Intelligent Information Technologies (IJIIT)

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Intelligent information technologies are being used by a large number of organizations for improving productivity in many roles such as assistants to human operators and autonomous decision-making components of complex systems. While a number of intelligent applications have been developed in various domains, there are still a number of research issues that have to be explored in terms of their design, implementation, integration, and deployment over the Internet or a corporate Intranet.

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- Agent-based simulation and application integration
- Cooperative and collaborative systems
- Distributed intelligent systems and technologies
- Human-agent interaction and experimental evaluation
- Implementation, deployment, diffusion, and organizational impact
- Integrating business intelligence from internal and external sources
- Intelligent agent and multi-agent systems in various domains
- Intelligent Decision Support Systems
- Intelligent information retrieval and business intelligence
- Intelligent information systems development using design science principles
- Intelligent Web mining and knowledge discovery systems
- Manufacturing information systems
- Models, architectures, and behavior models for agent-oriented information systems
- Multimedia information processing
- Privacy, security, and trust issues
- Reasoning, learning, and adaptive systems
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Vijayan Sugumaran is a Professor of Management Information Systems in the department of Decision and Information Sciences at Oakland University in Rochester, Michigan, as well as a WCU Professor of Service Systems Management and Engineering at Sogang University in South Korea. He received his PhD in Information Technology from George Mason University, located in Fairfax, VA, and his research interests are in the areas of service science, ontologies and Semantic Web, intelligent agent and multi-agent systems, component based software development, and knowledge-based systems. His most recent publications have appeared in Information Systems Research, ACM Transactions on Database Systems, IEEE Transactions on Education, IEEE Transactions on Engineering Management, Communications of the ACM, Healthcare Management Science, and Data and Knowledge Engineering. He has published over 150 peer-reviewed articles in journals, conferences, and books. He has edited ten books and two journal special issues, and he is the editor-in-chief of the International Journal of Intelligent Information Technologies and also serves on the editorial board of seven other journals. He was the program co-chair for the 13th International Conference on Applications of Natural Language to Information Systems (NLDB 2008). In addition, he has served as the chair of the Intelligent Agent and Multi-Agent Systems mini-track for Americas Conference on Information Systems (AMCIS 1999 - 2012) and Intelligent Information Systems track for the Information Resources Management Association International Conference (IRMA 2001, 2002, 2005 - 2007). He served as Chair of the E-Commerce track for Decision Science Institute’s Annual Conference, 2004. He was the Information Technology Coordinator for the Decision Sciences Institute (2007-2009). He also regularly serves as a program committee member for numerous national and international conferences.