



The 4th Asian Conference on Intelligent Information and Database Systems – ACIIDS 2012

March 19 ~ 21, 2012, Kaohsiung, Taiwan

ACIIDS 2012 is an international scientific conference for research in the field of intelligent information and database systems. The aim of the conference is to provide an internationally respected forum for scientific research in the technologies and applications of intelligent information and database systems. This conference will provide an excellent opportunity for researchers to discuss modern approaches and techniques for intelligent information and database systems, and their applications.

The proceedings of ACIIDS 2012 will be published by Springer in series of Lecture Notes in Artificial Intelligence LNCS/LNAI (indexed by DBLP, EI, and Thomson ISI).

Honorary Chair:

Cheng-Qi Zhang, University of Technology, Australia
Szu-Wei Yang, President, National Taichung University of Education, Taiwan
Tadeusz Wieckowski, Rector, Wrocław University of Technology, Poland

Advisory Chair:

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Publication Chair:

Chin-Shiuh Shieh, National Kaohsiung University of Applied Sciences, Taiwan
Li-Hsing Yen, National University of Kaohsiung, Taiwan

Invited Session Chair:

Mong-Fong Horng, National Kaohsiung University of Applied Sciences, Taiwan
Tzung-Pei Hong, National University of Kaohsiung, Taiwan
Rung-Ching Chen, Chaoyang University of Technology, Taiwan
Local Organizing Chair:
Thou-Ho Chen, National Kaohsiung University of Applied Sciences, Taiwan

Important dates:

Special Session and workshop proposal
August 15, 2011
Paper submission
November 5, 2011
Notification
November 30, 2011
Camera-ready paper submission
December 20, 2011

The scope of the conference includes, but not limited to, the following topics:

1. Intelligent Information Systems:

Artificial intelligence, Distributed Artificial Intelligence, Intelligent Agents and Multi-Agent Systems, Hybrid Intelligent Systems, Information technologies and measurement, Intelligent optimization techniques, Intelligent techniques in Bioinformatics, Computational Intelligence, Intelligent Internet Systems, Intelligent Software Systems, Intelligent Energy Systems, Game and Decision Theories, Planning, Neurocomputers, Parallel Computation, Robotics and Autonomous Robots, Automation Systems and Control, Ontologies and Information Sharing, Development and management of heterogeneous knowledge bases, Computational Nanotechnology.

2. Intelligent Database Systems:

Database management technologies, Heterogeneous and distributed databases, Mobile databases, Temporal databases, Active and dynamic databases, Semi-structured and XML-able database systems, Object-relational DBMS, Data inconsistency processing, Data conflict solving, Method engineering and meta-modeling, Objected-oriented database systems, Unified Modeling Language and unified processes, Data warehousing and data mining, Database models and query languages, Database security and integrity, Database support for virtual teams and mobile collaboration, E-business and m-commerce models and architectures, Empirical software engineering, Enterprise systems and supply chain integration, Extreme modeling and extreme programming, Information retrieval systems, Intelligent information systems, Information modeling and requirements engineering.

3. Tools and Applications:

Collaborative Learning, Collaborative Systems and Applications, Simulation systems, Speech and Natural Language Processing, Artificial social systems, Autonomic computing, Case studies and reports on deployments, Computational infrastructures, Information retrieval, Web services and semantic web, E-learning systems, E-institutions, E-commerce, E-finance