Preface

The international conference on Automation and Robotics-ICAR2011 is held during December 12–13, 2011 in Dubai, UAE. The proceedings of ICAR2011 have been published by Springer Lecture Notes in Electrical Engineering, which include about 163 excellent papers selected from more than 400 submitted paper(s).

The conference is intended to bring together the researchers and engineers/technologists working in different aspects of intelligent control systems and optimization, robotics and automation, signal processing, sensors, systems modeling and control, industrial engineering, production and management. In addition to the contributed papers, the conference committee has invited papers by active researchers from various countries in relevant topic areas covered at ICAR2011. Internationally known experts from several countries are invited to deliver plenary/Keynote lectures at ICAR2011.

Much of the credit of the success of the conference is due to topic coordinators who have devoted their expertise and experience in promoting and in general co-ordination of the activities for the organization and operation of the conference. The coordinators of various session topics have devoted a considerable time and energy in soliciting papers from relevant researchers for presentation at the conference. The Chairpersons of the different session played important role in conducting the proceedings of the session in a timely and efficient manner and the Committee expresses sincere appreciation for their involvement.

The reviewers of the manuscripts, those by tradition would remain anonymous, have been very helpful in efficiently reviewing the manuscripts, providing valuable comments well within the time allotted to them. The Editors express their sincere and grateful thanks to all reviewers.

The ICAR2011 International Committee is proud to dedicate this conference proceeding to the Honor Chair David Wang from IEEE Nanotechnology Council Cambodia Chapter Past Chair, Cambodia. And Mark Zhou, from Hong Kong Education Society, Hong Kong, was not only an outstanding researcher and visionary but was also a humble human being.

Finally, our sincere thanks to the supper from Information Engineering Research Institute (USA) for designing the conference web page and also spending countless days in preparing the final conference program in time for printing. Many thanks to Miss Han: ICAR2011 secretary for arranging to type a large number of the invitation letters and for establishing the vast ICAR2011 conference address data base. Sincere thanks to our organization committee for their several months’ hard work in sorting out manuscripts from various authors. Also thanks to other staffs assisting in the various stage of the editorial work, especially the international committees of our conference.

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