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.*