

## Vorlesungsankündigung

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

#### Main content:

- Introduction to metrology and the total analytical process
- 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
- International standardisation of analytical procedures
- The European measurement infrastructure

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

Time: **15.04.2013 & 22.04.2013 & 29.04.2013 & 06.05.2013**  
**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 6<sup>th</sup> May 2013

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