



Electric Energy Storage Systems	
Course number	7225
Hours per week:	2
ECTS:	2
Scheduled:	Winter term
Format:	Lecture
Examination:	Written exam
Lecturer:	Prof. Dr. Kilian Hartmann
Objectives:	The students understand the functionality of existing storage systems for electric energy. They can apply these systems in renewable energy based power systems. They know the state-of-the-art of the named below storage systems.
Contents:	<ul style="list-style-type: none">• Pumped hydro storage systems• Compressed air energy systems• Hydrogen generation and storage systems• Flywheels• Battery storage systems
Pre-requisites	none
Recommended Reading:	