

**Please quote reference number ITEE RA. Applications close 9.00am  
Tuesday 14 April 2009**

## **Research Fellow in “Dual Phase Evolution in Networks”**

**SCHOOL OF INFORMATION TECHNOLOGY AND ELECTRICAL ENGINEERING**

**UNIVERSITY OF NEW SOUTH WALES**

**AUSTRALIAN DEFENCE FORCE ACADEMY CAMPUS**

**CANBERRA, AUSTRALIA**

**(Two-Year Fixed-term)**

**Salary: Level A \$53,860-\$71,814 per annum**

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A vacancy exists for a self-motivated high-quality early-career researcher who has an open mind to break the boundary of science to join a world-class group working on complex adaptive systems. The group undertakes a wide range of research on the fundamental level; evolution, structure decomposition, emergence, uncertainty, graphs and networks, and on the practical level; air traffic control, capability planning in defence, network and data mining, and large scale scheduling, timetabling and routing applications. This project is funded by the Australian Research Council in collaboration between UNSW@ADFA in Canberra and Monash University in Melbourne.

If you are interested in understanding how networks form in a social system, how genes interact in a genetic regulatory network, how does a large number of disconnected nodes in a graph can suddenly become fully connected, or how a group of humans with different utility functions and conflicting objectives converge to a common decision? Then this is the job for you!

The successful applicant should have a PhD in IT, Applied Mathematics, Engineering Complex Systems or a closely related field. A quality record of research publications in high impact journals and conferences, and knowledge and experience in an object oriented programming language are essential. Please quote reference number ITEE-RA.

## **Location**

UNSW@ADFA is a campus of the University of New South Wales located at the Australian Defence Force Academy in Canberra. UNSW@ADFA endeavours to offer staff a rewarding experience and offers many opportunities and attractive benefits, including:

- Strong commitment to staff development and learning
- Strong commitment to work life and family balance
- Australian bushland setting with free parking
- Generous superannuation and salary packaging opportunities
- Sports and social facilities

## **How to Apply?**

An Information Package/ Position Description is available at <http://www.unsw.adfa.edu.au/jobs>

Having read the documentation, you may then direct any additional enquiries to Professor Hussein Abbass <http://www.itee.adfa.edu.au/~abbass/> on email [h.abbass@adfa.edu.au](mailto:h.abbass@adfa.edu.au)

Applications must systematically address the selection criteria and include a resume and the names and addresses of at least three referees. Applications which do not address the selection criteria will not be considered.

Written applications should be submitted to HR Recruitment, UNSW@ADFA, Northcott Drive, Canberra, ACT 2600, or you may email your application to [uni.college.recruitment@adfa.edu.au](mailto:uni.college.recruitment@adfa.edu.au). People from EEO groups are encouraged to apply.