

Preface

For the first time, the International Conference on Intelligent Autonomous Systems (IAS) is held in China and organized by Shanghai Jiao Tong University. This year, the 14th IAS is held in Shanghai from July 3 to July 7, 2016 at Shanghai Jiao Tong University with the goal of bringing together researchers and engineers from around the world to present their latest research accomplishments, innovations, and visions in the field of robotics and artificial intelligence.

The theme of IAS-14 is **“Frontier of intelligent autonomous systems,”** reflecting the ever growing interests in research, development, and applications in the dynamic and exciting areas of robotics.

After going through a rigorous peer-review process, totally, 85 papers have been selected for oral presentation. The scientific program consists of 24 technical sessions in 4 tracks, running over two days in comfortable slots of 20 min. The conference program is enriched by four plenary talks from Maarja Kruusmaa, Davide Scaramuzza, Jun Ota, Barry Trimmer, and one keynote talk by Dong Sun.

We are grateful for the assistance of the staff members and students of Shanghai Jiao Tong University. We would also thank all members of the organization committee for their help in organizing this event. Special thanks should be given to all the authors for contributing their research works, and all the participants for making the conference a memorable event.

We hope that these proceedings, and especially the participation in the IAS-14 Conference and its related events, will inspire new ideas, foster new research, and create new friendships which can grow into fruitful collaborations. IAS-14 promises to be a great event for all participants, with excellent technical and social programs.

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