

HONOURS, MASTERS AND DOCTORAL SCHOLARSHIPS IN ARTIFICIAL INTELLIGENCE

The Centre for Artificial Intelligence Research offers merit-based scholarships for Honours, Masters and Doctoral scholarships in Artificial Intelligence at the University of Cape Town. The scholarships are funded by the Department of Science and Innovation (DSI), as part of the ICT Research, Development and Innovation (RDI) Roadmap implementation. Advances in ICT supported by the RDI Roadmap aim to guide South Africa to a state of digital advantage that will strengthen economic competitiveness and enable an enhanced quality of life for all South Africans. The scholarships will be administered by the CSIR and the Centre for Artificial Intelligence Research (CAIR).

The CAIR research unit at The University of Cape Town (CAIR-UCT) conducts research in the following sub-areas of AI:

- Adaptive and Cognitive Systems
- Machine learning
- Knowledge Representation and Reasoning

Successful applicants will register for a full-time Honours, Masters or Doctoral degree in Computer Science at the University of Cape Town. Masters and Doctoral students must be supervised by a member of CAIR-UCT.

Eligibility criteria

- BSc degree in Computer Science for Honours scholarships;
- BSc Honours degree in Computer Science or allied disciplines for Masters scholarships;
- Masters degree in Computer Science or allied disciplines for Doctoral scholarships;
- Masters and Doctoral students will require a preliminary research topic and outline accepted by a member of CAIR-UCT;
- Academic excellence at all preceding academic levels.

Students with a strong mathematics background and who wish to pursue research in AI are specifically encouraged to apply for the masters and doctoral scholarships. Honours scholarships will be R90 000 for one year, Masters scholarships will be R100 000 per year for a maximum of two years and Doctoral scholarships R130 000 per year for a maximum of three years. These funding levels are subject to revision and student progress. Scholarships will be **awarded primarily on merit** but will also take into account the collective demographic composition of recipients.

Application process

Applications should be submitted to the CAIR administrator, Mrs Tharien Potgieter (tharien.potgieter@uct.ac.za) by **15 October 2020**. Applications should include the following:

- A research topic and outline of at most one page, including name of prospective supervisor;
- Full academic record, including all tertiary results;
- Abbreviated curriculum vitae of at most one page.

Masters and Doctoral applicants should complete their application in consultation with a prospective supervisor. The CAIR-UCT members are Professor Tommie Meyer (tmeyer@cair.org.za) and Associate Professor Deshen Moodley (deshen@cs.uct.ac.za). Please contact either of them for further information.