

# Specialised Laboratory

## Energy Technology

### SuSe 2025

The chairs of Energy Systems and Energy Process Technology (LEAT), Thermal Turbomachinery and Aero Engines (TTF), and Hydraulic Fluid Machinery (HSM) are offering a specialised laboratory for students on the Master's degree course in Mechanical Engineering in the summer semester. The following experiments are used to teach interesting and innovative techniques in the energy sector:

- A) Cavitation in Centrifugal Pumps (HSM)
- B) Numerical Centrifugal Pump Test Rig (HSM)
- C) Measurement of Flow Parameters of a Compressor Profile (TTF)
- D) Determination of the Calorific Value of a Solid Fuel using a Calorimeter (LEAT)
- E) Elementary Analysis (LEAT)

Interested students in the **English Master of Mechanical Engineering (Sustainable Energy & Circular Process Engineering)**, please register via **FlexNow** until **31.03.2025** for the specialised laboratory.

**The specialised laboratory starts on 21.04.2025.** Participation in the Moodle course (course no. 138830) is mandatory. Therefore, the course is unlocked from 24.03. to 13.04.2025.

Contact person for the organisation is Dr. Engelmann (chair TTF).

Further information can be found at the websites of the chairs (see below).

TTF:	<a href="http://www.ttf.rub.de">www.ttf.rub.de</a>
HSM:	<a href="http://www.hsm.rub.de">www.hsm.rub.de</a>
LEAT:	<a href="http://www.lead.rub.de">www.lead.rub.de</a>