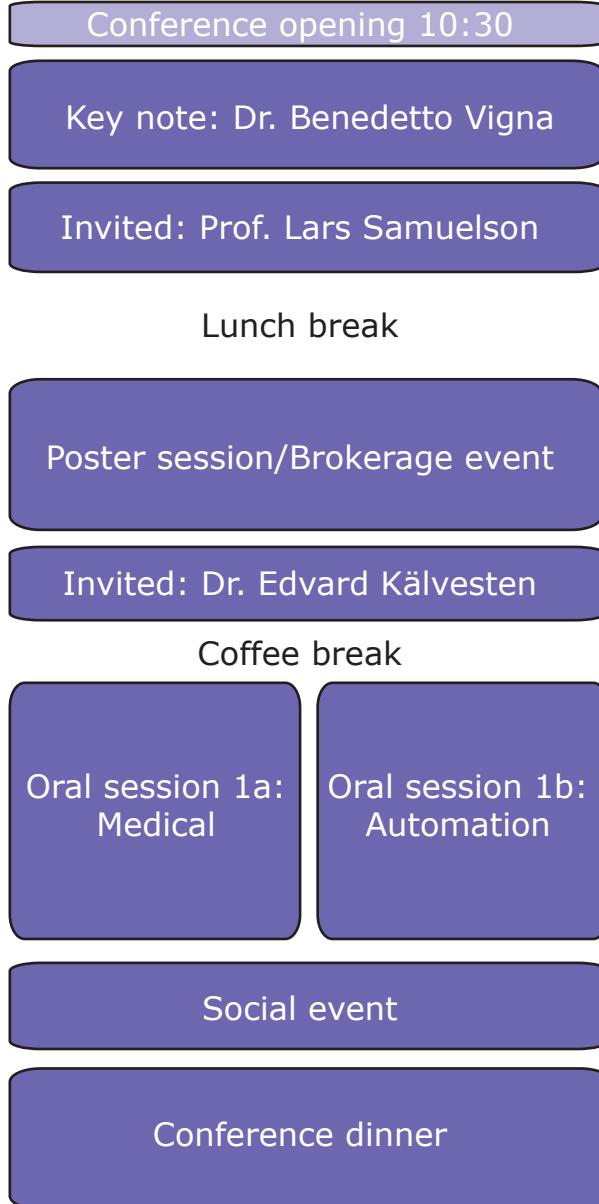
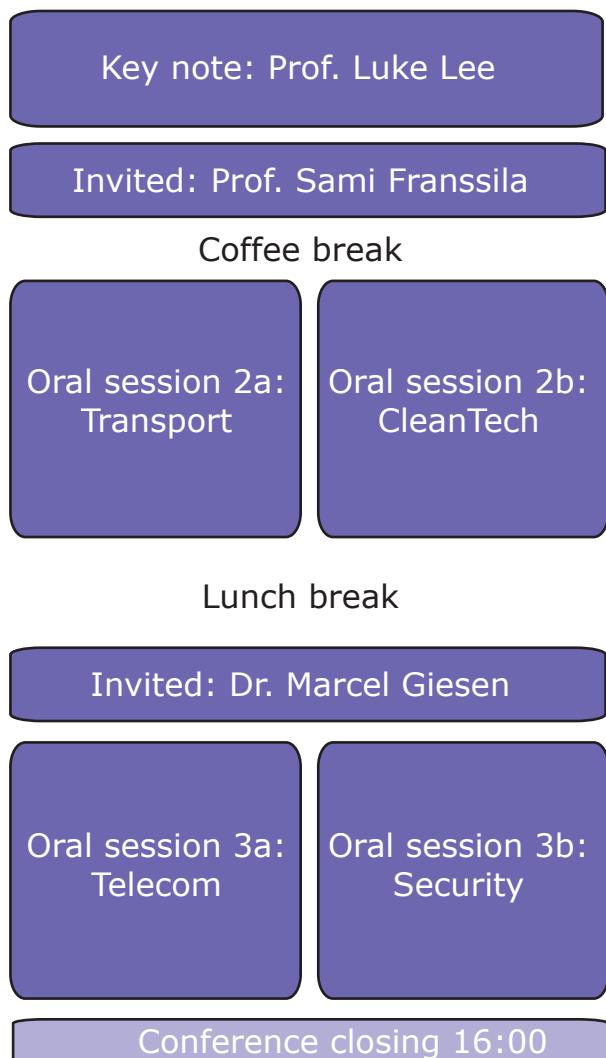


