



### Information:

- Wear the masks outside the Auditorium and when going to the tent for lunch
- You may take off your masks in the Auditorium and once you are in the tent for lunch
- All other hygiene measures apply

### Program:

08.30 Registration, Coffee & Croissants

#### 09.30 Begrüssung

Prof. Thomas Schmidt (PSI)

#### 09.35 ReMaP Übersicht, Status

Dr. Christian Schaffner, Dr. Gianfranco Guidati (ETH Zurich)

### Fokus: Speicherung

#### 09.45 Electrochemical energy storage

Christian Peter, Dr. Hossein Madi, Yi Wan (PSI)

#### 10.15 Capacitive energy storage

Prof. Maria Lukatskaya (ETH Zurich)

10.30 Break

### Fokus: Verteilte Energiesysteme

#### 11.00 Real-time State Estimation and Feedback Optimization of Electrical Distribution Grids

Miguel Picallo Cruz, Prof. Florian Dörfler (ETH Zurich)

#### 11.15 Probabilistic load prediction for optimized grid operation

Thierry Zufferey, Prof. Gabriela Hug (ETH Zurich)

#### 11.30 Balancing costs, emissions and reliability in active distribution networks

Prof. Giovanni Sansavini (ETH Zurich)

#### 11.45 Virtual neighborhood load emulation

Dr. Shan-Shan Hsieh, Prof. Arno Schlüter (ETH Zurich)

#### 12.00 Advanced algorithms for future energy systems

Marta Fochesato, Prof. John Lygeros (ETH Zurich)

### Fokus: Anwendung der ReMaP-Plattform

#### 12.15 A framework for the simulation of distributed energy systems

Dr. Adamantios Marinakis (ETH Zürich)

#### 12.30 Erkenntnisse aus ReMaP machen Flexibilitäten im Stromnetz nutzbar

Dr. Jonas Danzeisen (Venios), Michael Auer (ewz)

#### 12.45 Schlusswort

Prof. Gabriela Hug (ETH Zurich)

13.00 Lunch

#### 14.00 Besichtigung der ESI-Plattform (virtuell und vor Ort)