

**Advanced Materials and Surfaces Day – Department 010**

**March 31, 2011**

**Topic: "Advanced Materials Characterisation"**

**Location: Akademie**

09:00h	<b>Welcome</b>	Pierangelo Gröning
09:10h	<b>Lecture:</b> <i>Making the invisible visible – modern methods of x-ray physics</i>	Christoph Quitmann (SLS, PSI)
09:50h	<b>Lecture:</b> <i>X-Ray Photoemission Spectroscopy and Scanning Tunnelling Microscopy beyond single spectra and topographic imaging</i>	Oliver Gröning (Lab. 127)
10:30h	<b>Coffee break</b>	
11:00h	<b>Lecture:</b> <i>MEMS Reliability and Testing using HRXRD</i>	Alex Dommann (CSEM)
11:40h	<b>Lecture:</b> <i>NMR Applications in Materials Science @ Empa</i>	Daniel Rentsch (Lab. 140)
12:20h	<b>Poster session and buffet lunch</b>	
14:30h	<b>Lecture:</b> <i>MeV Ion Beam Analysis of Materials</i>	Max Döbeli (LIP, ETHZ)
15:10h	<b>Lecture:</b> <i>Local Properties measured by Scanning Force Microscopy</i>	Hans Hug (Lab. 125)
15:50h	<b>Lecture:</b> <i>Micro- and Nanocapillary Electrochemical Material Surface Characterization</i>	Thomas Suter (Lab. 136)
16:30h	<b>Coffee bar and Open end</b>	