



## **Postdoctoral Fellow/Associate in Structural Health Monitoring at Nanyang Technological University**

Laboratory for Intelligent Infrastructure Technology at Nanyang Technology University aims to advance the state-of-the-art smart structural technologies to make our built environment sustainable and resilient under hazards. We are seeking two highly self-motivated individuals to work as postdoctoral research fellow/associate. The positions are in civil engineering and will focus on the development of a virtual testbed (Position 1) and a physical tested (Position 2) for railway tunnel network monitoring and management. The earliest starting date for the position will be April 2022. For more details, please visit [www.yfulift.org](http://www.yfulift.org).

### **Preferred qualifications**

- A Ph.D. degree in Civil Engineering, Mechanical Engineering, Computer Science, Electrical Engineering, or a related field.
- 1-2 years' experience in structural condition assessment, machine learning, experimental techniques, sensor development, or signal processing.
- Excellent programming skills for one of the languages, such as C/C++, Python, and MATLAB.
- A good record of referred journal publications or conference presentations.
- Good oral and written communication skills in English.
- Previous experience in proposal writing is a plus.

### **Application procedure**

Interested individuals should first contact Dr. Yuguang Fu ([yuguang.fu@ntu.edu.sg](mailto:yuguang.fu@ntu.edu.sg)) first by sending the following materials with the subject of "LIFT Postdoc Application":

1. Cover letter (< 2 pages) telling your motivation, research interest and experience.
2. CV or resume (including a list of publications, if applicable)
3. Research statement (<3 pages)
4. A list of up to three references

The review process will begin as soon as possible. The appointment is for two years, renewable for a third year.

### **About CEE@NTU**

In 2021 NTU was placed 13<sup>th</sup> in the world in the Quacquarelli Symonds (QS) World University Rankings. In engineering and technology, NTU is ranked 4<sup>th</sup> worldwide in the QS World University Rankings by Subject 2021. NTU's College of Engineering is among the top eighteen globally for research output and the 10<sup>th</sup> most cited in the world (Essential Science Indicators 2021). The School of CEE is a leading school for Sustainable Built Environment. It has over 50 faculty members and more than 1,500 students and is rapidly expanding its range of education and research activities.