

Research and Projects in **Power Electronics**

Efficient energy conversion is crucial to the prosperity of today's society. Modern power electronics components are now central in many modern systems, including renewable energy sources, electric vehicles, medical systems, military and space systems, portable computers, and power-hungry integrated circuits. The **Power Electronics and Systems Lab** is offering research projects for undergraduate and graduate students.

Topics

- Renewable and sustainable energy sources
- Energy conversion for Solar and wind generators
- Conversion systems for natural gas and fuel cells
- Conversion systems for electric vehicles
- Integrated on-chip power converters
- Advanced plasma lighting devices

Graduate and under-graduate students with background in electronics or electromagnetic fields are invited to apply.

Contact: prof. Yoash Levron (yoashl@ee.technion.ac.il)

