



**Universität Stuttgart**  
Institut für Energieübertragung  
und Hochspannungstechnik



Lecture announcement  
summer semester 2025

# Intelligent Power Systems

(6 CP)



In the summer semester of 2026, the lecture “**Intelligent Power Systems**” (6 CP) will be offered at the Institute for Energy Transmission and High Voltage Technology (IEH).

The lecture deals with the structure and functioning of the energy grid of tomorrow. It will develop ideas on how the rapidly growing number of decentralized generators, storage facilities, and loads can be integrated into the future power grid through control concepts and modern information and communication technology. In addition, innovative planning and operational management concepts will be presented that are expected to make a major contribution to the energy transition.

The **lecture** takes place on **Tuesdays from 11:30 – 13:00 (room V7.04)** in person. The corresponding **exercise** takes place on **Thursdays from 14:00 – 15:30 (room V7.04)** in person.

Lectures and exercises will be recorded and made available via ILIAS.

**The first lecture will take place on April 7, 2026, in room V7.04.**

Further information in ILIAS: <https://ilias3.uni-stuttgart.de/go/crs/4391951>

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