

## Vorlesungsankündigung

### "Metrology in Chemistry – From Data Evaluation to Traceability in Chemical Analysis"

Main content:

- Introduction to metrology and the total analytical process
- The new International System of units (SI)
- Concept of metrological traceability and its realisation in chemical measurements
- How to express analytical results
- Concepts, approaches and examples for estimating measurement uncertainty
- Principles of analytical quality assurance and quality control incl. ISO 17025
- Modern validation of analytical procedures
- Proficiency testing of laboratories
- Reference materials
- The European measurement infrastructure

Place: Universität Duisburg-Essen, Standort Essen, Raum S05 T02 B16

Time: **29.04.2019 & 06.05.2019 & 13.05.2019 & 20.05.2019**  
**8 – 12 a.m.**

*Prof. Dr. Hendrik Emons*

Participants will receive a certificate and 2 Credit Points after successfully passing a short written test on 20<sup>th</sup> May 2019

Further information via e-mail: [hendrik.emons@ec.europa.eu](mailto:hendrik.emons@ec.europa.eu)