



## One Ph.D. Position in Civil Engineering at Nanyang Technological University

One funded PhD position is available under the supervision of Dr. Yuguang Fu in the School of Civil and Environmental Engineering at Nanyang Technological University (NTU), Singapore. The position is in civil engineering and will focus on smart sensing and diagnostic technologies for intelligent infrastructure modeling, monitoring and management. The candidate is expected to start in Fall 2022. For more details, please visit <https://www.yfulift.org/>.

### Preferred qualifications

- A Bachelor's degree or Master's degree (preferred) in Civil Engineering, Mechanical Engineering, Computer Science, Electrical Engineering, or a related field.
- Strong background in finite element analysis, linear algebra, calculus, and probability.
- Excellent programming skills for one of the languages, such as C/C++, Python, and MATLAB.
- Research experience in structural engineering, machine learning, signal processing, or circuit design.
- Good oral and written communication skills in English.
- Satisfy admission requirements of Nanyang Technological University (e.g., GRE ~319 + 3.5, TOEFL ~100; please visit [https://www.ntu.edu.sg/education/graduate-programme/cee-phd-programme-\(by-research\)#admission](https://www.ntu.edu.sg/education/graduate-programme/cee-phd-programme-(by-research)#admission))

### Application procedure

The application for enrollment in August 2022 is from Oct 1, 2021, to Jan 31, 2022. Please 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 Ph.D. 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. Transcripts from all post-secondary institutes
4. A list of up to three references

The review process will begin immediately, and early communication is encouraged.

### 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.