

NEWRAD 2014 Program (version 3 June 2014)

Day/Time	Ref. code	Speaker and title/Event
24 June 2014		
	Session 1	Chaired by Yoshi Ohno
09:00 ~ 09:30	INV-0	Erkki Ikonen, Aalto and MIKES: Welcome – Selected topics of radiometry research in Finland
09:30 ~ 09:50	OPM_OR_020	Joanne Zwinkels, NRC: Improving the Traceability of Fluorescence Measurements for Practical Applications in Colorimetry
09:50 ~ 10:10	OPM_OR_004	Khaled Mahmoud, KRISS and NIS: Imaging spectrophotometer for measuring spectral reflectance 2D distribution
10:10 ~ 10:30	DBA_OR_001	Alfred Schirmacher, PTB: The new reference set-up for regular spectral transmittance and reflectance at PTB
10:30 ~ 11:00		Coffee
	Session 2	Chaired by Joanne Zwinkels
11:00 ~ 11:30	INV-1	Hiroshi Shitomi, NMIJ: New integrating sphere-based absolute reflectance measurement with emphasis on the reflectance uniformity of the sphere wall
11:30 ~ 11:50	OPM_OR_008	Andreas Höpe, PTB: xD-Reflect - "Multidimensional Reflectometry for Industry" a research project of the European Metrology Research Program (EMRP)
11:50 ~ 12:10	OPM_OR_022	Annette Koo, MSL: Investigation of spectral diffuse transmittance standards
12:10 ~ 12:30	OPM_OR_018	Sara Pourjamal, Aalto: Characterization of thin films for thickness non-uniformity
12:30 ~ 13:30		Lunch
	Session 3	Chaired by Nigel Fox
13:30 ~ 14:00	INV-2	Claire Cramer, NIST: Lunar calibration
14:00 ~ 14:20	OPM_OR_014	Georgi Georgiev, NASA: Directional Reflectance Changes in Pressed and Sintered PTFE Diffusers Following Exposure to Contamination and Ionizing Radiation
14:20 ~ 14:40	EAO_OR_021	Ronald Lockwood, MIT: Vicarious Calibration of Imaging Spectrometers using Desert Sites: ARTEMIS Example
14:40 ~ 15:00	EAO_OR_004	Ping-Shine Shaw, NIST: Satellite Sensor Calibrations using Tunable Laser Systems: the Suomi VIIRS Example
15:00 ~ 15:20	EAO_OR_025	Olli Nevalainen, FGI: 3D hyperspectral target detection
15:20 ~ 15:50		Coffee
	Session 4	Chaired by Tony Bergen
15:50 ~ 16:20	INV-3	Christian Monte, PTB: Radiometric calibration of limb sounders for traceable measurement of atmospheric essential climate variables
16:20 ~ 16:40	EAO_PO_027	Nigel Fox, NPL: Metrology for Earth Observation and Climate
16:40 ~ 17:00	EAO_OR_016	Lapo Lolli, INRIM: A handheld leaf goniometer for in situ spectro-directional measurements
17:00 ~ 17:20	EAO_OR_011	Priit Jaanson, MIKES: Goniorelectometric properties of metal surfaces
17:20 ~ 17:40	EAO_OR_023	Bilgehan Gür, TNO: Diffusers, Properties and Performance in BSDF and Spectral Features
17:40 ~ 18:00	EAO_OR_006	Evangelos Theocharous, NPL: The growth of a vertically aligned carbon nanotube coating on aluminium substrates and its partial space qualification for EO applications
18:30		Busses leave from Dipoli to Welcome reception

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25 June 2014		
	Session 5	Chaired by Petri Kärhä
09:00 ~ 09:30	INV-4	Saulius Nevas, PTB: Calibration of the reference spectroradiometer for the quality assurance of the terrestrial solar spectral ultraviolet radiation measurements in Europe
09:30 ~ 09:50	DBA_OR_040	Ping-Shine Shaw, NIST: The Establishment of a Detector-Based Transfer Standard Spectrograph for the Measurement of Broadband Sources
09:50 ~ 10:10	SSR_OR_001	Yi-Chen Chuang, CMS: Calibration of UV Index Measurement Device
10:10 ~ 10:30	SBR_OR_002	Peter Sperfeld, PTB: Spectral Irradiance Measurement and Actinic Radiometer Calibration for UV Water Disinfection
10:30 ~ 11:00		Coffee
	Session 6	Chaired by Maria Luisa Rastello
11:00 ~ 11:30	INV-5	Maurizio Tormen, CSEM: MEMS Tunable gratings
11:30 ~ 11:50	DBA_OR_014	Ari Feldman, CMI and NIST: Diode Array UV Solar Spectroradiometer Implementing a Digital Micromirror Device
11:50 ~ 12:10	DBS_OR_019	Lutz Werner, PTB: The CCPR K2.c key comparison of spectral responsivity from 200 nm to 400 nm
12:10 ~ 12:30	DBA_OR_030	Terubumi Saito, Tohoku: Spectral Dependence of Solar Cell Conversion Efficiency for Monochromatic Radiation
12:30 ~ 13:30		Lunch
13:30 ~ 15:30		Poster session A
		See a separate list of poster presentations in poster session A
15:30 ~ 16:00		Coffee
	Session 7	Chaired by Emma Woolliams
16:00 ~ 16:30	INV-6	Yuqin Zong, NIST: Application of OPO pulse laser systems for optical radiometry
16:30 ~ 16:50	DBS_OR_010	Ian Littler, NMIA: Aperture area measurement by laser occlusion: 3-way comparison with contact probe and relative flux method
16:50 ~ 17:10	DBA_OR_003	Thada Keawprasert, NIMT: Detector-based Absolute Calibration of a 1.6 μm Radiation Thermometer for Validation of Source-based ITS-90 Temperature Scale
17:10 ~ 17:30	SBR_OR_009	Maija Ojanen, MIKES: Intensity stabilized monochromatic radiance source for thermodynamic temperature determinations
18:00		Optional activity: Bus leaves from Radisson to the hiking event in Finnish nature

