

Scientia PhD Scholarship in All-Optical Artificial Neural Networks

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- tuition fees for international students
- A\$10,000 travel and development grant

We are looking for a self-motivated candidate with a strong background in photonics and possibly machine learning, preferably at the Master level. The knowledge of Matlab is essential, and possibly some commercial packages such as Lumerical suite is highly desirable.

Deadline: 14th July 2020

Supervisors



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Short Project Description

This project is focused on an emerging field at the nexus of photonics and neural engineering, allowing to build systems with high efficiency, interconnectivity and information density by creating photonic components mimicking the brain's neurons functionality. This project involves both theoretical and experimental studies and aims at designing and building photonic analogue of brain-inspired processors.