

## AGENDA

### WORKSHOP

*From Studying, Developing to Testing and Validation of Grid-tied Power Electronics*

Date: 21<sup>st</sup> of August 2024, 13:00 – 18:00

Place: Room: Schmid/Cramer

Fraunhofer IEE, Joseph-Beuys-Str. 8, 34117 Kassel, Germany

Contact: Dr. Ron Brandl, DERlab e.V. | [ron.brandl@der-lab.net](mailto:ron.brandl@der-lab.net)

**12:30** | Q&A TestDrive Installation

**13:00** | Welcome



**13:15** | **Power Electronics Training Course** | Wolf Peter Jean Philippe  
From understanding to development of PE Application

- 3phase 3level NPC
- PMSM motor drive
- Live RCP Scenario



**15:00** | Coffee Break

**15:15** | **Exploring Cutting-Edge Techniques of Power Electronics and Power Grid Solutions** | Ron Brandl

- **Tobias Erckrath**  
Converter Prototyping Development Techniques – A RICOSO Showcase
- **Rajkumar Palaniappan**  
Future Trends in Smart Grids
- **Christian Nöding, Jens Friebe**  
Development, Control & Test of Power Electronic Converters:  
Audio Amplifier within the IEEE IFEC Student Challenge



**17:00** | Coffee Break

**17:15** | **Lab Tour and Demonstration of an advanced testing method**  
Tour

- Pitch Egston & OPAL-RT
- MV-P-HiL Lab Tour & Showcase



**18:00** | Conference Registration & Evening-Event organized by YEN



Hochschule  
Bonn-Rhein-Sieg  
University of Applied Sciences