RESEARCH GROUP



- Deep Learning
 Cyber-Physical Energy Systems
 Software Engineering
 Energy Cloud Computing

- Shifting energy production to renewable and low-carbon sources;
 Enabling power converter dominated power systems;
 Expanding diplatization among energy systems to a chieve previously unseen levels of coordination and optimization;
 Expoliting computational advances to spread intelligence throughout the system, from physic-edges to extensive clouds;
 Expoliting computational advances to spread intelligence throughout the system, from physic-edges to extensive clouds;
 Improving power processing capacities of power systems, moving from electromechanical generation and passive demand to power active converted to the converted processing capacities of power systems, moving from electromechanical generation and sources, from the residential and industrial sectors;
 Developing new energy conversion options (P2X) and integrating different energy vectors (electricity, molecule-based energy vectors, heating/cooling).

- Three interconnected RT-simulation systems

 Smart meters, PMU and RTU measurement systems interfaced with RT simulators

 Networked controllers supporting multiple communication protocols for edge-control could IMC for fo

Selected publications

- Interference of the Commentary of the Commentary

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