

Preface

The 2013 Chinese Intelligent Automation Conference (CIAC2013) was Sponsored by Intelligent Automation Committee, Chinese Association of Automation and organized by Yangzhou University in Yangzhou, Jiangsu Province, China; 23–25, August, 2013. The objective of CIAC2013 was to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Intelligent Control, Intelligent Information Processing and Intelligent Technology and Systems. This conference provided opportunities for the delegates to exchange new ideas and application experiences face-to-face, to establish research or business relations and to find partners for future collaboration.

We have received more than 800 papers. The topics include adaptive control, fuzzy control, neural network-based control, knowledge-based control, hybrid intelligent control, learning control, evolutionary mechanism-based control, multi-sensor integration, failure diagnosis, and reconfigurable control, etc. Engineers and researchers from academia, industry, and government can gain an inside view of new solutions combining ideas from multiple disciplines in the field of Intelligent Automation. All submitted papers have been subject to a strict peer-review process; 285 of them were selected for presentation at the conference and included in the CIAC2013 proceedings. We believe the proceedings can provide the readers a broad overview of the latest advances in the fields of Intelligent Automation.

CIAC2013 has been supported by many professors (see the name list of the committees); we would like to take this opportunity to express our sincere gratitude and highest respect to them. At the same time, we also express our sincere thanks for the support of every delegate.

Zengqi Sun
Chair of CIAC2013

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