
Foreword

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Biographical notes: Lakhmi C. Jain is Director/Founder of the Knowledge-Based Intelligent Engineering Systems (KES) Centre, located in the University of South Australia. He is a Fellow of the Institution of Engineers Australia. His interests focus on the artificial intelligence paradigms and their applications in complex systems, art-science fusion, e-education, e-healthcare, unmanned air vehicles and intelligent agents.

International Journal of Computational Intelligence Studies is a timely initiative by Professor Turchetti and his colleagues to provide a forum for researchers to report their work on various aspects of computational intelligence right from theoretical foundation to the real world applications. Engineers and scientist have always dreamed of intelligent machines similar to humans (Jain et al., 1998; Fulcher and Jain, 2008). A great deal of progress has been made in the last few decades in many sub-areas of computational intelligence such as neural systems (Jain and Vemuri, 1998), fuzzy systems (Sato et al., 1997; Dumitrescu et al., 2000a; Sato and Jain, 2006), evolutionary computing techniques (Dumitrescu et al., 2000b; Jain et al., 2007a) and intelligent agents (Jain et al., 2002a; Khosla et al., 2005). Researchers are able to design machines which are able to act autonomously in a limited sense. Tremendous progress has been made in designing intelligent systems since the first recorded conference on artificial intelligence related areas in Dartmouth in 1958.

Computational intelligence paradigms have successfully penetrated in nearly every discipline and fields such as health science (Teodorescu et al., 1998; Sordo et al., 2008; Vaidya et al., 2007; Schmitt et al., 2002), bioinformatics (Seiffert et al., 2005), defence (Jain et al., 2002b), robotics (Jain and Fukuda, 1998), teaching and learning (Jain, 2000; Jain et al., 2002c; Ghaoui et al., 2005; Jain et al., 2007b), games (Baba and Jain, 2001; Baba et al., 2007), decision support (Phillips-Wren and Jain, 2005; Phillips-Wren et al., 2008; Jain and Nguyen, 2009), design and multimedia (Virvou and Jain, 2008; Sommerer et al., 2008; Tsihrantzis and Jain, 2008; Tsihrantzis et al., 2008), web (Nayak et al., 2008; Nguyen and Jain, 2009), astrophysics (Zharkova and Jain., 2007), manufacturing (Jarvis et al., 2008) and so on.

I congratulate Professor Dr Claudio Turchetti and Professor Dr Paolo Crippa for founding an excellent international journal.

With my warmest greetings and wishes for great success.

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