

EURAMET training on measurement uncertainty in volume measurement BEV Vienna, 28/29 November 2017

Draft programme 2017-09-25

28 Nov 2017

8.45	Registration of the participants	
9:00 - 10.30	1. Opening and welcome	Robert
	2. Introduction to the training course	Petra
	3. Introduction to determination of measurement uncertainty	Wolfgang
	4. Basic principles and background	Wolfgang
	5. Determination of measurement uncertainty according to GUM	Wolfgang
10.30 – 11.00	Coffee/tea break	
11.00 - 12.30	Determination of measurement uncertainty according to GUM - continuation	
	6. Propagation of distributions using a Monte Carlo method (GUM Supplement 1)	Wolfgang
	7. The role of measurement uncertainty in conformity assessment	Tanasko
	Questions and discussions	
12.30-13.30	Lunch break	
13.30-15.00	8. Uncertainty determination in Calibration of volumetric equipment using gravimetric method	Zoe
	Questions and discussion	
15.00-15.30	Coffee/tea break	
15.30-17.00	9. Uncertainty determination in Calibration of micropipettes using gravimetric method	Elsa
	Questions and discussion	
17.00	Round table discussion (all topics of the day)	

29 Nov 2017

9:00 - 10.30	10. Uncertainty determination in Calibration of standard test method and proving tanks by the volumetric method	Miroslava
	Questions and discussion	
10.30 – 11.00	Coffee/tea break	
11.00 - 12.30	11. Practical exercises – Group working on practical examples • Introduction • Working in groups, 4 - 5 participants) • Presentation of the outcome, discussion	
	12. Course evaluation and wrap - up	
12.30-13.30	Lunch	
14.30	13. Visit to BEV laboratories (optional)	Petra

Lecturers:

- Elsa Batista (IPQ)
- Miroslava Benkova (CMI)
- Zoe Metaxiotou (EIM)
- Petra Milota (BEV)
- Wolfgang Schmid (EURAMET)
- Tanasko Tasić (EURAMET)