



POSTDOCTORAL RESEARCH SCIENTIST/ POWER AND ENERGY SYSTEMS

Position Type: Full Time

Salary Range: \$55,000 - \$60,000

New Mexico Tech (NMT) invites applications for a postdoctoral research fellow position in the broad area of power and energy systems. This is a joint position between the Petroleum Recovery Research Center (PRRC) and the Department of Electrical Engineering. The initial appointment will be for 12 months and can be extended based on performance. The position presents an excellent career development opportunity with an interdisciplinary team at NMT. The postdoctoral research fellow is expected to participate in project research activities while interacting with graduate and undergraduate research assistants. There will be peer-reviewed publications, proposal development, and other training opportunities.

Required Qualifications:

- Ph.D. in Electrical Engineering, Power Systems, Power Electronics, Energy Systems, or other related fields;
- Strong research background in power and energy systems, preferably in smart grids, microgrids, or distributed energy resources;
- Familiar with MATLAB, Python, and other programming tools;
- Excellent writing and oral communication skills.

Preferred Qualifications:

- Hands-on experience with power system hardware, real-time simulation (OPAL-RT, RTDS, Typhoon HIL, etc), hardware-in-the-loop (HIL/PHIL), or laboratory experiments;
- Experience with microgrid or smart grid testbeds;
- Experience integrating distributed energy resources, power electronics, or control systems;
- Familiarity with communication protocols (IEC 61850, Modbus, DNP3, etc);
- Experience in grant proposal writing.

Position open until filled; for status of the position, please send inquiries to Dr. Qingsong Cui at qingsong.cui@nmt.edu. To apply, please email your application package in a single PDF document to nmtjobapps@npe.nmt.edu and copy to qingsong.cui@nmt.edu and sai.wang@nmt.edu, with "NMT-Postdoc-PES" in the email subject line. The package should contain a cover letter highlighting expertise and experience most suited to the position, the most recent CV, transcript(s), representative publications, and contact information of 2–3 references.

NMT is committed to creating a community in which a diverse population can learn, live, and work in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual. NMT is an Equal Opportunity Employer. NMT provides excellent benefits, including health, vision, dental, and a generous retirement plan.