

**Metrology Research Institute Dr's Club
Minutes of a meeting**

1.12.2005

MRI DC meeting 08.11.2005 18:00 – 19:00

MIKES, Tekniikantie 1, Espoo

Participants:

Antti Pietiläinen (Chairman)
Petri Kärhä (Secretary)
Mikko Merimaa
Hannu Talvitie
Martti Heinonen
Farshid Manoocheri
Erkki Ikonen
Ville Voipio
Toomas Kübarsepp
Goëry Genty
Atte Haapalinna
Pasi Toivanen
Antti Lassila

1§ Web-pages

The web-pages of the Club (<http://metrology.hut.fi/dc/>) were discussed. Attendants were encouraged to submit their photographs to tarmo.simonen@tkk.fi to be included in the page.

Links can be added to the page, so participants can include e.g. a link to their company with their text.

Link to the page should be added to the main page of MRI.

Purpose of the club should be added in the beginning of the page.

2§ Purpose of the club

The purpose of the club was discussed. The aim of MRI DC was considered to be

1. Meeting the old friends once working with the Institute
2. Exchange of information between the participants
3. Support of graduate students at MRI

It was further discussed what the industrial members consider that MRI should be teaching to their students. The following areas were considered important:

1. Good skills and knowledge in basic theory, i.e. mathematics and physics. Knowledge on fundamental tools used in engineering (Simulation, Matlab, Electronics design, 3D-Cad, Optics simulation, LabView).
2. Electronics design from sensors to microprocessor. Analog techniques and EMC things were considered especially important as 20-bit AD-converters require resolution and noise levels in the range of microvolts.
3. Finding answers, that includes networking skills, international experience and so on.
4. Skills in experimental work, e.g. rapid prototyping: Improvising, innovations in small scale, prototyping, estimation of orders of magnitude.
5. Presentational skills.

3§ Next meeting

Hannu Talvitie volunteered to arrange the Next meeting in Vaisala around September 2006.
Preparations will start around May.

Signatures

Antti Pietiläinen
Chairman

Petri Kärhä
Secretary