Call for Paper

The 2025 IEEE International Conference on Real-time Computing and Robotics

Advisory Council :
 Yunhui Liu, The Chinese University of Hong Kong
 Shugen Ma, The Hong Kong University of Science and Technology (Guangzhou)
 Shigeki Sugano, Waseda University

General Chair：
 Zhongkui Wang, Ritsumeikan University

General Co-Chairs:
 Zhidong Wang, Chiba Institute of Technology
 Kazuhiro Shimonomura, Ritsumeikan University
 Weiwei Wan, Osaka University

Program Chairs:
 Zhe Liu, Shanghai Jiao Tong University
 Lin Meng, Ritsumeikan University

Program Co-Chairs:
 Shingo Shimoda, Nagoya University
 Tetsunari Inamura, Tamagawa University
 Qiquan Quan, Harbin Institute of Technology
 Yang Tian, Shinshu University

Organizing Co-Chairs:
 Zhiqiang Miao, Hunan University
 Atsushi Kakogawa, Ritsumeikan University
 Qing Shi, Beijing Institute of Technology
 Guoteng Zhang, Shandong University

Regional Program Chairs：
 Tiantian Xu, Shenzhen Institute of Advanced Technology, CAS
 Hongying Zhang, National University of Singapore
 Rui Fan, Tongji University
 Qiukai Qi, University of Bristol
 Mingzhu Zhu, Northwestern Polytechnical University

Awards Committee Chair:
 Xiang Li, Tsinghua University
 Jianshu Zhou, UC Berkeley
 Longchuan Li, Beijing University of Chemical Technology

Publicity Chairs:
 Ning Sun, Nankai University
 Chao Ren, Tianjin University
 Hengyi Li, Zhongyuan University of Technology

Publications Chair：
 Hannibal Paul, Ritsumeikan University
 Yuquan Leng, Southern University of Science and Technology

Publications Co-Chairs：
 Zhenglong Sun, The Chinese University of Hong Kong, Shenzhen
 Jianwen Zhao, Harbin Institute of Technology
 Xuebin Yue, Zhongyuan University of Technology

Local Arrangement Chairs:
 Xiangbo Kong, Toyama Prefectural University
 Zhe Qiu, Ritsumeikan University
 Qi Li, Ritsumeikan University

Financial Chair:
 Lijun Han, Shanghai Jiao Tong University

Toyama, Japan
June 1-6, 2025

https://smartconf.jp/content/rcar2025/

The 2025 IEEE International Conference on Real-time Computing and Robotics (IEEE RCAR 2025) will take place from June 1 to 6, 2025 in Toyama, Japan. The objective of this conference is to provide a forum for researchers in robotics and real-time computing to share the latest results and explore the opportunity of research collaboration. With wide applications of robots in industry and services sectors, real-time computing plays one of the major roles in various topics in robotics including real-time control, human-robot interactions, sensor perception and fusion, robot intelligence, etc. The scope of RCAR 2025 covers research, development and applications in the dynamic and exciting areas of real-time computing and robotics.

"Toyama" means "rich with mountains"! The city offers stunning views of a series of 3,000-meter peaks belonging to the Northern Japan Alps. Located on the picturesque Japan Sea, only 250km northwest of Tokyo (two hours by Shinkansen), you will be amazed by the perfect scenery and dynamic landscape. Historically, Toyama was a powerful castle town and offers visitors splendid ancient festivals and neighborhoods with traditional 19th century wooden buildings, together with ultra-modern trams that crisscross beautiful downtown rivers and canals, and the largest community of glass artists in Japan. With some of the most famous sashimi and sushi in Japan, award winning pure water, spectacular mountain trekking, remarkable museums, and easy access, eco-friendly Toyama really has it all!

Contributed Papers: Original papers are solicited in all related areas of Real-time Computing and Robotics. Full papers must be submitted in PDF format prepared strictly following the IEEE Requirements for Creating PDF Documents for the IEEE Xplore®. For format information, please visit the conference website. All accepted papers are expected to be included in IEEE Xplore and will be indexed by EI.

Tutorials & Workshops: Proposals for T/W addressing new topics in Real-time Computing and Robotics are invited for submission to the T/W chair.

Journal Publications: Expanded versions of the accepted and presented papers with high quality will be invited for publication in related journals.

Important Dates:
Submission of original PDF full papers: **February 15, 2025**
Submission of organized session proposals: **February 15, 2025**
Notification of paper and organized session acceptance: **April 1, 2025**
Submission of final papers and advance registration: **April 15, 2025**

Conference Secretary Email: rcar2025@pcojapan.jp