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26 June 2014		
	Session 8	Chaired by Gerhard Ulm
09:00 ~ 09:30	INV-7	John Lehman, NIST: Novel lithographic electrical-substitution radiometer
09:30 ~ 09:50	DBS_OR_028	Nathan Tomlin, NIST: Nitty gritty of the carbon nanotube cryogenic radiometer
09:50 ~ 10:10	DBS_OR_015	Maria Luisa Rastello, INRIM: The NEWSTAR project; NEW primary STAndards and traceability for Radiometry
10:10 ~ 10:30	DBS_OR_016	Timo Dönsberg, MIKES: A compact primary standard of optical power operated at room temperature
10:30 ~ 11:00		Coffee
	Session 9	Chaired by Kathryn Nield
11:00 ~ 11:30	INV-8	Dong-Hoon Lee, KRISS: Application of pulsed sources for detector characterization
11:30 ~ 11:50	DBA_OR_018	Jarle Gran, JV: Predictable Photodiode Cryogenic Radiometer; Two primary radiometric standards combined in one artefact
11:50 ~ 12:10	SBR_OR_020	Tomi Pulli, Aalto: New source and detector technology for the realization of photometric units
12:10 ~ 12:30	DBA_OR_016	Minoru Tanabe, NMIJ: Spectral non-linear responsivity of silicon photodiodes
12:30 ~ 13:30		Lunch
13:30 ~ 15:30		Poster session B
		See a separate list of poster presentations in poster session B
15:30 ~ 16:00		Coffee
	Session 10	Chaired by Farshid Manoocheri
16:00 ~ 16:20	DBA_OR_011	Jan Audenaert, KU Leuven: Practical limitations of near-field goniophotometer measurements imposed by a dynamic range mismatch
16:20 ~ 16:40	DBA_OR_042	Maksim Shpak, MIKES: Advantages of a two-channel luminance meter for photopic and scotopic measurements in determining mesopic luminance
16:40 ~ 17:00	SBR_OR_017	George Eppeldauer, NIST: Broad-band UV measurement standard
17:00 ~ 17:20	DBS_OR_030	Stefan Winter, PTB: Traceable Wavelength Calibration of a Monochromator using a Fourier Transform Spectroradiometer
18:45		Busses leave from hotels to conference dinner
19:15 ~ 23:30		Conference dinner

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27 June 2014		
	Session 11	Chaired by Dong-Hoon Lee
09:00 ~ 09:30	INV-9	Christoph Becher, University of Saarland: Generation of narrowband single photons in the telecom band
09:30 ~ 09:50	QOT_OR_007	Ivo Degiovanni, INRIM: The MIQC-project - Metrology for Industrial Quantum Communications
09:50 ~ 10:10	QOT_OR_012	Christopher Chunnillall, NPL: Traceable metrology for characterising quantum optical communication devices
10:10 ~ 10:30	QOT_OR_011	Giorgio Brida, INRIM: Photon-counting optical time-domain reflectometry at 1550 nm
10:30 ~ 11:00		Coffee
	Session 12	Chaired by Julian Gröbner
11:00 ~ 11:20	QOT_OR_003	Stefan Kück, PTB: The SIQUTE-project - first results towards single-photon sources for quantum technologies
11:20 ~ 11:40	QOT_OR_014	Daiji Fukuda, NMIJ: Detection efficiency measurement for single photon detectors based on correlated photon pairs and superconducting photon detectors
11:40 ~ 12:00	QOT_OR_010	Ingmar Müller, PTB: Traceable calibration of a fibre-coupled superconducting nano-wire single photon detector using characterised synchrotron radiation
12:00 ~ 12:20	OT_OR_009	Takashi Usuda, NMIJ: Economic Impact Measurement by CMC, and CCPR Strategy
12:20 ~ 12:30		Close
12:30 ~ 13:30		Lunch
13:30 ~ 16:00		Laboratory visits