

Open Rank Faculty position in Applied Physics - Plasma Physics

Columbia University in the City of New York

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Posted Oct. 8, 2024, set to expire Feb. 9, 2025

Job Title	Open Rank Faculty position in Applied Physics - Plasma Physics
Department	Applied Physics and Applied Mathematics https://www.apam.columbia.edu/
Institution	Columbia University in the City of New York New York, New York
Date Posted	Oct. 8, 2024
Application Deadline	Open until filed
Position Start Date	Jul. 1, 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Physics - Atomic/Molecular/Optical/Plasma
Apply Online Here	https://apply.interfolio.com/156653
Apply By Email	
Job Description	

The Department of Applied Physics and Applied Mathematics (APAM) at Columbia University in the City of New York invites applications for a tenure-track assistant professor or associate professor faculty position in Applied Physics, ideally starting July 1, 2025. APAM is a highly multi-disciplinary department investigating fundamental math, physics, and materials science problems underlying critical applications in science and engineering ranging from Plasma/Fusion physics to Climate dynamics.

For this search, the Department seeks candidates with research interests in plasma physics,

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particularly those emphasizing applications to pressing societal challenges. Examples of applications can include but are not limited to: fusion energy, electric propulsion, materials processing, and microelectronics.

While candidates at the junior level are preferred, exceptional candidates at the tenured Associate Professor or Professor levels will also be considered.

Qualifications

Candidates must have a Ph.D. in Physics, Applied Physics, Nuclear, Aero/Astro, or related areas by the start date of the appointment. Applicants for this position at the tenure-track Assistant Professor and Associate Professor levels must have the potential to do pioneering research and teach effectively. Applicants for this position at the tenured Associate or Full Professor level must have a demonstrated record of outstanding research accomplishments, excellent teaching credentials, and established leadership in the field.

Candidates at all levels must be able to demonstrate the ability to develop a highly successful and internationally recognized independent research program and to participate effectively in the teaching of our core applied physics, plasma physics, and/or related applied science curriculum at the undergraduate and graduate level. Columbia encourages multi-disciplinary research and collaborations across academic units on the campus. The Department is particularly interested in candidates who, through their research, teaching, and/or service, will contribute to the diversity and excellence of the academic community.

Application Instructions

Applications should be submitted electronically to <http://apply.interfolio.com/156653> and include the following: curriculum vitae (including a list of publications), a research statement (description of research accomplishments and planned research), a statement of teaching interests and plans, three letters of recommendation from experts in the candidate's field, and up to three pre/reprints of scholarly work. All applications received by December 31, 2024 will receive full consideration. Inquiries should be directed to apam@columbia.edu. Applicants are encouraged to consult <https://apam.columbia.edu/> for more information about the Department.



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Hiring Salary Range: Professor: 134K-305K; Associate Professor (tenured): 123K-175K; Associate Professor (without tenure): 115K-163K; Assistant Professor: 110K-142K

EEO/AA Policy

Equal Employment Opportunity Statement

Columbia University is an Equal Opportunity Employer / Disability / Veteran

Pay Transparency Disclosure

The salary of the finalist selected for this role will be set based on a variety of factors, including but not limited to departmental budgets, qualifications, experience, education, licenses, specialty, and training. The above hiring range represents the University's good faith and reasonable estimate of the range of possible compensation at the time of posting.

Contact Information

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

Contact Carlos Paz-Soldan
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