Bureau International des Poids et Mesures

CCQM Workshop on Advances in Metrology in Chemistry and Biology 9-10 April 2019

Venue: Pavillon du Mail, BIPM, Sèvres, France.

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Day 0:	Tuesday 9 April 2019
	Poster Session and Reception
17.00-19.30	Poster Session and Reception (32 posters)
Day 1:	Wednesday 10 April 2019
	CCQM Workshop on Advances in Metrology in Chemistry and Biology Chair: <i>Willie E. May</i>
09.00-09.10	Opening Remarks [Willie E. May]
09.10-09.40	The History and achievements of CCQM [Robert Kaarls]
	<u>Link to YouTube (available later)</u>
09.40-10.00	SI-traceable monoelemental solutions on the highest level of accuracy: from the
	foundation of CCQM to recent advances [Anita Röthke, PTB]
	<u>Link to YouTube (available later)</u>
10.20-10.40	Determination of Absolute Isotope Amount Ratios of Lead Using a Primary Method of Full
	Gravimetric Isotope Mixture Mass Bias Correction Model by MC-ICPMS [Lu Yang, NRC]
	Link to YouTube (available later)
10.40-11.20	Best Poster Award Presentation and Coffee Break
11.20-11.40	Potential Reference measurement procedures for Ferritin in human samples
	[Claudia Swart, PTB]
	<u>Link to YouTube (available later)</u>
11.40-12.00	Novel approaches for absolute determination of protein amount and active concentration
	by LC-CD and SPR [Liqing Wu, NIM]
	<u>Link to YouTube (available later)</u>
12.00-12.20	Digital PCR for quantification of ganciclovir resistant human cytomegalovirus
	[Mojca Milavec, NIB]
	Link to YouTube (available later)
12.20-12.40	Quantification of genes by sequence-specific counting in capillary flowcytometry
	[Inchul Yang, KRISS]
	<u>Link to YouTube (available later)</u>

12.40-14.00	Lunch
14.00-14.20	Proliferative stem cell number per unit area (CCQM-197) [Nilofar Faruqui, NPL]
	<u>Link to YouTube (available later)</u>
14.20-14.40	Absolute Thickness Measurement of nm Oxide Films by XPS and Length Unit Traceable
	Method [Kyung Joong Kim, KRISS]
	<u>Link to YouTube (available later)</u>
14.40-15.00	Measurements of pH in strongly acidic media [Narine Oganyan, VNIIFTRI]
	<u>Link to YouTube (available later)</u>
15.00-15.20	Recommendation of a consensus value of the ozone absorption cross-section at 253.65 nm
	based on literature review [Joseph T. Hodges, NIST]
	Link to YouTube (available later)
15.20-16.00	Coffee Break
16.00-16.20	An FTIR method for accurate CO ₂ concentration measurements with correction for
	differences in isotopic composition (δ^{13} C and δ^{18} O) of gases [Edgar Flores, BIPM]
	Link to YouTube (available later)
16.20-16.40	Gas metrology of the carbon isotopologues of carbon dioxide using accurate laser
	spectroscopy: Towards artifact-free absolute isotope amount ratios with traceability to
	the new SI [Adam J. Fleisher, NIST]
	Link to YouTube (available later)
16.40-17.00	δ^{13} C assigned steroid hormone CRMs for anti-doping analysis [Mark Lewin, NMIA]
	Link to YouTube (available later)

Development of nuclear magnetic resonance as a tool of quantitative analysis for organic

17.20-17.40 Closing remarks

materials [Takeshi Saito, NMI]/AIST]
Link to YouTube (available later)

17.00-17.20