Eversource Energy Center (EEC) Innovation Challenge

DRIVING ELECTRIC GRID INNOVATION THROUGH DATA ANALYTICS

Join the summer competition among UConn students on research and development projects for a cleaner, safer, and more resilient electric grid!

It's easy:

- Find a teammate
- Apply by **March 31**st
- Selections announced on **April 15**th
- Research projects presented on **August 28**th
- Winners announced on **August 31**st

Participation:

- **$500** will be given to all students selected for the competition

First prize:

- **1 year ($10,000)** fellowship

Please send an email to **eecchallenge@uconn.edu** for registration.

- Each team should be composed by two undergraduate students enrolled at UConn, should specify two projects from the list below, and attach CVs and UConn transcripts.
- Four teams will be selected for this competition. Each selected team will be supervised by EEC faculty.
- Fellowships will be offered to the two students of the winning team for the fall 2020 and spring 2021 to continue working on their summer research project.

Possible projects:

1. **OPM**: Modeling electric power outages through data analytics
2. **STORMWISE**: Reducing the risk of tree-related storm damages to the infrastructure
3. **FIRE**: Modeling wildfires through data analytics
4. **IRRIGATION:** Reduce water usage for irrigation
5. **FLOOD:** Flood risk estimation
6. **BIODIVERSITY:** Biodiversity response to global changes
7. **WIND:** Monitoring offshore winds or simulating winds at local scale
8. **LIDAR:** Use of LIDAR techniques for infrastructure mapping
9. **STRUCTURAL:** Studying infrastructure fragility curves