

Facility Name: ECE Power Lab
Location: SOE, 5MTC, LC017, Brooklyn, NY 11201
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New York University is the only school in NYC Metropolitan area that offers a complete program in electrical power systems. Courses and research are conducted in these main categories:

1. Generation / Transmission / Distribution / Machines
2. Drives / Power Electronics / Electromagnetic Propulsion & Design
3. Distributed Generation/Smart Grid

Research areas include:

- Power Generation
- Transmission and Distribution
- Electric Machines
- Electric Drives
- Power Electronics
- Electromagnetic Propulsion and Design
- Distributed Generation and Smart Grid

In the past 5 years, we have attracted around \$5M in external funding (from DOE, Con Edison, Boeing, and Lios Technology), graduated over 20 PhD and 30 MSc students, published over 60 journal papers, received over 2000 citations, and produced more than 10 patents.

Power Lab Equipment	Manufacturer
100kw 3-phase Power Supply	Rapid Power Technologies
Pz4000 Power Analyzer	Yokogawa
UPC32 Programmable Power Controller	Pacific SmartSource
TDS 2014C Digital Oscilloscope	Tektronix
5kw 3-phase Power Supply	Lab-Volt
Programmable AC Source	Chroma
2MHz LRC Meter	QuadTech
2kw DC motor	Lab-Volt
2kw Induction Motor	Lab-Volt
2kw Synchronous Motor	Lab-Volt
Single Phase Power Quality Analyzer(43B)	Fluke
3-phase Power Quality Analyzer (434)	Fluke
Pacific smart source 360-AMX	Pacific Power
Speedaire air compressor	Grainger
3-Quad Tech 7600 LCR meter	IET Labs, Inc.
Chroma programmable AC source model 61504	ChromaUSA
General Radio Co variac	IET Labs, Inc.
Yokogawa power analyzer PZ4000	Yokogawa
Fluke 434 power quality analyzer	Fluke