



## **Agenda Amplifier Workshop**

- 09:00**      **Welcome**  
Presentation of instructors and program.
- 09:30**      **Amplifiers**  
Function of carrier frequency / DC measuring amplifiers and effects on measurement cable, differential input stages; tasks and influence of low-pass filters, application-based functions in hardware and firmware, operating philosophies.
- 10:30**      **Break**
- 10:50**      **Resolution and A/D conversion**  
Necessity of sufficiently high resolution, A/D conversion methods, aliasing effects and protection against them, multiplex or parallel digitalizing
- 11:50**      **Measurement uncertainty**  
What measurement uncertainties are relevant, what can I calculate? Dynamic influences – what's that? Measurement uncertainty considerations for the complete measurement chain
- 12:30**      **Lunch**
- 13:30**      **Practical exercises (Workshop, part I)**
- 14:30**      **Break**
- 14:45**      **Practical exercises (Workshop, part II)**
- 16:00**      **End of event**