

Preface

In November 2017, the 2nd International Symposium on Artificial Intelligence and Robotics took place in Kitakyushu, Japan. This conference was organized by the International Society for Artificial Intelligence and Robotics (ISAIR, <https://shinoceanland.com/conference/>), Kitakyushu Convention and Visitors Association, Support Center for Advanced Telecommunications Technology Research Foundation, and Kyushu Institute of Technology, Japan. The annual organized series conferences focus on exchanges of the new ideas and new practices in industry applications. This book's objective is to provide a platform for researchers to share their thoughts and findings on various issues involved in artificial intelligence and robotics.

The integration of artificial intelligence and robotics technologies has become a topic of increasing interest for both researchers and developers from academic fields and industries worldwide. It is foreseeable that artificial intelligence will be the main approach to the next generation of robotics research. The explosive number of artificial intelligence algorithms and increasing computational power of computers has significantly extended the number of potential applications for computer vision. It has also brought new challenges to the artificial intelligence community. The aim of this book is to provide a platform to share up-to-date scientific achievements in this field. ISAIR2017 had received over 100 papers from over 11 countries in the world. After the careful review process, 35 papers were selected based on their originality, significance, technical soundness, and clarity of exposition. The papers of this book were chosen based on review scored submitted by members of the program committee and underwent further rigorous rounds of review.

It is our sincere hope that this volume provides stimulation and inspiration, and that it will be used as a foundation for works to come.

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