

Postdoc position: Quantum Computing Applications in  
Nuclear Engineering  
Rensselaer Polytechnic Institute

Direct Link: <https://www.AcademicKeys.com/r?job=261898>

Downloaded On: Dec. 4, 2025 5:01am

Posted Aug. 31, 2025, set to expire Dec. 31, 2025

<b>Job Title</b>	Postdoc position: Quantum Computing Applications in Nuclear Engineering
<b>Department</b>	Mechanical, Aerospace and Nuclear Engineering <a href="https://mane.rpi.edu/">https://mane.rpi.edu/</a>
<b>Institution</b>	Rensselaer Polytechnic Institute Troy, New York
<b>Date Posted</b>	Aug. 31, 2025
<b>Application Deadline</b>	Oct. 15, 2025
<b>Position Start Date</b>	Oct. 20, 2025
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Engineering - Other Computer Science Computer Engineering Nuclear
<b>Apply Online Here</b>	<a href="https://careers.rpi.edu/en-us/job/495401/computational-science-engineering-researchers-2025-26">https://careers.rpi.edu/en-us/job/495401/computational-science-engineering-researchers-2025-26</a>

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**Job Description**

Rensselaer Polytechnic Institute (RPI), the first university globally to host an IBM utility-scale quantum computer on campus, invites applications from visionary postdocs to join a pioneering research initiative at the intersection of quantum computing and nuclear engineering. This is a rare opportunity to shape the future of energy systems through transformative, cross-disciplinary innovation.

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In April 2024, RPI and IBM unveiled the world's first-ever IBM Quantum System One on a university campus. Located in the historic Voorhees Computing Center Chapel, the IBM Quantum System One has significantly enhanced educational and research opportunities for RPI, as well as with other academic institutions and organizations across the Capital Region of New York. Faculty, students, research scientists, and collaborators accessing the system will advance quantum computing research, including the search for quantum algorithms that could fundamentally change the computing field.

We seek an accomplished and forward-thinking researcher whose expertise and ambition align with RPI's commitment to advancing quantum-enabled solutions in reactor physics, nuclear materials modeling, and nuclear data science. The successful candidate will have the opportunity to engage within a dynamic ecosystem of quantum scientists from RPI, IBM, nuclear engineers, and computational theorists, leveraging access to one of the world's most advanced quantum platforms to address challenges of national and global significance.

Expected hiring range: \$ 65,000 – \$74,000 per year.

Pay transparency disclosure: The selected candidate's salary will be determined based on factors that include the available budget, internal equity, and the final candidate's qualifications, experience, education, and other job-related credentials. This hiring range is provided as Rensselaer's good faith estimate of the expected hiring range at the time of posting.

**For more information contact: Prof. Yaron Danon (danony at rpi.edu)**

### **EEO/AA Policy**

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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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