

**Post-Doctoral Fellow**  
**Tennessee Technological University**

Direct Link: <https://www.AcademicKeys.com/r?job=235053>

Downloaded On: May. 17, 2024 8:26pm

Posted Apr. 22, 2024, set to expire Aug. 22, 2024

<b>Job Title</b>	Post-Doctoral Fellow
<b>Department</b>	Center for Energy Systems Research
<b>Institution</b>	Tennessee Technological University Cookeville, Tennessee
<b>Date Posted</b>	Apr. 22, 2024
<b>Application Deadline</b>	Open until Filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Engineering - Other Electrical and/or Electronics
<b>Apply By Email</b>	<a href="mailto:lthurman@tntech.edu">lthurman@tntech.edu</a>

**Job Description**

Requirements & Qualifications for the Post-Doctoral Fellow:

A recent Ph.D. in Electrical Engineering with focus on electrical power systems with emphasis on distribution system modeling and analysis.

The ideal candidate will have experience with:

(1) Development and/or utilization of OpenDSS-based co-simulation frameworks for distribution planning and advanced DER hosting capacity studies. These studies may include local and system-wide DER technology impact on distribution system with smart inverter functions or/and EV impact assessment followed by mitigation solutions and hosting capacity enhancement strategies.

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(2) Real-time simulations using Typhoon HIL and CHIL studies. Experience with developing multi-domain co-simulation framework using Typhoon HIL is a big plus. Similar experience with other EMT-based real-time software will be considered.

Duration: One year starting immediately; renewable up to 3 years depending on performance and availability of funding.

Contact:

Satish M. Mahajan, Ph.D.

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**EEO/AA Policy**

**Equal Employment Opportunity**

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**Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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