

REU

RESEARCH EXPERIENCES FOR UNDERGRADUATES



Summer Research Experiences in Power and Energy Systems for Smart Cities

About the REU Site:

Thanks to the support from the National Science Foundation, the Electrical and Computer Engineering Department at University of Denver (DU) will be offering up to 10 REU positions for Summer 2020.

The aim of this REU Site is to advance research training for talented undergraduate students in the area of Smart Cities with a focus on electricity infrastructure. The REU students will improve their research skills while working on cutting-edge research in the design of future electric power grids under the guidance of dedicated research mentors. Our cohort of REU students will be trained to excel as the next generation of engineers and leaders in the energy sector.

Our REU projects are defined based on the three pillars of a Smart City, i.e., enhanced livability, enhanced workability, and enhanced sustainability. The selected research topic areas include: Transportation Electrification, Power System Resiliency, Energy Economy, Community Microgrids, Data Analytics, and Renewable Energy.

REU program dates: June 8th 2020 Monday – August 8th 2020 Saturday (9 weeks)

Benefits for REU students:

- Airline Travel costs to/from University of Denver campus will be covered.
- Residence hall lodging will be fully paid.
- Each REU student will receive a meal allowance of \$500.
- Each REU student will receive a \$4500 stipend.

Application and Eligibility:

- Application deadline: **January 31, 2020 [NSF REU Common Application system is used, to accept application 12-01-19].**
- Applicants should be full-time undergraduate students in engineering or related areas who have completed at least one year of undergraduate study, including Calculus and Physics.
- Undergraduate students from minority and underrepresented groups and predominantly undergraduate institutions are particularly encouraged to apply.
- Applicants must be U.S. Citizens or permanent residents.
- Website: <http://REU.DU.EDU>.

Interested? Please Contact: Dr. David Gao, Wenzhong.Gao@du.edu