



Measurement Uncertainty Training Activity

Impact Workshop

14 March 2024

Agenda

This workshop is organized by the [MATHMET MU Training Activity](#). The activity improves the quality, efficiency and dissemination of measurement uncertainty training, by creating new material for measurement uncertainty training at different levels, and by establishing an active community for those teaching measurement uncertainty at metrology institutes, universities, in accreditation and legal metrology. The workshop will spread the produced results, providing a forum for feedback on those output and for the sharing of best practices in measurement uncertainty training, as well as ideas for future needs and developments in the field.

Thursday 14 March (all times are in CET)

10:00 **Opening of the Workshop**

- Welcome (Francesca Pennechi, EMN Mathmet chair)
- Summary of the MU Training Activity (Katy Klauenberg, MU Training Activity coordinator)

Part I: material for trainees

10:15 Surveys of MU teaching materials: actual status and gaps to be addressed

- Survey of training courses (Francesca Pennechi, INRIM)
- Survey of classroom examples (Peter Harris, NPL)
- Survey of software for MU evaluation (Francesca Pennechi, INRIM)

11:00 **Coffee break**

11:20 New videos on MU and teaching aspects

- A teaser video on MU relevance (Nicolas Fischer, LNE)
- Videos on the importance of data quality (Peter Harris, NPL)
- Video on the coverage factor for expanded MU (Katy Klauenberg, PTB)
- Demo of the LNE SW for MU evaluation (Nicolas Fischer, LNE)

12:30 **Lunch break**

Part II: material for teachers

13:10 New curricula for legal and accreditation bodies (Thierry Caebergs, SMD)

13:30 Lessons learnt from a skills workshop (Severine Demeyer, LNE)



Part III: Future of MU training

- 13:50 Future/further needs on MU training (Katy Klauenberg, PTB)
- 14:10 Invited Lecture - New challenges in the MU evaluation and relevant teaching: Machine Learning tools (Andrew Thompson, NPL)
- 14:30 Feedback from the audience: Q&A session and open discussion (moderators: Katy Klauenberg and Francesca Pennechi)
- 14:50 Wrap-Up and Conclusions (Katy Klauenberg and Francesca Pennechi)
- 14:55 **Closing of the Workshop** (and short break for the MU Training Activity consortium)

Part VI: Internal meeting of the MU Training Activity consortium (restricted)

- 15:00 Internal meeting
- 16:00 End of the meeting

Organisation: EURAMET EMN Mathmet & the [Measurement Uncertainty Training Activity consortium](#)

Meeting venue: MS Teams online meeting

Teams dial-in details:

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