Tuesday, 4 May



Wednesday, 5 May



Scientific Program 4 May 2010

09.00– 10.30	Registration and Coffee	
10.30	Welcome G. Stemme & C. Vieider <i>Room: Repslagaren</i>	
10.40	Invited 1: A new RF-MEMSmetal via capping platform E. Kälvesten – Silex Microsystems AB <i>Room: Repslagaren</i>	
11.10	Invited 2: Chemical microsystems: nanoliters and attomoles S. Franssila – Aalto University <i>Room: Repslagaren</i>	
11.40	Lunch	
13.00	Poster Session	
15.00	Key Note: Nanoplasmonic satellites and optofluidic application specific Integrated Systems Prof. L. Lee, Dept. of Bioengineering, UC Berkeley <i>Room: Repslagaren</i>	
15.40	Coffee Break	
	Medical Technology <i>Room: Repslagaren</i>	Security & Safety <i>Room: Segelmakaren</i>
16.00	Nanoplasmonic sensing of cellmembrane mimics F. Höök – Chalmers	Technology for Modular and Reconfigurable Rapid Response Nanosatellites F. Bruhn – ÅAC AB
16.20	Breath alcohol sensor for emergency care J. Steggo – Hök Instr. AB	A microstructured magnetoresistive magnetometer for space applications A. Persson – UU
16.40	Microfluidic systems for point-of-care diagnostics W. van der Wijngaart – KTH	Ink-Jet printing of wireless surveillance tags with integrated sensor functionality H.-E. Nilsson – Mid University
17.00	Microfluidic based proteomics for biomarker discovery and early diagnostics F. Nikolajeff – UU	Scintillator matrix technology A. Sahlholm – Scint-X AB

Scientific Program 4 May 2010

Medical Technology

Room: Repslagaren

- 17.20 Self assembly monolayers of designed peptides on gold nanoparticles can act as specific sensors
D. Ilver – Imego AB

- 17.40 Acoustic whole blood plasmapheresis chip for psa microarray diagnostics
A.A. Tajudin – LU

18.00-
19.30 **Social Event**

20.00 **Conference Dinner**

Security & Safety

Room: Segelmakaren

- Quantum-well silicon-germanium bolometers for low-cost infrared imagers
F. Niklaus – KTH

- Low cost, high performance long wave infrared microbolometer
R. Audun – SensoNor A/S

Scientific Program 5 May 2010

08.30	Key Note: MEMS Move into Smart Sensors, B. Vigna, VP MEMS & Healthcare Product Division, ST Microelectronics. <i>Room: Repslagaren</i>	
09.10	Coffee Break	
	Cells on Chip <i>Room: Repslagaren</i>	Process & Packaging <i>Room: Segelmakaren</i>
09.40	Cell separation based on acoustophoresis and applications in health care. T. Laurell – LU	Low temperature cofired ceramics for mems bonding M.F. Khan – Chalmers
10.00	Microfluidic technologies for cell-based analysis of surface receptors with fast activation kinetics M. Karlsson – Cellecrticon AB	MEMS at Sintef D. Wang – SINTEF A/S
10.20	Organic bioelectronics E. Jager – LiU	Expanding in situ TEM instrumentation with MEMS technology A. Nafari – NanoFactory AB
10.40	Controlling cell interaction by ultrasound in a multi-well microplate M. Wiklund – KTH	Small but tough - microsystems for harsh environments K. Brinkfeldt – Swerea IVF
11.00	Bacteria isolation from whole blood for Sepsis diagnostics A. Russom – KTH	Low resistive metallic through silicon via A. Ljunggren – ÅAC AB
11.20	Microstructures cell culturing platform for qualitative neuroscientific studies T. Schönberg – Acreo AB	Low-cost Through Silicon Vias (TsVs) with wire-bonded metal cores and low capacitive substrate-coupling A. Fischer – KTH
11.40	Lunch	

Scientific Program 5 May 2010

		CleanTech & Automation <i>Room: Repslagaren</i>	Telecom <i>Room: Segelmakaren</i>
12.40	New cost effective micro fuel cell charger A. Lundblad – MyFC		Microwave MEMS activities at KTH J. Oberhammer – KTH
13.00	Silicon carbide based sensor system for domestic biofuel boiler control B. Hammarlund - Sensic		High performance passive RF components for mobile communications I. Katardjiev – UU
13.20	IR-sensors for measurement of greenhouse gases H. Rödjemård – SenseAir		RF MEMS in a GaAs MMIC foundry process: applications and test results R. Malmqvist
13.40	Combining active control and conditioning based monitoring using smart embedded Piezo sensors and actuators H. Åkesson – Acticut		RF MEMS tuneable high-impedance metamaterial surfaces for millimeter-wave applications M. Sterner – KTH
14.00	Raw milk quality control using acoustophoresis C. Grenwall – LU		A miniaturized optical communication system for microspacecraft K. Palmer – UU
14.20	Micromirror arrays for maskless lithography T. Karlin – Micronic		Hot-wall MOCVD growth of hexagonal GAN pyramids for single-photon emitter ap A.Lundskog
14.40	Coffee Break		
15.10	Invited 3: RF-MEMS capacitive switches enable tunable RF for mobile devices M. Giesen - TDK-EPC Corporation <i>Room: Repslagaren</i>		
15.40	Invited 4: Nanometer structure consortium L. Samuelson – Lund University <i>Room: Repslagaren</i>		
16.10	Conference Closing <i>Room: Repslagaren</i>		
16.40	Transport leaves for optional tour at Electrum in Kista		
17.00	Tour of the Electrum laboratory cleanroom		