

Absolute long distance measurement in air

JRP 3.1 - TP3 "Length" (T3.J3.1)



Dutch
Metrology
Institute

WORKSHOP ON LONG DISTANCE MEASUREMENT IN AIR

2nd October 2009 - VSL, Delft, The Netherlands

FINAL PROGRAMME

09:00-09:30	Coffee and Registration
09:30-09:45	Welcome to VSL, Opening by Albert Dalhuijsen, Director of VSL
09:45-10:00	Overview of the Joint Research Project (JRP) "Long Distance", <i>Jean-Pierre Wallerand, LNE-INM/Cnam, France</i>
	<i>Outdoor measurements and air index</i>
10:00-10:30	Talk 1 - Bringing a traceable scale to high-precision geodetic measurements, <i>Marku Poutanen, Finnish Geodetic Institute (FGI), Finland</i>
10:30-11:00	Talk 2 - Spectroscopic Measurement, <i>Mikko Merimaa, Centre for Metrology and Accreditation (MIKES), Finland</i>
11:00-11:30	Coffee break
	<i>Synthetic wavelength technique</i>
11:30-12:00	Talk 3 - Four-wavelength interferometry, <i>Karl Meiners-Hagen, Physikalisch-Technische Bundesanstalt (PTB), Germany</i>
12:00-12:30	Talk 4 - Towards sub-micron accuracy in two-mode laser telemetry, <i>Michel Lintz, Nice Observatory, France</i>
12:30-13:00	Talk 5 - Non polarizing synthetic wavelength interferometry, <i>Thomas Badr, LNE-INM/Cnam, France</i>
13:00-14:00	Lunch
	<i>Femtosecond laser technology</i>
14:00-14:30	Talk 6 - Absolute distance measurement by multiple-wavelength interferometry: current and past activities at IMT-Neuchâtel and HE-ARC, <i>Yves Salvadé, Haute Ecole Arc Ingénierie, Swiss</i>
14:30-15:00	Talk 7 - Frequency comb based distance measurement in air, <i>Steven van den Berg, VSL, Netherlands</i>
15:00-15:30	Talk 8 - Research Activities at KAIST on Absolute Distance Measurement using Ultrafast Femtosecond Lasers, <i>Kim Young-Jin, Korea Advanced Institute of Science and Technology (KAIST)</i>
15:30-15:45	Conclusions
15:45-16:45	VSL TOUR
16:45-17:30	Refreshments
17:30	Transport from VSL to Delft