The Department of Electrical and Computer Engineering (ECE) at the National University of Singapore (NUS) is seeking a tenure-track faculty candidate at all levels to lead highly impactful research and teaching in the fields of computer architecture and hardware security.

While we expect the candidate to have earned a Ph.D. degree in Electrical and Computer Engineering, we welcome applications from highly qualified candidates with expertise in research areas including (but not limited to) computer architectures for ultra-low power, algorithm-architecture VLSI co-design, accelerator-centric systems on a chip, networks on chip, hardware security and trustworthiness, hardware-software secure architectures, provable counteraction of hardware threats (e.g., Trojans/reverse engineering/counterfeiting/side-channel attacks), and energy-aware and ubiquitous security.

The candidate is expected to possess rigorous theoretical foundations in topics ranging from integrated circuit design to computer architecture to hardware security, as well as the ability to translate theories and concepts to applications in the aforementioned application areas, including ability to demonstrate ideas on silicon testchips. A senior faculty candidate would be expected to have a strong sponsored research and publication record, be highly experienced in teaching and mentoring, and provide leadership and vision. A junior faculty candidate would have demonstrated significant creativity and independence in emerging technologies and applications.

The candidate will be expected to contribute to teaching the core curriculum, develop advanced inter-disciplinary courses in the fields of computer architecture and/or hardware security, set up an outstanding research program, and to contribute towards major collaborative programs in engineering.

NUS is a leading Asian and worldwide ranked University with a strong commitment to education and research. It ranks amongst the top 10 universities in Asia. ECE is the largest department in NUS, with a tenure-track or tenured faculty size of about 90 supported by about 200 administrative/technical/research staff. Full-time undergraduate enrolment over 4 years is about 1,400 students, reading either the B.Eng. (Electrical Engineering) degree or the B.Eng. (Computer Engineering) degree program. Graduate students enrolled for the PhD, research-based M.Eng. and part-time coursework based M.Sc. programs are about 340, 30 and 220, respectively. With our size and scope of activities, we provide a conducive environment for high potential teachers and scholars to realize their potential to the fullest.

More details about ECE can be found at [http://www.ece.nus.edu.sg](http://www.ece.nus.edu.sg)

Interested applicants are invited to send a detailed CV, a teaching philosophy statement, list of publications, statement of research interests and plans, contact details of at least 3 referees (junior faculty candidate at rank of Assistant Professor) or 6 referees (senior faculty candidate at rank of Associate Professor and above), and the NUS Personal Data Consent for Job Applicants to:

Chairman, Search Committee (c/o Ms Jade Ong)
Department of Electrical & Computer Engineering
National University of Singapore
Block E4, Level 5, Room 45
4 Engineering Drive 3, Singapore 117583
Fax:   +65 6779-1103
Email: eleopgi@nus.edu.sg

Shortlisted candidates will be invited for a campus visit and interview. Applications will be accepted until the available position is filled.