

Assistant Professor / Associate Professor in Speech
Signal and Natural Language Processing
Nanyang Technological University

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Posted Apr. 3, 2024, set to expire Apr. 1, 2025

Job Title	Assistant Professor / Associate Professor in Speech Signal and Natural Language Processing
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 3, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Associate Professor Assistant Professor
Academic Field(s)	Computer/Information Sciences
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Job Description

Nanyang Technological University (NTU) invites applications for Assistant Professor (Tenure-Track) / Associate Professor (Tenure-Track / Tenured) in Speech Signal and Natural Language Processing.

This position will be situated within the School of Electrical and Electronic Engineering (EEE). Founded in 1981, EEE stands as one of the pioneering schools at NTU. Rooted in a culture of excellence, EEE is celebrated for its rigorous academic standards and impactful research. To bolster advanced

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research endeavours, EEE is home to 13 research centres and state-of-the-art facilities, outfitted with cutting-edge equipment. In addition to these 13 centres, the school boasts over 50 laboratories, fostering both teaching and research initiatives within its dynamic academic community.

The successful applicant will be responsible for conducting cutting-edge research in speech signal and natural language processing (NLP), encompassing various areas such as speech recognition and verification, speech synthesis, speech enhancement, speech emotion and sentiment analysis, speech coding and compression, computer processing of human languages, theoretical and empirical analysis of natural language models and applications, NLP enhanced by human computation and interaction, NLP for information retrieval in web and conversational search, and large language model (LLM). In addition to research, the successful candidate will actively participate in teaching and administrative duties at a level that aligns with the expectations of a world-class, research-intensive university.

To facilitate research development, the successful applicant will be allocated dedicated time with a reduced teaching and administrative workload initially.

Responsibilities

- Secure research funding to establish and expand research initiatives, while delivering high-quality research outcomes in the form of publications, invention disclosures, engineering designs, and other relevant outputs in the fields of speech signal and natural language processing, as well as other disciplines associated with Electrical and Electronic Engineering.
- Contribute to the development and implementation of undergraduate and postgraduate curricula in Electrical and Electronic Engineering and related fields.
- Provide support, supervision, and mentorship to undergraduate students involved in project work and other academic endeavors, as well as postgraduate research students in their research projects and career development.
- Actively participate in the School of Electrical and Electronic Engineering, College of Engineering, and University communities by engaging in activities related to research, teaching, enterprise, student experience, and widening participation.

Requirements

Candidates with the following qualifications are encouraged to apply:

- A Ph.D. in Electrical & Electronic Engineering, Computer Science, or a relevant field
- At least four years of research experience in speech signal and/or natural language processing

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- Excellent track records in publishing high-impact papers in top journals and conferences
- Proven track records and expertise in speech signal and/or natural language processing
- Preferable to have secured some research funding as principal investigator
- Preferable to have proven track records of teaching and mentoring
- Good interpersonal skills
- A mindset of continual growth and academic excellence

Application

Applicants are invited to submit their applications (cover letter, CV, research and teaching statements, and citation report, where applicable) through the NTU career portal.

Review of applications and shortlisting decision will be on an on-going basis until the position is filled. 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

School of Electrical and Electronic Engineering
Nanyang Technological University
, Singapore
Singapore

Contact E-mail EEE-Fac-Recruit@ntu.edu.sg