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Work"; "References"; "5 Accurate Computation of Fingerprint Intrinsic Images with PDE-Based Regularization"; "Abstract"; "1a€? Introduction"; "2a€?Coarse Intrinsic Images Computation"; "2.1 Orientation Field"; "2.2 Frequency Map"; "2.3 Quality Map and Segmentation Map"; "3a€?PDE-based Regularization"; "4a€? Experimental Results"; "5a€?Conclusion"; "Acknowledgments"; "References"

"6 A Context Ontology Modeling and Uncertain Reasoning Approach Based on Certainty Factor for Context-Aware Computing""Abstract"; "1a€?Introduction"; "2a€?Overview of the Context-Aware System"; "3a€?Context Model"; "3.1 Ontology-Based Model"; "3.2 Ontology Model Based on Certainty Factor"; "4a€?Context Reasoning"; "4.1 Setting of Weights"; "4.2 Uncertain Reasoning Process Description"; "5a€?Case Study"; "5.1 Reasoning Model of Uncertain Context"; "5.2 Application of Uncertain Reasoning"; "6a€?Conclusion"; "References"
"7 Research on Mental Coefficient of a Multi-Agent Negotiation Model""Abstract"; "1a€?Introduction"; "2a€?Multi-Agent Cooperation Model"; "2.1 Negotiation Process"; "2.2 Definition and Update Agentsa€? Mental Coefficient"; "2.3 Definition of Acquaintance Model and its Sort Management"; "2.3.1 The Concept of Acquaintance Coalition"; "2.3.2 Classify Acquaintance Coalition"; "2.3.3 The Management of Acquaintance Coalition"; "2.4 Bidding and Decision Function"; "2.4.1 Bidding Document"; "2.4.2 Bidding Decision Function"; "2.4.3 Win the Bidding Decision Function"
"3a€?MACMMS Algorithm"

Sommario/riassunto

These proceedings present technical papers selected from the 2012 International Conference on Intelligent Systems and Knowledge Engineering (ISKE 2012), held on December 15-17 in Beijing. The aim of this conference is to bring together experts from different fields of expertise to discuss the state-of-the-art in Intelligent Systems and Knowledge Engineering, and to present new findings and perspectives on future developments. The proceedings introduce current scientific and technical advances in the fields of artificial intelligence, machine learning, pattern recognition, data mining, knowledge engineering, information retrieval, information theory, knowledge-based systems, knowledge representation and reasoning, multi-agent systems, and natural-language processing, etc. Furthermore they include papers on new intelligent computing paradigms, which combine new computing methodologies, e.g., cloud computing, service computing and pervasive computing with traditional intelligent methods. By presenting new methodologies and practices, the proceedings will benefit both researchers and practitioners who want to utilize intelligent methods in their specific fields. Dr. Fuchun Sun is a professor at the Department of Computer Science & Technology, Tsinghua University, China. Dr. Tianrui Li is a professor at the School of Information Science & Technology, Southwest Jiaotong University, Chengdu, China. Dr. Hongbo Li also works at the Department of Computer Science & Technology, Tsinghua University, China.
