

Korea-Switzerland Joint Seminar

1. Title of Seminar:

The 4th Korea-Switzerland Joint Symposium on Materials and MEMS for Life Science Applications

2. Period and Place:

Jan 29 ~ Feb 3, 2004, Les Diablerets, Switzerland

3. Coordinators:

Korea		Switzerland	
Name (Position)	Affiliation	Name (Position)	Affiliation
Won Seok Chang (Director)	KIMM	Juergen Brugger (Professor)	EPFL

4. Participants:

Korea : 10 Persons
Switzerland : 10 Persons

5. Objective and Effectiveness:

Objective

Effectiveness

6. Program:

Date	Speaker	Affiliation	Topic for Presentation
Feb 2	Young-Ho Cho	KAIST	DNA Processing Chips – Periodically Crossed Electrophoresis in Micropillar Array
	J.A. Manson	EPFL	Materials in Sports
	Arnaud Bertsch	EPFL	Composite Photopolymer Microstructures
	Gyu Man Kim	Kyungbook Univ.	SU-8 based Micro-/Nano-Tools for Life-Science Experiments
	Marc Heuschkel	Ayanda Biosystems SA	Multi-Electrode Array Biochips for Electrophysiology
	Won Seok Chang	KIMM	Scanning Probe Based Nanolithography
	Lukas Rohr	EMPA	Manipulation, Modification and Mechanical Testing of Small Objects Inside a Scanning Electron Microscope
	Seung Bum Hong	SAIT	High Density Probe Storage
	Harry Heinzlmann	CSEM	Nanotechnology for Life Science
	Sangmo Shin	KETI	MEMS & Bio System
	Marcus Textor	ETHZ	Self-organized Molecular Structures at Surfaces: Synthesis, Assembly Procedures, Surface Properties and Biological Applications

	Tae Song Kim	KIST	BioChip using MEMS Technology – BioMEMS Research Activities in KIST
Feb 3	Wuthrich	EPFL	Glass Microstructuring with Spark Assisted Chemical Engraving
	Kyung Hyun Choi	Jeju Univ.	HAM: 3D Micromachining Approach using Excimer Laser
	Thomas Maeder	Sensile SA	Integrated Microfluidic Devices Based on Low-Temperature Co-Fired Ceramic (LTCC) Technology
	SE Geun Park	Inha Univ.	Robustic Design of Micro Optical Bench for Fiber-to-Fiber Connection
	Bert Willing	IR μ systems SA	Infrared Detector Array for Industrial Instrumentation
	J.S. Rossier	Diagnoswiss SA	DISPOSABLE Polymer Based Electrochemical Microchips for Diagnostic and Proteomic Applications