



Cornell University

POSITION DESCRIPTION

**Systems Engineering
College of Engineering
Cornell University
Ithaca, NY**

POSITION: Post Doctoral Associate

STARTING DATE: January 1, 2018 (or later as negotiated)

LOCATION: Cornell University, Ithaca, NY 14850

DUTIES AND RESPONSIBILITIES:

- This position requires a Ph.D. graduate to perform develop and apply stochastic optimization algorithms related to integration of renewable energy in power systems.
- Research: The individual will contribute to the Department of Energy supported project on co-optimization of transmission and distribution/microgrid systems to integrate demand response and DG with utility-scale renewable resources. S/he may also contribute to other related projects on optimization methods.
- Publication and presentation: Prepare results for publication in a timely manner. Create presentations for lab meetings, conferences, and invited seminars. Provide twice monthly progress summaries to supervisor.
- Instruction: Teach new lab members methods and techniques as requested by supervisor.

Anticipated Division of Time

Research: 85%

Publication and presentation: 10%

Instruction: 5%

QUALIFICATIONS:

Required:

- PhD in mathematics, industrial engineering or operations research, with relevant experience in one or more of the following: (i) probability, (ii) stochastic optimization, and (iii) computer programming
- Excellent communication skills including spoken/written English.
- Demonstrated desire to publish in peer-reviewed journals.
- Proven organizational skills and the ability to work independently while adhering to tight timelines.

Amount of job related experience: Less than three years postdoctoral training.

Supervision exercised

The postdoctoral associate may assist in advising beginning graduate students and undergraduate students or who are carrying out research for credit or summer internships.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.