

Korea-Switzerland Joint Seminar

1. Title of Seminar:

The 3rd Korea-Switzerland Joint Symposium on New Materials and Process Issues in MEMS and Nano-Technologies

2. Period and Place:

June 19 ~ June 20, 2002, Jeju island, Korea

3. Coordinators:

Korea		Switzerland	
Name (Position)	Affiliation	Name (Position)	Affiliation
Kyung Hyun Whang (Director)	KIMM	Raphael Holzer (Professor)	EPFL

4. Participants:

Korea : 9 Persons
Switzerland : 9 Persons

5. Objective and Effectiveness:

Objective

Effectiveness

6. Program:

Date	Speaker	Affiliation	Topic for Presentation
June 19	Young-Ho Cho	KAIST	Nanoactuators and nanodetectors for MEMS
	Urs Straufer	UNINE	Multifunctional nanotools for experiments at the molecular level
	Jeong Hyun Lee	ICURIE-LAB	The performance of Micro Cooling System for Mobile Devices
	Roman Lanz	EPFL	Micromachined Bulk Acoustic Wave Devices for Microwave Filter Applications
	Dong Il Cho	SNU	Advanced Single-crystal Silicon Micromachining Method for High-performance MEMS using the Unique SBM and Double SBM Technologies
	Manfred Detterbeck	Nano World	Tilt-compensated High-aspect-ratio Tops for Semiconductor Applications
	Gyu Man Kim	EPFL	SAMs Meet MEMS : Self-assembled Monolayers for Dry Releasing of Photo-plastic MEMS and its applications
	Hyojin Nam	LG-ELITE	Integrated Piezoelectric PZT Cantilever Array for SPM Technology
	Juergen Brugger	EPFL	Nanostencil: An engineering Method Beyond Lithography

	Sangmo Shin	KETI	Inexpensive, High Throughput, Novel Approaches to Interconnecting Optical Fibers to Planar Optical Devices
	Dongsik Kim	POSTECH	Synthesis of Nanoparticles by Pulsed Laser Ablation of Consolidated Metal Microparticles
	Richard Soden	CSM Instrument	Characterization of MEMS Mechanical Properties using Nanoscale Techniques
	Won Seok Chang	KIMM	3D Micro Photomachining Technologies
June 20	Raphael Holzer	EPFL	Flexible Microelectrodes with Embedded Fluidic Microchannels and Nanoporous Membranes
	Shinill Kang	Yonsei Univ.	Replication Process Design for Fabrication of Micro-optical Components
	Lukas Rohr	EMPA	Mechanical Properties of Small Devices: From Nanoindentation to Reverse Analysis
	Sung Moon	KIST	3D MEMS Antenna Coupled Micro-bolometer
	Yves Leterrier	EPFL	Functional Layered Composites