

**Project Officer (JOB-2019-0075908)
Nanyang Technological University**

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Posted Apr. 12, 2019, set to expire Aug. 12, 2019

Job Title	Project Officer (JOB-2019-0075908)
Department	School of Electrical and Electronic Engineering
Institution	Nanyang Technological University Singapore, Singapore, Singapore
Date Posted	Apr. 12, 2019
Application Deadline	May 10, 2019
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics Computer Engineering Computer Science
Apply By Email	andykhong@ntu.edu.sg

Job Description

The Delta-NTU Corporate Laboratory for Cyber-Physical Systems was jointly established by the School of Electrical and Electronic Engineering (EEE) at Nanyang Technological University (NTU) and Delta Electronics.

The Corp Lab aims to create business value through collaborative commercialization of translational research and industrial development. Successful candidates will conduct research and development work related to Smart Manufacturing. The candidates are expected to contribute in effort targets pave new solution business in Smart Manufacturing in the Asia Pacific Region.

Young and research-intensive, Nanyang Technological University (NTU Singapore) is ranked 13th globally. NTU is also placed 1st amongst the world's best young universities and ranked 6th globally for Engineering and Technology.

Established in 1981, the SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

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<http://www.eee.ntu.edu.sg> is one of the founding Schools of the Nanyang Technological University. Built on a culture of excellence, the School is renowned for its high academic standards and research. With more than 150 faculty members and an enrolment of more than 4,000, of which about 1,000 are graduate students, it is one of the largest EEE schools in the world and ranks 8th in the field of Electrical & Electronic Engineering in the 2016 QS World University Rankings by Subjects.

Delta Electronics was founded in 1971 and is a global leader in Power Electronics, Energy Management and Smart Green Life, with over 50 R&D sites globally and more than 5,000 R&D engineers.

Job Description

You will be working on the development of front-end audio processing for tele-conferencing system. With the guidance of a research team, you will be implementing a fusion centre that performs speech diarization. You are expected to have keen interests in data synchronisation, acoustic signal processing and/or machine learning. You should be familiar with Python programming language. Familiarity with cloud computing and software frameworks such as Matlab, Numpy, Pytorch, Tensorflow, or Keras is an advantage (though not necessary).

In terms of research exposure, you will also be given the opportunity to learn, apply, and develop algorithms to enhance, extract, and transcribe noisy speech signals using a variety of signal processing and machine learning algorithms. You will therefore be exposed to theories and practices of signal processing and machine learning. You will have the opportunity to work closely with other research staff to implement these algorithms in Python programming language.

Job Requirements

- Bachelor's degree in Electrical/Electronics/Computer Engineering;
- Meticulous and keen to learn;
- Good background in linear algebra and signal processing;
- Experience/keen interest in acoustic signal processing and machine learning;
- Experience with Python programming language;
- Able to work independently and willing to co-operate with existing team members;
- Fluent in both verbal and written English;
- Highly motivated and able to commit the whole period of the project

Application Procedure:

Interested candidates please send your CV/resume to:

Assoc. Prof. Andy Khong

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School of Electrical & Electronic Engineering
Nanyang Technological University
50 Nanyang Avenue
Block S2.1
Singapore 639798

E-mail Address: andykhong@ntu.edu.sg
Electronic submission of application is highly encouraged.

Only shortlisted candidates will be notified for interview.

Contact Information

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

Contact

Singapore