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Preface

With the theme "Make Robots Infinitely Possible", the 14th International Conference on Intelligent Robotics and Applications (ICIRA 2021) was held in Yantai, China, during October 22–25, 2021, and designed to encourage advancement in the field of robotics, automation, mechatronics, and applications. The ICIRA series aims to promote top-level research and globalize quality research in general, making discussions and presentations more internationally competitive and focusing on the latest outstanding achievements, future trends, and demands.

ICIRA 2021 was organized by Tsinghua University, co-organized by Beihang University, Shandong University, YEDA, Yantai University, and IFToMM China-Beijing, undertaken by the Tsingke+ Research Institute, and technically co-sponsored by Springer. On this occasion, three distinguished plenary speakers and 10 keynote speakers delivered their outstanding research works in various fields of robotics. Participants gave a total of 186 oral presentations and 115 poster presentations, enjoying this excellent opportunity to share their latest research findings.

The ICIRA 2021 proceedings cover over 17 research topics, with a total of 299 papers selected for publication in four volumes of Springer's Lecture Note in Artificial Intelligence. Here we would like to express our sincere appreciation to all the authors, participants, and distinguished plenary and keynote speakers. Special thanks are also extended to all members of the Organizing Committee, all reviewers for peer review, all staff of the conference affairs group, and all volunteers for their diligent work.

October 2021

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