

Proceedings

**Eighth International Conference
on Intelligent Systems
Design and Applications
ISDA 2008**

26-28 November 2008
Kaohsiung, Taiwan

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Preface

ISDA 2008

Welcome to the 8th International Conference on Intelligent Systems Design and Applications (ISDA'08) held in Kaohsiung, Taiwan which is one of the most beautiful harbor cities in the world. ISDA'08 is hosted by National Kaohsiung University of Applied Sciences and technically co-sponsored by IEEE, Fuzzy systems Association and Ubiquitous International. It brings together international soft computing, artificial intelligence, computational intelligence researchers, developers, practitioners and users. The aim of ISDA'08 is to serve as a forum to present current and future work as well as to exchange research ideas in this field.

ISAD2008 focused on the following themes:

- Intelligent System Architectures and Applications
- Intelligent Image and Signal Processing
- Intelligent Internet Modeling
- Intelligent Data Mining
- Intelligent Business Systems
- Intelligent Control and Automation
- Intelligent Agents
- Intelligent Knowledge Management
- Innovative Information Security
- Innovative Networking and Communication Techniques

We received a total of 642 papers and finally 360 papers are accepted after the review process. The three-day conference program is enriched with 36 lecture sessions and 9 poster sessions. The three keynote speeches were kindly provided by Professor Junzo Watada (University of Waseda, Japan), on "DNA Computing and its Application", Professor Shyi-Ming Chen (National Taiwan University of Science and Technology, Taipei), on "Handling Forecasting Problems Based on Fuzzy Time Series and Genetic Algorithms", and Professor Vaclav Snasel (VSB-Technical University of Ostrava, Czech Republic), on "Binary Data Mining". All the above speakers are leading experts in related research area.

We would express our sincere gratitude to the session and workshop organizers, the program committee, and organizing committee for their hard work to make ISDA'08 successful. We also wish to thank all authors for the quality of their papers. Finally, we would like to express special thanks to IEEE, IEEE SMC Society, National Science Council of R.O.C., Education Ministry of R.O.C., Kaohsiung City Government and National Kaohsiung University of Applied Science for their generous support in making ISDA2008 possible.

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