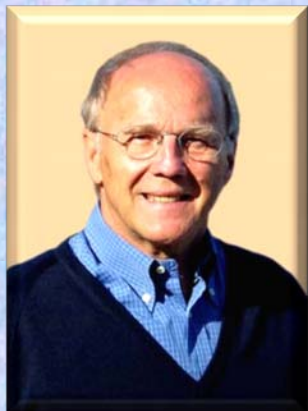


The 86th MANA Special Seminar



Micro/Nanofabricated Functional Probe Arrays and their Applications in Data Storage and Life Sciences

Chair: Dr. Masakazu Aono (MANA Director General)

Dr. Peter Vettiger

*EPFL IMT & CSEM, Neuchatel,
IBM Zurich Research Laboratory (Retired), Switzerland*

This presentation will give an overview on functional probes and arrays invented and developed at both IBM Zurich Research and EPFL IMT / CSEM , Neuchatel. The developed probes and arrays have been applied and successfully demonstrated for probe based data storage (Millipede at IBM), imaging and force spectroscopy in life sciences (ProbArt at EPFL/CSEM) and in the first AFM (EPFL) operated on Mars as part of the Phoenix Mission.

The talk will conclude with an outlook of the perspectives, challenges and additional applications of probe arrays.

Venue: Seminar Room #431, MANA Bldg.

Date: June 24th Wednesday Time: 15:00-16:00

Contact: International Center for Materials Nanoarchitectonics (MANA), Nakata (ex. 8806)

