Welcome Message from the Chairs

ICI 2011

We are very pleased to welcome our colleagues from Asia, Europe and other parts of the world to our first international conference on Informatics and Computational Intelligence, ICI2011 being held at Parahyangan Catholic University, Bandung, Indonesia. The conference Program Committee has organized an exciting and balanced program comprising presentations from distinguished experts in the field, and important and wide-ranging contributions on state-of-the-art research that provides new insights into the latest innovations in informatics science and technology and their application to and interaction with computational intelligence. The focus of this unique conference, which the committee hopes will become a biennial or even annual event, is the interaction between these 2 disciplines and explores the development of concepts, principles and algorithms in informatics for computational intelligence and their applications in all areas relevant to system engineering, science, technology, business, management and industry. The first ever such event in Bandung and in this part of the world, we are extremely pleased and proud it has attracted such a large number of submissions. We are hopeful that its outstanding technical content contributed by leading researchers in the field from Asia, Europe and worldwide will ensure its continued success for the future. No plans have yet been finalized for the location of a follow on event, but it would be appropriate to choose another interesting location in this region to enjoy the wealth, depth and breadth of its cultural and social diversity.

The main themes addressed by this conference are:

- Neural Networks
- Fuzzy Systems
- Evolutionary Computation
- Autonomous Mental Development
- Adaptive Dynamic Programming and Reinforcement Learning
- Bioinformatics and Bioengineering
- Computational Finance and Economics
- Data Mining
- Games, VR and Visualization
- Emergent Technologies
- Intelligent Systems and Applications
- Hybrid and Soft Computing
- Systems Intelligence and Intelligence Systems
- Control of Intelligent Systems and Control Intelligence
- e-Science and e-Systems
- Robotics, Cybernetics, Engineering, Manufacturing and Control
- Methodologies, Tools and Operations Research
- Image, Speech and Signal Processing
- Industry, Business, Management, Human Factors and Social Issues
- Energy, Power, Transport, Logistics, Harbour, Shipping and Marine Simulation
- Parallel, Distributed and Cloud Computing Architectures and Systems
- Internet Modelling, Semantic Web, Ontologies, Service Providers, IPv6
- Mobile/Ad hoc wireless networks, mobicast, sensor placement, target tracking
- Performance Engineering of Computer & Communication Systems
- Circuits, Sensors and Devices

ICI2011 is co-sponsored by Parahyangan Catholic University, Bandung, Indonesia, and technically sponsored by IEEE Computer Society UK & RI section, Asia Modelling and Simulation Society (AMSS),
UK Simulation Society, European Simulation Federation (EUROSIM), European Council for Modelling and Simulation (ECMS), Liverpool University, Kingston University, McLeod Institute of Simulation Science, Genoa, University of Technology Malaysia (UTM) and Nottingham Trent University, UK. ICI2011 proved to be popular and received submissions from over 20 countries. The conference program committee had a very challenging task of choosing high quality submissions. Each paper was peer reviewed by several independent referees of the program committee and, based on the recommendation of the reviewers, 61 papers were finally chosen for inclusion in the proceedings. The papers offer stimulating insights into the emerging area of interaction between informatics science and technology and computational intelligence and their broad spectrum of applications. We express our sincere thanks to the plenary speakers, authors, track chairs, Program Committee members, and additional reviewers who have made this conference a success. Finally, we hope that you will find the conference to be a valuable resource in your professional, research, and educational activities whether you are a student, academic, researcher, or a practicing professional. Enjoy!

David Al-Dabass, Lucky Adhie, Thomas Basuki, Veronica Moertini
General, Conference and Program Chairs