CornellEngineering

Systems Engineering

Post-Doctoral Associate in Optimization Applied to Renewable Energy and Distributed Resources Integration

Position Description

Applicants are sought for a postdoctoral scholar position at Cornell University in the application of stochastic optimization to renewable energy systems. Topics include, but are not limited to

- operation and control strategies for integration of intermittent renewables, and
- efficient use of responsive demand resources and storage in the future grid
- development and implementation of large scale optimization algorithms

Credentials

Applicants should have a recent Ph.D. in Operations Research, Applied Mathematics, Systems Engineering, or Electrical and Computer Engineering. Strong mathematics and computational abilities are essential. Experience in stochastic optimization, and an interest in renewable energy and demand side resource integration are desired. The successful candidate is expected to be highly motivated, to have good communication skills in oral and written English, and to work effectively as part of a multidisciplinary team. Programming experience required, with preference for Python, Matlab, and/or C++.

To apply please send a cover letter, including a description of research background and interests, curriculum vitae, and the e-mail addresses of three references to Prof. C. Lindsay Anderson (cla28@cornell.edu)

Proposed start date is January 2017 for a period of one year, with potential extension based on budget and performance.