

Postdoctoral Research Associate Rensselaer Polytechnic Institute

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Posted Aug. 20, 2020, expired Dec. 20, 2020

Job Title	Postdoctoral Research Associate
Department	Center for Modeling, Simulation, and Imaging in Medicine (CeMSIM) https://cemsim.rpi.edu/
Institution	Rensselaer Polytechnic Institute Troy, New York
Date Posted	Aug. 20, 2020
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Mechanical Engineering Computer Engineering Computer Science Bioengineering (all Bio-related fields) Engineering - Other
Job Website	http://www.rpi.edu
Apply By Email	des@rpi.edu

Job Description

The Center for Modeling, Simulation, and Imaging in Medicine (CeMSIM) at Rensselaer Polytechnic Institute has several postdoctoral positions available immediately. We are looking for candidates with experience and interests at the intersection of artificial intelligence and noninvasive neuroimaging to work on cutting edge projects investigating motor skill learning mechanisms in complex surgical bimanual tasks. Candidates with more experience will be considered for more senior research staff positions.

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The successful candidate will be joining a diverse team performing cutting-edge research at the intersection of AI, neuroimaging, neuromodulation, and motor learning. We are collaborating with physicians and researchers from some of the best medical schools in the world and investigating the neural basis of motor learning.

This is an excellent opportunity for aspiring researchers who want to contribute to the fundamental research projects with deep societal impact.

Minimum qualifications:

Candidates must possess, at minimum, a PhD/MD Degree or an equivalent degree in a technical/analytic area including, but not limited to, neuroscience, biomedical engineering, computer science, cognitive science, electrical/optical engineering.

Minimum Knowledge, Skills, and Abilities:

- Experience in neuroimaging at large
- Experience in Deep Learning
- Excellent interpersonal skills
- Analytic, reasoning and problem-solving skills

Preferred Knowledge, Skills, and Abilities:

- Knowledge of neuromodulation
- Experience with time-series data processing
- Multimodal sensor processing
- Experience with Matlab and Python
- Experience with human subjects studies
- Experience with high impact peer-review paper and grant writing

Location:

The position is in Troy, NY. Founded in 1824, Rensselaer is the first technological university in the English-speaking world. It is a private research university located in historic Troy, New York, which is part of the greater capital region of New York that includes Albany, the capital, and Schenectady.

How to apply:

Please apply by sending your resume, a cover letter, and contact information for at least three references to des@rpi.edu. We welcome candidates who will bring diverse intellectual, geographical, gender and ethnic perspectives to Rensselaer's work and campus communities. Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.

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EEO/AA Policy

Rensselaer Polytechnic Institute has a strong institutional commitment to diversity and is an Equal Opportunity/Affirmative Action employer, and it is the policy of the Institute that all persons be provided equal employment opportunities regardless of race, color, sex, sexual orientation, age, religion, creed, national origin, marital status, Vietnam Era Veteran status, disabled Veteran status, or disability. There will be no discrimination against any employee or applicant for employment to any position for which she/he is qualified.

Contact Information

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

Contact Professor Suvrana De
Center for Modeling, Simulation, & Imaging in
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Troy, NY 12180

Phone Number 518-276-6351

Contact E-mail des@rpi.edu