

Professional Specialist Princeton University

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Posted Apr. 23, 2025, set to expire Aug. 23, 2025

Job Title	Professional Specialist
Department	Civil and Environmental Engineering https://cee.princeton.edu/about/employment-opportunities
Institution	Princeton University Princeton, New Jersey
Date Posted	Apr. 23, 2025
Application Deadline	open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Structural Engineering Naval Architecture & Marine Engineering Mechanical Engineering Material/Metallurgy Civil Engineering Architectural (Building & Construction)
Apply Online Here	https://www.princeton.edu/acad-positions/position/38541
Apply By Email	
Job Description	

The Moini Lab in the Department of Civil and Environmental Engineering (CEE) at Princeton University is seeking a Professional Specialist with a strong background in the following areas: design of marine and offshore reinforced concrete structures (e.g., floating wave energy converters), structural design of

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large scale (10s of meters) structures, additive manufacturing with concrete, parametric design and fabrication workflows, finite element simulation, solid/fluid mechanics, and concrete durability in marine environments.

Previous experience in either experimental, computational, and parametric design research and experience in working in fast-paced industry environment is a plus. Successful candidates will have the opportunity to lead research projects, conducted under the direction of Professor Reza Moini and in directly collaboration with several industry partners in the area of offshore energy structures and concrete 3D-printing at large scale. Candidates will also have the opportunity to collaborate with other members of the lab.

Applicants must have a recent Ph.D. in a relevant field, including but not limited to structural engineering, marine engineering, mechanical engineering, architectural engineering, construction engineering, or materials science. Candidates with a strong commitment to interdisciplinary research are especially encouraged to apply.

Applicants should apply at: <https://www.princeton.edu/acad-positions/position/38541> and include:

- *A CV (including a list of publications)
- *A cover letter
- *A statement of relevant past and current research contributions and expertise
- *Names and contact information for three references

The appointment is for five months, with the possibility of renewal based on continued funding and satisfactory performance.

The selected candidate will have the opportunity to be involved in grant writing, work in a state-of-the-art materials additive manufacturing laboratory, and engage in a collaborative and supportive interdisciplinary research environment.

The position is subject to the University's background check policy. The work location for this position is in-person on campus at Princeton University.

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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.

Contact

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