PhD Scholarship – IISRI, Deakin University Australia

The Institute for Intelligent Systems Research and Innovation (IISRI) at Deakin University contributes to the research and development (R&D) areas of Robotics, Autonomy, Simulators Technologies, Human Performance Assessment, Haptics, and Human-Machine Interfaces. IISRI has more than 100 researchers who use their R&D expertise to develop practical solutions for addressing real-world problems and generating commercial-ready products and services. As a result, IISRI has been successful in the delivery of numerous industry-based research projects with major national and international organisations. IISRI's engineering and IT researchers provide robotics, simulation modelling and haptics solutions to clients such as the aerospace, automotive, defence, security, logistics and healthcare industries.

We are looking for highly qualified graduates for fully-funded PhD scholarships. The scholarships cover tuition fees and a tax-free stipend for the duration of the three-year programme. The first 18 months will be on site at the Deakin University, Geelong, Australia. After a successful Conformation of Candidature, a continuation at DLR (Deutsches Zentrum für Luft- und Raumfahrt) at the Institute of Flight Systems with its department of Flight Control and Simulation in Oberpfaffenhofen, Germany is possible.

The topic for the PhD work will be AI driven motion cueing algorithms for flight and driving simulators. More details will be given in a personal job interview.

PhD candidates with skills in the following fields will have an advantage: computational intelligence (deep learning and evolutionary optimisation), statistics, engineering (electrical, mechanical, computer), and system dynamics,

The desired, but not compulsory, experience includes:

- Good knowledge in tools like GIT and object-oriented programming languages such as Python and/or C/C++
- Familiarity with deep learning libraries and dependencies (CUDA, PyTorch, TensorFlow).

Preference will be given to candidates who can start immediately with a stay in Australia beginning at the first months of 2026.

If you are interested in conducting research with us, please get in touch by forwarding your CV and academic transcript to Andreas Seefried (andreas.seefried@dlr.de). More information about the scholarship can be found on https://www.deakin.edu.au/study/fees-and-scholarships/scholarships/find-a-scholarship/rtp-and-duprs