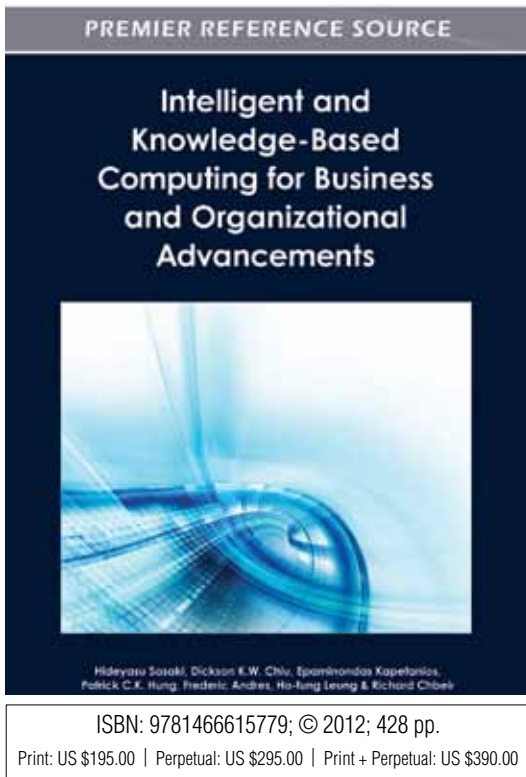


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## Intelligent and Knowledge-Based Computing for Business and Organizational Advancements



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As organizations, businesses, and other institutions work to move forward during a new era of ubiquitous modern technology, new computing and technology implementation strategies are necessary to harness the shared knowledge of individuals to advance their organizations as a whole.

**Intelligent and Knowledge-Based Computing for Business and Organizational Advancements** examines the emerging computing paradigm of Collective Intelligence (CI). The global contributions contained in this publication will prove to be essential to both researchers and practitioners in the computer and information science communities as these populations move toward a new period of fully technology-integrated business.

### Topics Covered:

- Artificial intelligence for organizational management
- Collaboration and communication systems
- Collective intelligence
- Decision science
- Genetic algorithms and evolutionary computing
- Global enterprise systems
- Intelligent agents and multi-agent systems
- Knowledge discovery
- Self-organizing and complex systems
- Soft computing in organizations

**Market:** This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

**Hideyasu Sasaki** is the founding Editor-in-Chief of International Journal of Organizational and Collective Intelligence (IJOICI), IRMA, NJ, United States. He is active in several international program committees including IEEE SMC 2011 Part B Human-Machine Systems. Prof. Sasaki is a Fellow member of IARIA and has been awarded best paper awards for his presentations twice consecutively, and the 4th Annual Excellence in Research Journal Award from IRMA for his co-authored journal article in IJSSOE about a steganography technique using artificial neural networks in 2010. Dr. Sasaki has been awarded the competitive Japan Society for Science Promotion (JSPS) grants over the past six years from the very beginning of his tenured professorship. He received the Microsoft Research Grant in 2005. Dr. Sasaki is an Associate Professor of Computer Science at Ritsumeikan University in Kyoto, Japan. He has been tenured there since 2005. Prof. Sasaki received his BA, LLB from the University of Tokyo, Japan, LLM from University of Chicago Law School, MS (Hons) and PhD (Highest Hons) in Computer and Information Sciences in 1992, 1994, 1999, 2001, and 2003, respectively. In his graduate research, he won the title of Keio Engineering Society Fellow (2001). He has experience as a lawyer and in litigation as an Attorney-at-Law in New York since 1999.

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