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Subseries of Lecture Notes in Computer Science

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Preface

The organizing committee for the 6th International Conference on Intelligent Robotics and Applications has been committed to facilitating the interactions among members in the field of intelligent robotics, automation and mechatronics. Through this conference, the committee intends to enhance the sharing of individual experiences and expertise in intelligent robotics with particular emphasis on technical challenges associated with varied applications such as biomedical application, industrial automations, surveillance, and sustainable mobility.

The 6th International Conference on Intelligent Robotics and Applications was most successful in attracting 184 submissions on addressing the state-of-the-art developments in robotics, automation, and mechatronics. Owing to a lot of valuable submission papers, the committee was faced with the difficult challenge of selecting the most deserving papers for inclusion in these lecture notes. For this purpose, the committee undertook a rigorous review process. Despite the high quality of most of the submissions, a total of 147 papers were selected for publication in 2 volumes of Springer’s Lecture Notes in Artificial Intelligence as subseries of Lecture Notes in Computer Science. The selected papers will also be presented during the 6th International Conference on Intelligent Robotics and Applications to be held during September 25-28, 2013 in Busan, South Korea.

The selected articles represent the contributions from the scientists from 20 different countries. The contributions of the technical program committee and the referees are deeply appreciated. Most of all, we would like to express our sincere thanks to the authors for submitting their most recent works and the Organizing Committee for their enormous efforts to turn this event into a smoothly-running meeting. Special thanks go to Pusan National University for the generosity and direct support. We particularly thank Mr. Alfred Hofmann and Ms. Anna Kramer of Springer-Verlag for their enthusiastic support in this project.

We sincerely hope that these volumes will prove to be an important resource for the scientific community.

July 2013

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