

First Australasian Computational Intelligence Summer School (ACISS'09)

30 November – 1 December 2009, Melbourne, Australia

Computational Intelligence

Computational Intelligence is concerned with techniques that explore ways of combining elements of learning, adaptation, evolution, fuzzy logic, and other forms of artificial intelligence techniques, in order to create intelligent systems. **Research areas** include (but not limited to): evolutionary computation, neural networks, fuzzy systems, complex systems, swarm intelligence, computational game theory, Bayesian learning, metaheuristics, and artificial immune systems, etc.

The First Australasian Computational Intelligence Summer School (ACISS'09) will be held in association with the *22nd Australasian Joint Conference on Artificial Intelligence (AI'09)*.

Tutorials scheduled

"Computational Intelligence in Games (Part I and II)", Dr. Luigi Barone and A/Prof. Philip Hingston
"How to do good database/data mining research, and get it published!", Professor Eamonn Keogh
"Mining Massive Collections of Shapes and Time Series: With Case Studies in Anthropology and Astronomy", Professor Eamonn Keogh
"Particle Swarm Optimization (Part I and II)", Dr. Xiaodong Li and Professor Andries P. Engelbrecht
"Introduction to Bayesian Network Models (Part I and II)", A/Prof. Ann Nicholson and A/Prof. Kevin Korb
"Estimation of distribution algorithms", Dr. Marcus Gallagher
"Practical introduction to backpropagation", Professor Tom Gedeon
"Genetic Programming for Data Mining", A/Prof. Mengjie Zhang
"Spatially-Structured Evolutionary Computation", Dr. Grant Dick
"Foundations of Intelligent Agents", A/Prof. Marcus Hutter
"Deep Belief Nets", Dr. Marcus Frean

Aims

The aim of ACISS'09, is to introduce researchers (graduate/postgraduate students and early career researchers in particular) to the general area of Computational Intelligence, and to showcase important new techniques/tools that can be used in research. Furthermore, ACISS'09 will provide an opportunity for CI researchers (young as well as more experienced) in Australia, New Zealand, and the broader Asia Pacific region, to exchange research ideas and network with each other. ACISS'09 will be held in the ICT building of The University of Melbourne (Building 105). It is located at 111 Barry Street, Parkville Campus, Melbourne.

ACISS'09 registration fee for a student is \$50 (evidence of student status is required when registering); for a non-student, the registration fee is \$100. Please use the AI'09 registration form to register with ACISS'09.

IEEE Computational Intelligence Society (IEEE CIS) has offered several student travel scholarships (applications are due by **10 October 2009**). Please apply for these travel scholarships directly at the IEEE CIS summer school webpage: <http://ieee-cis.org/edu/schools/>.

ACISS'09 is proudly sponsored by IEEE Computational Intelligence Society, NICTA, and IEEE Victorian Section.



Other information

For more information, please visit: <http://goanna.cs.rmit.edu.au/~xiaodong/aciss09/>.
ACISS'09 organizers: Xiaodong Li, Michael Kirley, Hussein Abbass, Marcus Gallagher, Luigi Barone, Mengjie Zhang. For enquiries please email: xiaodong.li@rmit.edu.au.