenecks. The use of NIL for different processes and purposes will improve its performance and its possibilities to find a large range of industrial uses. With nanotechnology on the brink of its full commercial impact NIL will be an essential tool to make its full potential available and NILaustria is ready to supply the necessary input.

The project cluster NILaustria is funded by the Austrian Federal Ministry for Transport, Innovation and Technology within the Austrian Nanoinitiative (www.nanoinitiative.at). More information on the individual projects and the project consortium can be found on this webpage: www.nilaustria.at

For companies interested in NIL and in NILaustria there is the possibility to join the Business Interest Group (BIG). Members of this group will be informed at first hand of the non-confidential results of the projects and can contribute their views and ideas. Yearly meetings are organized where NILaustria members and members of the BIG exchange their ideas and views. The BIG meeting takes place at March 14 in the morning. To join the BIG please contact iris.bergmair@profactor.at.

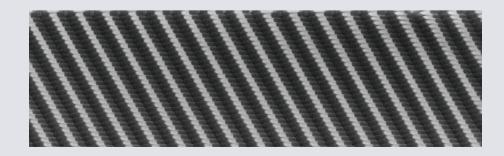
THE NIL INDUSTRIAL DAY INDUSTRIAL DAY

... the event

This time the NILindustrialday is hosted by PROFACTOR, the coordinator of the NIL-austria project cluster. The international symposium will start on Thursday, 14 March after lunch-time. The lectures will finish on Friday, 15 March after lunch. The scientific part will be followed by networking activities (at Friday afternoon sight-seeing in Salzburg and at Saturday, March 16 skiing in the mountains near Salzburg).

The program will provide ample opportunities to share ideas and discuss technical and process details related to Nanoimprint Lithography. Internationally recognized experts will discuss high-lights and trends complemented by oral and poster presentations of the latest R&D results. The dialogue between R&D and industrial people will be stimulated through a small industrial exhibition.

The agenda covers all relevant facts, ranging from materials for Nanoimprint Lithography, NIL equipment, all major imprint processes to business-relevant applications: NIL is leaving academics and becoming commercially relevant in many business areas. We are presenting both, the state of research and possible commercial use of NIL in optics, life sciences and anti-counterfeiting.



PROGRAM*

March 14, 2013

Industrial Day (part 1)

12:00 Registration14:00 Welcome

14:15 **Session I** Introduction

Materials Stamps

15:25 Break

15:50 **Session II**

Equipment (processes)

17:30 Closing

19:00 Conference Dinner in baroque hall of restaurant

Stiftskeller (www.stpeter-stiftskeller.at)

March 15, 2013

Industrial Day (part 2)

09:00 Welcome
09:20 Session III - Applications I
Optics (microoptics, diffractive optics, wavegui-

des)

10:40 Break

11:10 Session IV - Applications II

Life Sciences (structures and cell response, nanostructured smart consumables)

Security (anti-counterfeiting)

12:20 Closing

12:30 Lunch

Industrial Day (networking)

12:30 Sight-Seeing in Salzburg

17:00 Visit of "Museum der Moderne"

19:30 Dinner in restaurant M32 (m32.at)

March 16, 2013

Industrial Day (networking) not included in conference fee

07:30 Transfer to ski area (incl. rental of equipment)

09:00 skiing (we will also offer an alternative program for

those, who don't like to go skiing too)

17:30 Transfer back to Salzburg in the evening.

List of speakers (to be updated regularly):

I. Bergmair, PROFACTOR

T. Glinsner, EV Group

M. Irmscher, IMS Chip

J. Law, IMRE, a*star

L. Lindvold, Stensborg A/S

A. Prinz, Sony DADC

V. Reboud, CEA-LETI Minatec

K. Schmidegg, Hueck Folien

M. Verschuuren, Philips Research

M. Vogler, micro resist technology

S. Westenhöfer, Heptagon

^{*}the content is subject to change

ORGANIZER ZER



PROFACTOR is a private, applied research company with headquarters in Stevr and Vienna which researches and developes industrial production technologies. PROFACTOR acts as an interface between science and business. Since 1995 PROFACTOR has demonstrated what can be created with applied production research. More than 400 customers in more than 1,240 projects have trusted PROFACTOR so far - from small businesses to enterprises. PROFACTOR coordinates the NILaustria cluster since 2008.

