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Intelligent Robotics and Applications

11th International Conference, ICIRA 2018
Newcastle, NSW, Australia, August 9–11, 2018
Proceedings, Part II
Preface

The 11th International Conference on Intelligent Robotics and Applications (ICIRA 2018) was hosted by the School of Electrical Engineering and Computing, Faculty of Engineering and Built Environment, The University of Newcastle, Australia, during August 9–11, 2018. The conference aimed at bringing researchers from several countries and organizations together to encourage new collaborations in the areas of robotics, automation, and mechatronics.

In this edition of the event, we had some outstanding contributions in the areas of multi-agent systems and distributed control, mobile robotics and path planning, robotic vision, human–machine interaction, and robot intelligence and learning. In addition, there were many contributions in application areas, including rehabilitation robotics and industrial robots.

The conference attracted a total of 129 submissions by researchers from 13 countries, and 81 manuscripts were accepted for presentation and inclusion in the conference proceedings. All manuscripts accepted were peer-reviewed by at least two reviewers, and represent valuable contributions to the state of the art in robotics research.

We acknowledge the contribution of the Program Committee as well as all the reviewers in supporting this event. We also thank the four plenary speakers who participated in the conference: Emeritus Laureate Professor Graham Goodwin from The University of Newcastle, Australia, Professor Toshio Fukuda from Nagoya University, Japan, Professor Eduardo Nebot from The University of Sydney, Australia, and Professor Richard Middleton from The University of Newcastle, Australia. Special thanks go to Laureate Professor Graham Goodwin for his contributed paper, included in these proceedings. We also thank all authors who chose this event to submit their work and hope it met their expectations. Finally, we thank Springer for the support and for providing access to the conference organization system, which streamlined the entire process.

June 2018

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