
Job Title	College of Staten Island PhD Student
PVN ID	SI-2511-007118
Category	Research
Location	COLLEGE OF STATEN ISLAND
Department	Engineering Department
Status	Part Time
Annual Salary	\$36,000.00 - \$36,000.00
Hour(s) a Week	0.00-19.00
Closing Date	Jan 19, 2026 (Or Until Filled)

General Description

The Renewable Energy Systems Lab located at the City University of New York—College of Staten Island, has an opening for a PhD student in the area of distributed control and signal processing with applications to electric power. The position is funded by the US Federal Government. Research will be conducted under the supervision of Prof. Vinay Vaishampayan.

Other Duties

Electrical power grids of the future will have high penetration of Distributed Energy Resources (DERs). An electrical grid must provide reliable service to its customers despite the intermittent and variable sources of power. In response to this, the electrical grid of the future will be highly instrumented and will incorporate energy storage to smooth out variations in energy supply. Traditional centralized forms of network control scale poorly with the number of resources, represent a single point of failure, and are vulnerable to external attacks. The candidate will work in a suitable area related to power grids of the future, including but not limited to distributed state estimation and control, security and resilience, energy storage, and related technologies.

Qualifications

Applicants should have a Master's degree with a specialization in one of the following areas: electric power or signal processing/communications/control. Candidates with strong programming and system-building skills, and training in optimization/statistical methods/AI will be preferred.

Successful candidates will be expected to complete required coursework, pass a qualifying exam, conduct research for their PhD dissertation and teach courses in the engineering program.

