

## **PhD Scholarship – Modelling and Simulation**

An exciting PhD position in the field of modelling and simulation of production and logistics processes, with industry exposure, is available with the Intelligent Systems Research Lab at Deakin University. Applications are invited from Engineering (Systems and Industrial), Information Technology and Computer Science graduates. International students are welcome to apply.

The challenging field of modelling complex infrastructures, such as airport, sea port, and road, is vital to decision making to ensure a secure and efficient operation of passenger and cargo logistics. The Deakin research group has established itself as the leading research group in logistics simulation in Australia and shares a close relationship with leading institutions in the field from around the world.

The scope of the project involves demand scheduling, stochastic input modeling, discrete event simulation, and optimisation. The specific research question can be refined to suit the interests of the individual student.

Working in a stimulated and supportive academic environment, the student is expected to actively participate in the creation and sharing of knowledge. With our close collaboration with industry, the individuals will also receive considerable exposure to simulation consultancy best practice, using state of the art virtual reality simulation software. The professional development training received will assist a person who wishes to either pursue an academic or industry-based career. It will suit persons with excellent problem solving, computing, and communication skills, who can rapidly adapt to a diverse range of work environments.

### ***Eligibility***

This scholarship is for study in Australia for those who have achieved 1<sup>st</sup> Class Honours, 2a Honours, or equivalent.

### ***Application Details***

If you would like to discuss this opportunity further contact Professor Saeid Nahavandi (nahavand@deakin.edu.au) or Dr Doug Creighton (doug@deakin.edu.au).

Applications are open until the 16<sup>th</sup> May 2008.

To apply for this position please email your cover letter and resume to:

Dr Doug Creighton  
Research Fellow, Intelligent Systems Research Lab.  
Deakin University, Geelong Campus, Victoria, Australia, 3217

Email: dougc@deakin.edu.au

Phone: 03 5227 2179 International +61 3 5227 2179  
Mobile: 04 1127 3213 International +61 411 273 213  
Fax: 03 5227 1046 International +61 3 5227 1046  
Web site: <http://www.deakin.edu.au>  
Deakin University CRICOS Provider Code 00113B (Vic)

### ***Availability***

This scholarship is offered once only to 1 people. Applications are open until the 16<sup>th</sup> May 2008.

### ***Payment Information***

The value of this scholarship is AUD25000 (maximum per annum). This award is to be used for living expenses. This scholarship is paid for the period of 3 years.

### ***Research Information***

This scholarship is for one of the following fields of research: ENGINEERING AND INFORMATION TECHNOLOGY.

### ***Eligibility***

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International students are welcome to apply.