INFORMATION SCIENCES

Editor-in-Chief

W. Pedrycz, University of Alberta, Department of Electrical and Computer Engineering, T6R 2G7, Edmonton, Canada, Tel.: +1 780 492 4661; Fax: +1 780 492 1811; E-mail: pedrycz@ee.ualberta.ca

Associate Editors

S.M. Chen, National Taiwan University of Science and Technology, Taipei, Taiwan; E-mail: smchen@mail.ntust.edu.tw

Y.P. Chen, National Chiao Tung University, Hsinchu, Taiwan; E-mail: ypchen@cs.nctu.edu.tw

P. D'Urso, Sapienza University of Rome, Rome, Italy; E-mail: Pierpaolo.durso@uniromal.it

F. Herrera, Universita de Granada, Granada, Spain; E-mail: herrera@decsai.ugr.es

P.L. Lanzi, Politecnico di Milano, Milan, Italy; E-mail: lanzi@elet.polimi.it

R. Mesiar, Slovak University of Technology Bratislava, Bratislava, Slovakia; E-mail: mesiar@math.sk

A. Skowron, Warsaw University, Warsaw, Poland; E-mail: skowron@mimuw.edu.pl

A. Spink, Queensland University of Technology, Brisbane, Australia; E-mail: ah.spink@qut.edu.au

D.-H. Wang, La Trobe University, Melbourne, Australia; E-mail: dh.wang@latrobe.edu.au

Special Issue Editor

P.P. Wang, Duke University, Department of Electrical Engineering, P.O. Box 90291, Durham, NC 27708, USA, Tel.: +1 919 660 5259; Fax: +1 919 660 5293; E-mail: ppw@ee.duke.edu

Editorial Board

H. Adeli, Ohio State University, Columbus, OH, USA

H.J. Caulifield, Fisk University, Nashville, TN, USA

G. Chen, Tsinghua University, Beijing, China

H.D. Cheng, Utah State University, Logan, UT, USA

F. Crestani, University of Lugano, Lugano, Switzerland

D. Dubois, Universite Paul Sabatier, Toulouse, France

A. Elmagarmid, Purdue University, West Lafavette, IN, USA

T. Fukuda, Nagoya University, Nagoya, Japan

D.E. Goldberg, University of Illinois, Urbana-Champaign, IL, USA

S. Gottwald, Institute for Logic, Leipzig University, Leipzig, Germany

S. Grossberg, Boston University, Boston, MA, USA

K. Hirota, Tokyo Institute of Technology, Yokohama, Japan

Y.C. Ho, Harvard University, Cambridge, MA, USA

J. Kacprzyk, Systems Research Institute,

Polish Academy of Science, Warsaw, Poland

N. Kasabov, Auckland University of Technology, Auckland, New Zealand

E.E. Kerre, Ghent University, Ghent, Belgium

L.J. Kohout, Florida State University, Tallahassee, FL, USA

B. Kosko, University of Southern California, Los Angeles, CA, USA

D. Manivannan, University of Kentucky, Lexington KY, USA

S.K. Pal, Indian Statistical Institute, Calcutta, India

H. Prade, Universite Paul Sabatier, Toulouse, France

P. Shi, University of Glamorgan, Pontypridd, UK

G. Succi, Free University of Bozen, Bozen, Italy

A. Vasilakos, University of Thessaly, Volos, Greece

B. Wah, University of Illinois, Urbana, IL, USA

X.-Z. Wang, Hebei University, Baoding City, China

F.-Y. Wang, Chinese Academy of Sciences, Beijing, China

K. Weber, Forschungszentrum Jülich, Jülich, Germany

G. Weiss, Technical University of Munich, Munich, Germany

X. Yao, The University of Birmingham, Birmingham, UK

L.A. Zadeh, University of California, Berkeley, CA, USA

D. Zhang, Hong Kong Polytechnic, Kowloon, Hong Kong

Aims and Scope

Information Sciences will publish original, innovative and creative research results. A smaller number of timely tutorial and surveying contributions will be published from time to time.

The journal is designed to serve researchers, developers, managers, strategic planners, and others interested in state-of-the-art research activities in information, knowledge engineering and intelligent systems. Readers are assumed to have a common interest in information science, but with diverse backgrounds in fields such as engineering, mathematics, statistics, physics, computer science, cell biology, molecular biology, management science, cognitive science, neurobiology, behavioural sciences and biochemistry.

The journal publishes high-quality, refereed articles. It emphasizes a balanced coverage of both theory and practice. Topics include:

- Foundations of Information Science: Information Theory, Mathematical Linguistics, Automata Theory, Cognitive Science, Theories of Qualitative Behaviour, Artificial Intelligence, Computational Intelligence, Soft Computing, Semiotics, Computational Biology and Bio-informatics.
- Implementations and Information Technology: Intelligent Systems, Genetic Algorithms and Modelling, Fuzzy Logic and Approximate Reasoning, Artificial Neural Networks, Expert and Decision Support Systems, Learning and Evolutionary Computing, Self-adaptation and Self-organisational Systems, Data Engineering, Fusion of Data, Information and Knowledge, Adaptive and Supervisory Control, Discrete Event Systems, Symbolic/Numeric and Statistical Techniques, Perceptions and Pattern Recognition, Design of Algorithms, Software Design, Computer Systems and Architecture Evaluations and Tools, Human–Computer Interface, Computer Communication Networks and Modelling and Computing with Words.
- Applications: Manufacturing Automation and Mobile Robots, Virtual Reality, Image Processing and Computer Vision Systems, Photonics Networks, Genomics and Bioinformatics, Brain Mapping, Language and Search Engine Design, Userfriendly Man–Machine Interface, Data Compression and Text Abstraction, Virtual Reality, Finance and Economics Modelling and Optimisation.