

## CALL FOR PAPERS

### *The International Journal of Neural Systems*, 2006 Special Issue on **Adaptive Neural Methods for Intelligent Data Analysis**

(In conjunction with *IDEAL 2005* Conference)

#### CO-GUEST-EDITORS:

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IDEAL (Intelligent Data Engineering and Automated Learning) is an established annual conference dedicated to emerging and challenging topics in intelligent data analysis and engineering and their associated learning paradigms. Following the highly successful recent conferences held in Exeter (2004), Hong Kong (2003) and Manchester (2002), the sixth of this series (IDEAL'05) will be held in the subtropical city of [Brisbane](#), Australia's third-largest city.

IDEAL'05 provides an opportunity to present the latest theoretical advances and real-world applications in intelligent data engineering and automated learning. IDEAL is a high-quality, dual-oral track conference. In 2004, 124 papers were accepted for presentation from 272 submissions world-wide. Session topics included ensemble learning methods, kernel methods, feature extraction, classification, data mining, agents, evolutionary computation, knowledge and rule-based systems, gene expression, protein data, image analysis, finance, fuzzy sets, time series, spam detection and rule engineering. Conference scope and technical areas include, but are not limited to: Learning and Information Processing, Data Mining, Bioinformatics, Agents, Financial Engineering. All submissions will be refereed by experts in the field based on originality, significance, quality and clarity. Accepted papers will be included in IDEAL 2005 Proceedings to be published by Springer-Verlag in the prestigious *Lecture Notes in Computer Science* series. For further information of IDEAL'05, please visit its website: <http://www.itee.uq.edu.au/~ideal05/>

The IDEAL'05 has teamed up again with the *International Journal of Neural Systems*, one of the distinguished journals in Neural Networks, for publishing a Special Issue on **Adaptive Neural Methods for Intelligent Data Analysis**. All submitted papers regarding any aspects of learning algorithms, data analysis and applications including (not limited to):

- Adaptive Learning Algorithms and Theories
- Neural Information Processing and Systems
- Topological and Topographical Data Mapping and Projection
- Statistical Data Analysis, Scaling and Visualisation
- Data Clustering, Classification, Mining and Fusion

will have opportunities for consideration for this Special Issue. Multidisciplinary and interdisciplinary advances and applications are particularly welcome. The selection will be carried out during the review process as well as at the conference presentation stage. The Guest-Editors of the Special Issues will make decisions on submitted papers based referees' comments and recommendations, as well as quality and presentation of the papers, and select around twenty papers. Authors of selected outstanding papers will be asked to *substantially* extend and revise *with additional originality* their papers for further rounds of peer review under the practice of *IJNS*. The extended papers are due on 31 August 2005. Contributions from outside of this conference, in the scopes of this special issue, are also encouraged. Prospective authors should submit their manuscripts directly to the guest editors before the deadline. Submitted papers must not be under consideration by any other journal or publication. The final decision will be made based on peer review reports by the Guest-Editors and the Editor-in-Chief jointly. The scheduled publication of this Special Issue is early 2006.

#### DATES:

Submission of papers for IDEAL'05: 21 February 2005  
Notification of acceptance for IDEAL'05: 6 April 2005  
IDEAL'05 Conference Dates: 6-8 July 2005  
Submission of extended papers or new contributions for the Special Issue: **31 August 2005**  
Notification of acceptance for the Special Issue:  
31 January 2006

#### CONTACT & ADDRESS FOR SUBMISSION OF EXTENDED AND/OR ADDITIONAL PAPERS:

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