

Recruitment

PhD Students/Interns & Postdocs on Cyber Security at SUTD, Singapore

Singapore University of Technology and Design (SUTD) is a young university which was established in collaboration with MIT. [iTrust](#) is a Cyber Security Research Center with about 15 multi-discipline faculty members from SUTD. It has the world's best facilities in cyber-physical systems (CPS) including testbeds for Secure Water Treatment ([SWaT](#)), Water Distribution ([WADI](#)), Electric Power and Intelligent Control ([EPIC](#)), and [IoT](#).

- I am looking for promising **PhD students** who are interested in working in the area of cyber security. The position is fully funded up to 4 years with very competitive scholarship. Candidates should have an excellent background (with Bachelor or Master degree) in mathematics or computer science/engineering and the ability to work on inter-disciplinary research projects. Acquaintance with cryptography and network/system security concepts as well as some programming skills will be considered as strong assets. More information of the PhD program is available at <https://istd.sutd.edu.sg/phd/phd-overview/>.
- I am looking for **PhD interns** with interest in cyber-physical system security (IoT, autonomous vehicle, and power grid etc.), especially on the topics such as 1) Lightweight and low-latency crypto algorithms for CPS devices, 2) Resilient authentication of devices and data in CPS, 3) Advanced SCADA firewall to filter more sophisticated attacking packets in CPS, 4) Big data based threat analytics for detection of both known and unknown threats, 5) Attack mitigation to increase the resilience of CPS. The attachment will be at least 3 months. Allowance will be provided for local expenses.
- I am also looking for **postdocs** with expertise on cyber-physical system security. The candidates should have track record of strong R&D capability, be able to perform deep system-level investigations of security mechanisms, be a good team player, and also have good written/oral communication skills. The position will provide an excellent opportunity to perform both basic and translational research in close collaboration with industry. Successful candidates will be offered internationally competitive remuneration, and enjoy high-quality living and low tax rates in Singapore.

Interested candidates please send your CV with a [research statement](#) to Prof. Jianying Zhou.

Contact: Prof. Jianying Zhou
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