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Research Interests

- Power grid cybersecurity
- Smart home and robotic techniques
- Attack/defense combinatorics



Links of Interest



[Dr. Ten's Webpage](#)



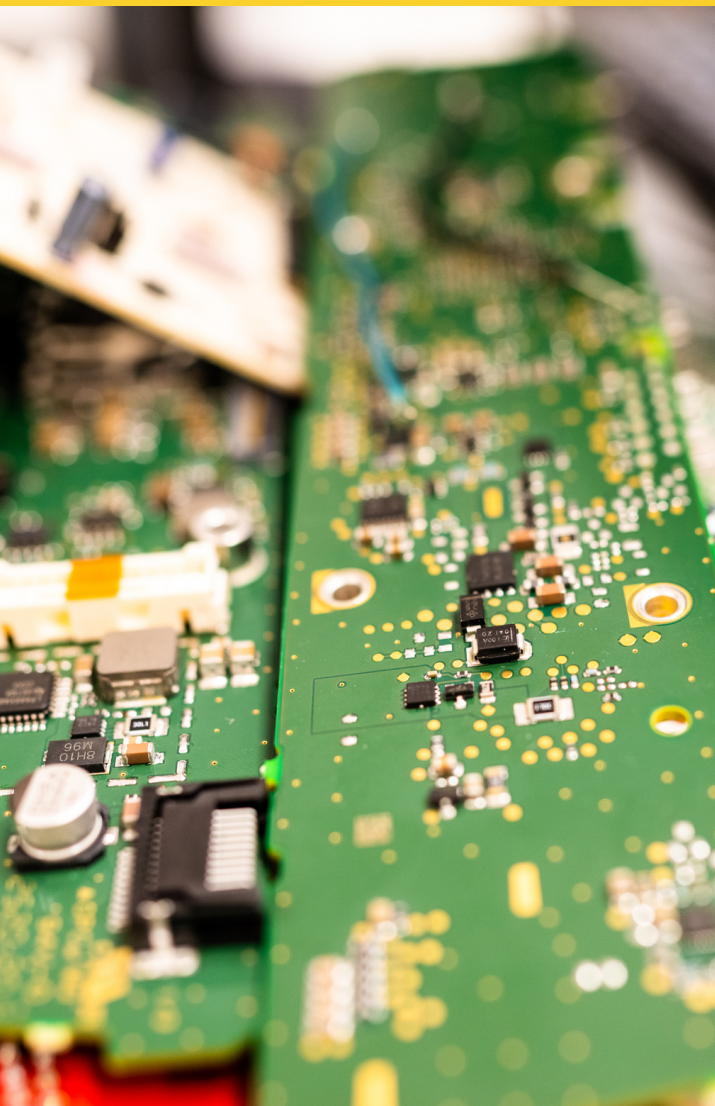
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Research Synopsis



Expanding grid with new emerging electrical loads

Intermodel the emerging loads by integrating transportation traffic and electrical loads for strategic sizing and location planning of Electric Vehicle (EV) charging stations.

Actuarial science framework for power grid cybersecurity

Provide quantitative methods to systematically assess cyber anomalies and the hypothesized impacts of associated contingencies.

Resilience against national catastrophe

Develop synergistic efforts and collaborative social justice mechanisms to restore grids with robust strategic enhancements.

Robotic loads and carbon footprint on manufacturing

Synthesize Operational Technology (OT)/Information Technology (IT) integration between critical robotic loads in a manufacturing environment and renewable electrical distribution grids.

For more information



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