

Course Announcement SS 2017

2154419 Flow Measurement Techniques – Practical Course (SWS2)

Coordinators: Dr.-Ing. Jochen Kriegseis, M. Sc. Nils Kling
Time: Wednesday 14:00 – 17:00 Uhr
Location: Lab R-113 (Bldg. 10.95)
Start: 03. May 2017

Learning Outcomes:

The students can apply various flow measurements. They are capable to obtain, (post-) process and analyze flow data. Furthermore, the students can contrast advantages and disadvantages of the respective experimental approaches.

Contents:

- wind tunnel techniques and estimation of turbulence intensity
- hot wire calibration and measurement
- pressure measurements in air (around bodies)
- pressure measurements in water (Nikuradse diagram)
- Schlieren techniques
- Mach-Zehnder interferometry
- Laser Doppler anemometry
- Particle image velocimetry

Limited number of participants, registration in the secretary's office at ISTM is required, selection procedure in case of over-booking, details can be found at the web page.

Participation at the courses with LV-Nr. 2153418 and 2154419 mutually exclude each other.