Call for Papers

2021 IEEE International Conference on Real-time Computing and Robotics (RCAR 2021)

July 15-19, 2021, Xining, Qinghai, China

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The 2021 IEEE International Conference on Real-time Computing and Robotics (IEEE RCAR 2021) will take place from July 15 to 19, 2021 in the beautiful city of Xining, Qinghai, China. The objective of this conference is to provide a forum for researchers in robotics and real-time computing to share the latest results and to 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 IEEE RCAR 2021 covers research, development and applications in the dynamic and exciting areas of real-time computing and robotics.

Contributed Papers: Original papers are solicited in all related areas of robotics, mechatronics, control engineering. Full papers must be submitted in PDF format prepared strictly following the requirements for creating PDF documents. For detailed format information, please visit the conference website. The conference proceedings will be submitted to the IEEE Xplore® digital library

Tutorials & Workshops: Proposals for tutorials and workshops addressing new topics related to robotics and real-time computing are invited for submission to the T/W chairs.

Journal Publications: Expanded versions of the accepted and presented papers with high quality will be invited for publication in the RCAR 2021 special issues in the selected leading international journals.

Areas and topics of contributed papers include but are not limited to the following:
• robotics and intelligent mechatronics systems;

• sensing, perception and control theories and their applications;

• real-time imaging, image/video processing and their applications;

• selected frontier areas, such as soft robotics, artificial intelligence, computational biomechanics, etc, and their applications.

Xining, located in the northeast of the Qinghai-Tibet Plateau, is the capital of Qinghai Province. Xining has good ecology and pleasant environment. With an average temperature of 18.3°C in summer, it is known as "Cool City in the World" and "China's Summer Capital". Xining's multi-ethnic population, multi-religious coexistence, and multi-cultural gathering have formed an open and inclusive city and a splendid local customs. It is rich in tourism resources, including the famous Tibetan Buddhism holy site Taer Monastery and Dongguan Mosque. It is only 150 kilometers away from Qinghai Lake, the largest saltwater lake in inland China.

IEEE RCAR 2021 promises to be a great event for all participants, with excellent technical and social programs.

Important Dates:

• Submission of full papers: **Feb. 20, 2021**
• Submission of organized session/workshop: **Feb. 20, 2021**
• Notification of acceptance: **Apr. 20, 2021**
• Final paper submission: **May 1, 2021**
• Early bird registration: **May 1, 2021**

For more information, please visit the conference website

www.ieee-rcar.org