

# Lecture Series „Enabling Net Zero“

Thursdays / 3:45 pm - 5:15 pm / Bldg. 11.40, R 231

## The KIT Graduate School ENZO offers this lecture series on energy subjects

The aim of the lecture is to provide a broad overview of the energy system with its complex interactions. Hence, the lectures offer basic insights into very different topics, such as specific technologies, economic aspects as well as the role of humans in the energy system.

Though the lecture is primarily tailored to the ENZO doctoral researchers, it is open to all members of KIT. Especially interested master students and doctoral researchers of all faculties are cordially invited to attend.

November 10, 2022

### **Circular plastics - closing the carbon cycle**

(Topic: Circular Economy)

*Prof. Dr.-Ing. Dieter Stapf, ITC*

November 17, 2022

### **Circular concrete - the cement industry challenge**

(Topic: Circular Economy)

*Dr. Peter Stemmermann, ITC*

November 24, 2022

### **Drilling related challenges in deep geothermal systems**

(Topic: Renewable Energies)

*Prof. Dr. Thomas Kohl, AGW*

December 01, 2022

### **Energy access and poverty reduction in the rural areas of developing countries**

(Topic: Humankind in the Energy System)

*Davi Francois, ITAS*

December 08, 2022

### **The future of propulsion**

(Topic: Sector Coupling Industry)

*Prof. Dr. Max Fichtner, HIU*

December 15, 2022

### **Fuel cell systems and applications**

(Topic: Sector Coupling Industry)

*Dr.-Ing. André Weber, IAM-ET*

January 12, 2023

### **Integrated scenario building & sustainable development**

(Topic: Humankind in the Energy System)

*Dr. Witold-Roger Pogonietz, ITAS*

January 19, 2023

### **Managing innovations - from strategic target setting to the launch of an innovation project**

*Dr. Claudius Neumann, Evonik Industries*

January 26, 2023

### **Materials acceleration platforms - (R)Evolutionizing research?**

(Topic: Machine Learning and Digital Tools)

*T.T.-Prof. Dr.-Ing. Helge Stein, HIU*

February 02, 2023

### **Recent developments in heat pumps and storage integration**

(Topic: Sector Coupling Construction)

*Dr. Ferdinand Schmidt, IATF*

February 09, 2023

### **The role of biomass resources for climate targets**

(Topic: Renewable Energies)

*Dr. Axel Funke, IKFT*

February 16, 2023

### **Towards a just energy transition**

(Topic: Humankind in the Energy System)

*Dr. Christine Milchram, ITAS*

Please register via Ilias:



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