

Research and Projects in Power Systems and Networks

With the worldwide depletion of fossil fuels and the increasing environmental concerns, it is important, now more than ever, to generate and deliver energy efficiently. To address this challenge, modern power systems must be designed to be more reliable, stable and efficient, while supporting the ever-increasing energy demand of our society, and must be able to accommodate a variety of renewable and distributed energy sources. The **Power Electronics and Systems Lab** is offering research projects for undergraduate and graduate students.

Topics

Advanced signal processing and pattern recognition in power systems

Distributed generation and integration of renewable power sources

Sparse and distributed control methods in power systems

Design and control of power systems with limited data constraints

Optimal operation and design of power systems

Graduate and under-graduate students with background in either signal processing, networks, algorithms, or control are invited to apply.

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