



microBUILDER Workshop
at NBC 2008
June 19th 2008

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



microBUILDER
An integrated modular service for microfluidics

microBUILDER Workshop June 19th 2008:
NBC 2008 , Room "Gamma"

Time	Topics and speakers
12:30	Lunch sandwiches / beverages
13:00	Introduction and overview of the microBUILDER services Liv Furuberg (SINTEF ICT)
13:35	microBUILDER design services for medical applications David Hradetzky (HSG-IMIT)
14:00	Applications of microBUILDER mixed technologies. The combination of silicon, glass and plastics with functional surface layers Ingelin Clausen (SINTEF ICT)
14:25	Break (coffee)
14:40	Chemical modification of surfaces. Introducing bioactive functionality and minimizing unspecific interactions Stig Morten Borch (SINTEF ICT)
15:00	MultimEMS - the MPW Service of Infineon Technologies SensoNor Andreas Vogl (SINTEF ICT)
15:10	Customized Lab on a chip solutions in polymer technology- From proof of concept to mass production Jay Taylor (ThinXXS Microtechnology AG)
15:30	Training services Christopher Grinde (Vestfold University College)
15:40	Discussion / Questionnaire / Summing up
16:00	Appetizers

Registration:

microBUILDER workshop June 19th 2008

Please register at the conference registration desk before 18:30 on Wednesday June 18th.

Please use capital letters:

Name:

Company / organisation:

e-mail:



About the workshop on June 19th 2008

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.

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.

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.

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.

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microBUILDER partners:



SINTEF
www.sintef.no



HSG-IMIT
www.hsg-imit.com



Coventor
www.coventor.com



Infineon Technologies Sensor AS,
www.sensor.com



thinXXS Microtechnology AG
www.thinxs.com



tronics microsystems
www.tronics.eu



BME-ETT
www.ett.bme.hu



Vestfold University College (VUC)
www.hive.no



COREP
www.corep.it

SINTEF ICT Department of Microsystems and Nanotechnology (Norway) is the coordinator of the microBUILDER project of this workshop

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

**Registration form for the
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