

MRI DC meeting 05.02.2009 17:30 – 20:00

MIKES, Espoo

Participants:

Antti Pietiläinen (Chairman)
Petri Kärhä (Secretary)
Antti Lassila (Host)
Jouni Envall
Atte Haapalinna
Martti Heinonen
Björn Hemming
Jari Hovila
Erkki Ikonen
Toomas Kübarsepp
Antti Lamminpää
Farshid Manoocheri
Mikko Merimaa
Pasi Toivanen

1§ Formalities

Antti Pietiläinen, as the chairman, opened the meeting, welcomed everybody and thanked Toomas for hosting the last meeting in Estonia. MIKES and TKK were thanked for hosting this meeting. Petri Kärhä acted as the secretary.

2§ Presentations

Jouni Envall gave a nice presentation on Estonian satellite activities under title *ESTCube-1 and the Electric solar wind sail* (Promoting the Finnish spacecraft propulsion innovation by a test mission with the first Estonian satellite). ESTCube-1 (a Single cheap cube satellite 10x10x10 cm³) will be launched in 2012. The satellite will test electric solar wind sails to get out of the solar system (10 m tether).

Atte Haapalinna gave a presentation on Photodiode diffuse scatter / haze measurement. Nice work indeed.

Toomas Kübarsepp presented a device he had recently made, a 10-element transmission trap detector that can be used as an attenuator. Transmittance can be tuned by rotating due to purposely introduced polarization sensitivity.

3§ Round the table discussion

People briefly presented what they have done during the recent times:

Antti Pietiläinen works with packet timing at the Nokia Siemens Networks (NSN).

Farshid Manoocheri works at the Metrology Research Institute as a Teaching Research Scientist. His main research topics include PQED (quantum candela), fluorescence, and IR-technologies.

Jari Hovila works at the Finnish Meteorological Institute with satellites.

Pasi Toivanen works at Thermo Fischer Scientific as a physicist.

Mikko Merimaa works at the MIKES length section. His picture was taken to be added to the club page. Mikko told Greetings from Markku Vainio who presently works in Ottawa for the National Research Council, Canada, building an optical lattice clock with neutral strontium atoms.

Antti Lamminpää no longer works at VTT. Since February 2009 he works at Accenture as a business analyst.

Erkki Ikonen addressed the meeting by introducing news about the new Aalto University. Assessment of the research and the corresponding self assessment are taking place. For this purpose the placement record of the MRI doctors is most helpful. The MRI DC pages will be updated according to the information on these minutes. The data at <http://metrology.hut.fi/dc/> can be corrected at any time by sending an email to Petri Kärhä.

Atte Haapalinna has returned from paternity leave and works at Okmetic in his old duties.

Toomas Kübarsepp works with the Metrosert as R&D manager. Laboratory of precious metals has been joined into Metrosert.

Björn Hemming started his career with measurements already at VTT and was transferred to MIKES with the moving of national standards activities. He works at the length group with quantities such as roundness, flatness, cylindricity, straightness, and roughness.

Petri Kärhä works with the Metrology Research Institute as a Teaching Research Scientist. His work presently includes teaching and two projects on temperature measurements and ultraviolet ageing.

Antti Lassila is the head of the MIKES length group. He has recently been nominated as a Principal Metrologist

Jouni Envall has returned to Europe from NIST and works since August 2008 with the Tartu observatory and Tartu University (Mart Noorma's group). His research concentrates on satellites.

4§ Next meeting

Place and time for the next meeting was discussed. The next meeting will be on ~~August 27~~ **September 24** (Thursday) in Tampere Hosted by TTY. There will be two groups: 1. a noon group to visit labs, and 2. an afternoon group to join the meeting only. We will come back with a late train the same evening.

5§ Conclusions

The official meeting was closed after which there was a salad bar, sauna and refreshments.

Signatures

Antti Pietiläinen
Chairman

Petri Kärhä
Secretary