



CURENT Smart Grid Summer Camp at Rensselaer Polytechnic Institute

July 9 - 13, 2018

Camp Coordinators: Joe Chow, Meng Wang and Elizabeth Herkenham

Administrative Assistant: Laraine Michaelides

Contact Phone Number: 518-276-8525

Room: JEC 3210 unless otherwise noted below

Schedule

Time	Monday (7/9)	Tuesday (7/10)	Wednesday (7/11)	Thursday (7/12)	Friday (7/13)
9:00-12:00	Camp organization and logistics (Elizabeth Herkenham); General introductions & CURENT ERC (Prof. Joe Chow); Introduction to Electric energy systems (Prof. Meng Wang)	Energy conversion (Prof. J. Chow); Electricity market (Stephen Burchett); Wind turbines (Stephen Burchett);	9:00 am leave campus – Tour of NYISO Control Center 10 Krey Boulevard - Rensselaer, NY 12144 ~11:30 am return to RPI	Real-time digital simulation and lab visit (Luigi Vanfretti) Power electronics and Smart Energy Lab (Ignacio Vieto) Back-up: RPI Energy management system (Steve Quinn)	Wind turbine hands-on activity (REU students) Solar Panel session 5
12:00-1:00	Lunch	Lunch	Lunch	Lunch	Pizza Lunch: Power Grid game (REU students) 12-2pm, JEC classroom
1:00-4:00	Circuits (Daniel Douglas & John Reed) Solar Panel session 1 (Daniel Douglas & John Reed)	Wind Farm investment game (Burchett) Solar Panel session 2	Mexican/Colombian power systems (Profs. Mario Arrietta, UNAM, and Alejandro Zamora, U. Michoacana, Mexico) Solar Panel session 3	Magnetization and motor experiment (EPE lab: Prof. Jeff Braunstein) Solar Panel session 4	Completion/ demonstration of Solar Panel project