PhD Scholarship: Performance physiology and data analytics in motor sport

uDASH is collaborating with sports performance analytics experts Biomedical Performance Technologies (BPT) to solve a challenging data analytics research problem in motorsport. Earn your PhD while working with industry experts in data science, engineering, physiology, and motorsport.

Join us at UNSW as part of the CSIRO Next Generation Graduates Program (NGGP) consortium of universities, government and industry organisations in sports, and biomedical sports technology: a cohort-based, industry-driven, multi-disciplinary graduate training program. Undertake industry placement and in-depth training as part of your rigorous PhD research, and achieve a comprehensive understanding of problem-based research environments in industry.

Who you are:

Open to all domestic applicants only
Applicants should have a background in Mathematics, Statistics, Data Science, Computer Science, or related discipline and a strong honours (or equivalent).

Scholarship Details:

$41,600 per annum (tax free*)
$20,840 in allowances
(training, travel, thesis)

*See ATO for exempt income

Project Goals:

The goal of this PhD research project is to help improve athlete development and on-track performance in motorsport. Research will focus on developing models, methods, and algorithms to bring together and analyse disparate signals and data streams from the athlete, car, and track, as provided by BPT. The intention is to discover new insights on the interaction between athlete and machine that will translate into actionable opportunities for immediate on-track performance gains, and longer term career development of the athlete.

Who we work with

➢ You will discover new insights to improve sports & performance science for athlete development in motorsports, including race strategy, and race tactics.
➢ Your research will be implemented in commercial projects and will have real impact on high-performance sport.
➢ Receive additional support for training and career development, including training in machine learning and AI from Data61.
➢ Be part of a larger research student cohort in Sports Analytics and AI.

How to apply:
To apply, send your full CV, university transcripts, and a cover letter describing your interest in this PhD position at UNSW, and how it relates to your skills, to Scott Sisson, uDASH Director, uDASH@unsw.edu.au

Application deadline: CoB Friday 6th September (interviews the following week, for a Term 1 2025 start)
Website: www.unsw.edu.au/research/udash

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