



MicroBUILDER Workshop at NBC 2008

June 19th 2008

Microtechnology based Medical Devices.
Development and production services
supplied by
the microBUILDER consortium.



Registration

Registration online at www.microbuilder.org
You may also register via fax:
Fax: +47 22 06 73 50 to Ms. Annebeth Osa
or via email to annebeth.osa@sintef.no with the
keyword "microBUILDER in Riga"you're your
contact details.

For questions please contact:
Dr. Morten Borch
Tel.+47 90528151
Email: Morten.Borch@sintef.no

Fax to Annebeth Osa

- *This is my registration*
- *I am interested in further information*

Company: _____

Name : _____

Address : _____

Tel : _____

Email: : _____

The workshop is free of charge.
Please send us your registration until the 30th of May 2008.

Organisation

14TH NORDIC BALTIC CONFERENCE ON BIOMEDICAL ENGINEERING AND MEDICAL PHYSICS NBC-2008

June 16-20, 2008, Riga, Latvia

The Nordic-Baltic [Conference](#) on Biomedical
Engineering and Medical Physics is held every third
year in one of the Nordic – Baltic countries under the
auspices of the International Federation for Medical
and Biological Engineering.

NBC - 2008 will take place on June 16-20, 2008. For
the first time NBC is coming to Riga - the capital city of
Latvia. Conference papers will be published in the
IFMBE processing series.

The Conference will bring together science, education
and business under the motto "Cooperation for
health".



The organiser of this workshop is SINTEF ICT
Department of Microsystems and Nanotechnology
Address:
P.O. Box 124, Blindern, 0314 Oslo Norway
Location:
Gaustadalléen 23 C, 0373 Oslo, Norway
Tel: + 47 22 06 73 00
Fax: + 47 2206 73 50
e-mail: abr@sintef.no
www.sintef.com

The SINTEF Group is the largest independent
research organisation in Scandinavia. We generate
new knowledge and solutions for our customers,
based on research and development in technology,
the natural sciences, medicine and the social
sciences.

<p>About the workshop on June 19th 2008</p>	<p>Time</p>	<p>Presentations and Speakers</p>
<p>Technologies based on the integration of Micro Electro Mechanical Systems (MEMS), including silicon based sensors with polymer microfluidic devices and functionalized surfaces, have emerged at breathtaking speed during the last 10 to 15 years. The transition from demonstrators for use in research labs to mass fabrication has, however, only partly met initial expectations.</p>	<p>14:15</p>	<p>Lunch sandwiches / beverages</p>
<p>This workshop will survey customized design, prototyping and fabrication services as offered by some of Europe's leading silicon microsystem and high precision plastic system manufacturing as well as design players. These services are supported and made available through the European integrated project, "microBUILDER" (www.microbuilder.org) and gives direct access to complete solutions for development and production of mixed microtechnology devices.</p>	<p>14:30</p>	<p>Introduction and overview of the microBUILDER services. Prof. Dr. Liv Furuberg , SINTEF ICT</p>
<p>High level speakers will give an overview of the various available technologies and services including design, training and fabrication as well as demonstrating possibilities of combining these technologies in the process of making new miniaturized medical device. Further, available modular experimental platforms will be demonstrated. Sufficient time will be provided for questions and direct contacting.</p>	<p>14:55</p>	<p>microBUILDER design services for medical applications Dr. David Hradetzky, HSG-IMIT</p>
<p>About microBUILDER microBUILDER is a consortium of nine European partners. microBUILDER offers industrial as well as academic users easy access to manufacturing services ranging from prototyping to series production. The goal behind this European integrated project is to facilitate the use of micro and nano technology in the development of new and innovative products with microfluidic applications.</p>	<p>15:15</p>	<p>Applications of microBUILDER mixed technologies. The combination of silicon, glass and plastics with functional surface layers. Dr. Ingelin Clausen, SINTEF ICT</p>
	<p>15:35</p>	<p>Chemical modification of surfaces. Introducing bioactive functionality and minimizing unspecific interactions Stig Morten Borch SINTEF ICT</p>
	<p>15:50</p>	<p>Break (coffee)</p>
	<p>16:00</p>	<p>MultiMEMS - the MPW Service of Infineon Technologies SensoNor Dr. Adriana Lapadatu Infineon Technologies</p>
	<p>16:10</p>	<p>Customized Lab on a chip solutions in polymer technology- From proof of concept to mass production Dr. Jay Taylor thinXXS Microtechnology AG</p>
	<p>16:25</p>	<p>Discussion / Feedback</p>
	<p>16:45</p>	<p>Training services - Christopher Grinde Vestfold University College (VUC)</p>
	<p>16:55</p>	<p>Summing up Prof. Dr. Liv Furuberg, SINTEF ICT</p>
	<p>17:00</p>	<p>Appetizers</p>

NOTES