For People with Ambitions

Multiple Research Fellow Positions in Machine Learning for Cybersecurity (3 years)

Swinburne University of Technology is based in Melbourne, a beautiful city that has been declared the most liveable city in the world for the seventh year running by the Economist Intelligence Unit's annual global liveability survey. In the recent survey, Melbourne received a perfect score for healthcare, education and infrastructure. Just 10 minutes from the CBD of Melbourne, the Hawthorn campus is the main campus of Swinburne. Hawthorn is one of the city's most attractive inner suburbs.

Swinburne's Cybersecurity research is evidenced by top-quality research publications, multi-million research grants, and translated economical and social impact. We have been working on the state of the art methods in many of the core problems in Cybersecurity for decades. Our research is impact-driven and application-driven. As a result of increased funding and opportunities we have now created the **New Swinburne Cybersecurity Lab (NSCLab)**. We currently number over 20 members including academics, research staff and PhD students.

We now invite applications from early/middle career researchers to apply for the Research Fellow Positions in Machine Learning for Cybersecurity, specifically in the following areas:

- Machine Learning based vulnerability discovery
- Machine Learning based code analysis
- Deep Learning in general
- Transfer Learning in general

Researchers will work with members of the NSCLab and join a group of world-class researchers publishing in the best venues in the field.

How to Apply: Please prepare and address your responses to the selection criteria within the application and include a full CV (including a publication list and statement of research expertise and interests) and the names of two referees (including your PhD thesis supervisor). All queries and applications should be sent to **Prof Yang Xiang, email: yxiang@swin.edu.au**.

Closing date: 8/April/2018

Position Requirements:

Each successful applicant must have:

- A PhD in a relevant discipline
- Experience in C++, Python and/or Matlab
- A good publication record commensurate with experience
- Fluency in written and spoken English
- The ability to work individually and as a member of a broader team

In addition to the above, it is preferable that the applicant will have:

- An established track record of publications in top-tier Machine Learning, Cybersecurity or Artificial Intelligence conferences and/or journals, commensurate with experience and opportunity
- Experience of leading a small team
- Demonstrable deep knowledge of Machine Learning algorithms and Cybesecurity

Salary Range: AUD$55,530 ~ AUD$98,691 per year depending on applicant's qualifications and experience.

Superannuation: An employer contribution of 17% may apply (this is additional to the salary).

Term of position/s: These 3-year fixed-term contract positions are available immediately with the possibility of further extension subject to available funding and performance.

Research Support: The NSCLab has a generous conference attendance funding scheme for papers accepted to the major conferences.