

Assistant Professor (Tenure-track) in Process System
Modelling
Nanyang Technological University

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Posted Jul. 24, 2024, set to expire May 6, 2025

Job Title	Assistant Professor (Tenure-track) in Process System Modelling
Department	School of Chemistry, Chemical Engineering and Biotechnology
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jul. 24, 2024
Application Deadline	Oct. 31, 2024
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Food Sciences/Technology/Toxicology Computer/Information Sciences Chemistry - Biochemistry Biology - Biochemistry Biology - General
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Job Description	

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Young and research intensive, Nanyang Technological University (NTU Singapore) is ranked among the world's top universities.

The **School of Chemistry, Chemical Engineering and Biotechnology (CCEB)** is a new interdisciplinary school formed by integrating the School of Chemical and Biomedical Engineering (SCBE) from College of Engineering and the Division of Chemistry and Biological Chemistry (CBC) from College of Science. CCEB faculty members conduct cutting-edge research in diverse areas of chemistry, chemical engineering, food science, bioengineering, biotechnology, and other fields.

We invite outstanding candidates to apply for a tenure track faculty position at the Assistant Professor level with a research focus in the area of Process System Modelling. Applicants should have a well-defined research vision and an outstanding track record of publications in top journals. Successful candidates are expected to develop innovative, internationally visible, and extramurally funded research programs. We are also seeking candidates with outstanding capacity to teach related topics at the undergraduate and graduate levels, including mentoring and supervision of undergraduate and graduate students. Some school and university services will be expected of the successful candidates.

CCEB seeks a diverse and inclusive workforce and are committed to equality of opportunity. Applicants, irrespective of age, race, gender, religion, marital status and family responsibilities, or disability, are encouraged to apply. Our recruitment process is entirely merit-based.

Requirements

We are looking for expertise in applying data science, machine learning and artificial intelligence to model and analyze energy systems and manufacturing processes, including chemicals, food and other products. Typical process-level analyses would include, but not limited to process optimization, supply chain optimization, techno-economic analysis and life cycle assessment.

Emoluments

The commencing salary will depend on the candidates' qualifications, experience, and the level of appointment offered.

Application Procedure

Interested applicants are invited to submit their applications, including (1) A cover letter and detailed CV, (2) Statement of aspiration in research (up to 5 pages including figures but excluding references), (3) Statement of aspiration in teaching (up to 2 pages), (4) Three selected publications, (5) Three

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names and contact information of the referees, through the NTU career portal.

Please submit the full set of documents as outlined above.

All applications and enquiries should be addressed to: Prof Xu Rong Process System Modelling
Search Committee Chair

The closing date for applications is **31 October 2024**. Only shortlisted candidates will be notified.

Contact Information

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

Contact Ng Soke San
School of Chemistry, Chemical Engineering and
Biotechnology
Nanyang Technological University
Singapore
Singapore

Contact E-mail ngss@ntu.edu.sg