Profactor GmbH Functional surfaces and nanostructures Im Stadtgut A2 A-4407 Steyr-Gleink www.profactor.at

micro resist technoll · Jav

micro resist technology develops and produces photoresists and materials for advanced lithography and nanoimprint lithography as well as hybrid polymers for micro-optical applications. The customer services range from lithographic patterning of customers' substrates to the on-site introduction into production. micro resist technology's products are mainly used in MEMS applications, in the semiconductor industry, in optoelectronics, in new data storage media, and in nanotechnology. Over 50 % of the turnover is achieved through exports. A world-wide network of distributors supports this.

micro resist technology GmbH Koepenicker Str. 325 D-12555 Berlin www.microresist.de

SPONSORS













Austrian Ministry for Transport. Innovation and Technology









ADMINISTRATIVE AND GENERAL INFORMATION FOR MA

Registration and Fees

Information on registration is available on the conference website.

The registration form should preferably be completed online:

www.nil-industrialday.org

Deadline for registration: 22 Feb 2013

Participation fee: regular EUR 250,- (excl. 20% VAT)

BIG member EUR 220,- (excl. 20% VAT)

Early registration: until 24 Jan 2013

Participation fee: regular EUR* 220,- (excl. 20% VAT)

BIG member* EUR 190,- (excl. 20% VAT)

	Accom- modation	Parking space	Dinner (13 Mar)	BIG meeting	Conferen- ce Bag	Scientific Sessions	Coffee breaks & Lunches	Dinner (14 Mar)	Sight seeing	Dinner (15 Mar)	Skiing
Registration fee "regular" includes					X	х	x	x	х	x	
Registration fee "BIG member" includes			х	х	X	x	x	x	х	х	

^{*} please find more information about the NILaustria Business Interest Group (BIG) find here: www.nilaustria.at/300.0.html

Imprint

Overall coordination
PROFACTOR GmbH
Functional Surfaces and Nanostructures
DI Dr. Michael Mühlberger (NILaustria Cluster manager)
Tel. +43 (0)7252/885-253 | e-mail: michael.muehlberger@profactor.at
industrial day contact: industrial.day@nilaustria.at

Publisher PROFACTOR GmbH A-4407 Steyr-Gleink, Austria I Im Stadtgut A2 Company register number: FN 129658z VAT-No.: ATU 38 42 05 07

Travel information

Crowne Plaza – The Pitter, Rainerstrasse 6-8, 5020 Salzburg (AT)

3Y TRAIN

Take exit "Salzburg main railway station". Distance: ~ 700m

For walking to the conference hotel (~ 700m) turn left and follow the main street "Rainerstrasse". The conference hotel is located approximately 100 m after crossing the railway bridge on the left-hand side.

>> Train schedule

PLANE

Arrival at >> Salzburg Airport: // Distance: ~ 4,5 km

Either you take a taxi: \sim 15min. or the public bus number 2: \sim 30min.

Exit "Kongresshaus"

>> Bus schedule

Arrival at >> Munich Airport: // Distance: \sim 180 km // Train: \sim 2h30min.

>> Train schedule

OV CAD

Take exit "Salzburg Nord". Distance: ~ 4,0 km

Follow the main street, cross under the railway bridge, until the end of the street. Turn right into "Schallmooser Hauptstrasse" and take the sixth exit on the right into "Franz-Josef-Strasse" and follow this road until the end. Turn right into "Rainerstrasse". The conference hotel is located on the right-hand side after about 100 m. An indoor parking space is available.

http://goo.gl/maps/VaYkW