

Energy Conversion and Transmission (Ramot)

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Energy Conversion and Transmission

Focus on:

- Power Electronics: high efficiency conversion, dc/dc converters, dc/ac converters, control and dynamics of power systems, high power pulse generators, passive and active filters, transducers, sensors; -
- Photovoltaic Systems
- Piezoelectric Sensors and Transmitters - complete systems can be developed on piezoelectric bases, such as energy transmission to human tissues through implanted medical devices and others.

Main Research Topics:

High efficiency conversion, dc/dc converters, dc/ac converters, control and dynamics of power systems, high power pulse generators, passive and active filters, transducers, sensors and phaso-electric micro-generators,
Power electronics.

Expertise:

photovoltaic systems
piezoelectric sensors
general circuit theory

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