

Thursday 25 November 2010

- 11:30-11:50 **The effective characterisation of novel, pure substance reference materials while meeting users' needs in a timely fashion**
Lindsey Mackay, National Measurement Institute, Australia
- 11:50-12:10 **Smart calibration of organic standards - Proton based calibration by qNMR**
Koichi Chiba, National Metrology Institute of Japan, Japan
- 12:10-12:30 **Establishment of an universal procedure for the purity assessment of analytical standards, pharmaceuticals and peptides**
Nacho García Alonso, University of Oviedo, Spain
- 12:30-13:00 **Developing benchmarks for measurements – The IRMM approach**
Hendrik Emons, European Commission, Joint Research Centre, Institute for Reference Materials and Measurements
- 13:00 End of the conference
- 13:00-14:30 *Lunch at IRMM cafeteria*
- 14:30-16:00 Laboratory visit
- 16:00 Departure



The mission of JRC-IRMM is to promote a common and reliable European measurement system in support of EU policies.

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The Future of Reference Materials – Science and Innovation

Conference in the frame of the 50th anniversary of the JRC's Institute for Reference Materials and Measurements (IRMM)

Geel, Belgium

23-25 November 2010

Fourth Announcement Programme



The Future of Reference Materials – Science and Innovation

Tuesday 23 November 2010

09:00-12:15	Opening ceremony of the new reference materials production building	11:10-11:40
<i>12:15-13:30</i>	<i>Buffet lunch at IRMM cafeteria</i>	
13:30-14:00	Chair: Krzysztof Maruszewski Reference materials for material science and technology Manfred Hennecke, Federal Institute for Materials Research and Testing, Germany	11:40-12:00
14:00-14:30	Reference materials for the nutrition community Joseph M. Betz, National Institutes of Health, USA	12:00-12:20
14:30-17:00	Poster session	12:20-14:00
17:00	Departure to the hotel	
<i>18:30-20:00</i>	<i>Social activity</i>	14:00-14:30

Wednesday 24 November 2010

09:00-09:30	Chair: Hendrik Emons Certified reference materials for environmental measurement - Think globally, act locally James McLaren, Institute for National Measurement Standards, NRC, Canada	14:30-15:00
09:30-10:00	Reference material needs to support nanometrology and risk assessments of engineered nanoparticles Martin Hassellöv, University of Gothenburg, Sweden	15:00-15:20
10:00-10:20	The future demand for geological reference materials Thomas Meisel, University of Leoben, Austria	15:20-15:50
10:20-10:40	Commutability of certified reference materials at the nano-scale Ilya Kuselman, National Physical Laboratory of Israel, Israel	15:50-16:20
<i>10:40-11:10</i>	<i>Coffee break</i>	

Chair: Yetunde Aregbe

Nuclear reference materials for safeguards: challenges for users and producers alike Steve D. Balsley, International Atomic Energy Agency, Austria	16:40-17:00
Looking Forward through the Past: Status of the United States' Nuclear Safeguards Reference Material Program at New Brunswick Laboratory Jon Neuhoff, New Brunswick Laboratory, USA	17:00-17:20
On-site laboratories of Euratom – Ten years of excellent results with nuclear reference materials Peter Schwalbach, European Commission, Directorate General for Energy, Luxembourg	17:20 19:30

Lunch at IRMM cafeteria

Chair: Stefanie Trapmann
Standardisation and reporting for nucleic acid quantification
Stephen A. Bustin, Queen Mary University of London, United Kingdom

Status and trends in <i>in-vitro</i> diagnostics and considerations for reference materials Frank Vitzthum, Siemens AG, Germany	09:30-10:00
Conceptual challenges of RMs in support of multiparametric, dynamic and real time complex biomarker measurements: A changing healthcare paradigm? Helen Parkes, LGC, United Kingdom	10:00-10:20
<i>Coffee break</i>	
Chair: Heinz Schimmel The development of reference materials for norovirus and hepatitis A virus Rachel Rangdale, Centre for Environment, Fisheries and Aquaculture Science, United Kingdom	10:20-10:40
Reference materials in the occupational hygiene measurement arena Owen Butler, Health and Safety Laboratory, United Kingdom	11:10-11:30

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Chair: Thomas Linsinger Calibration and purity assessment in chemical analysis Hun-Young So, Korea Research Institute of Standards and Science, Rep. of Korea	09:00-09:30
EU policy on contaminants in food and feed: An indispensable need for reliable measurements, testing and reference materials Frans Verstraete, European Commission, Directorate General for Health and Consumers, Belgium	09:30-10:00
Uncertainty intervals in certified reference materials for nutrients in foods Wayne Wolf, United States Department of Agriculture, USA	10:00-10:20
Allergen reference materials – the challenges Adam Cryar, LGC, United Kingdom	10:20-10:40
<i>Coffee break</i>	10:40-11:10
Chair: Andrea Held Reference system for somatic cell counting in milk Silvia Orlandini, AIA-Laboratorio Standard Latte, Italy	11:10-11:30