

Call for Proposals of Robot Design Competitions



Important Dates

- Submission Deadline: **June 10th, 2024**
- Notification of Acceptance: **June 20th, 2024**
- Final Versions Submission: **June 30th, 2024**

All time is at the end of the day, everywhere on earth

We are very pleased to invite you to submit your proposals for Robot Design Competitions at the 33rd IEEE International Conference on Robot and Human Interactive Communication, which will take place at the Pasadena Convention Center in Pasadena, California, USA, from August 26th to 30th, 2024.

The theme of the IEEE RO-MAN 2024 is “**Embracing Human-Centered HRI**”. We encourage participants to bring their unique understanding of the theme and develop their interactive robotic objects or systems. More importantly, such robotic systems need to clearly demonstrate how they fit in human-centered interaction, and enhance human wellbeing.

Please visit the office website www.ro-man2024.org for more information. The format of RO-MAN 2024 will be either "hybrid" or in-person only. The committee will decide in early 2024.

Submission

Initial Submissions: Robot Design Competition participants should prepare an initial submission and email it to competition@ro-man2024.org by the deadline (June 10th, 2024). With the submission made, the teams enter the competition and commit to work on the project.

The goal of the robot design competition of the 33rd RO-MAN is to provide a platform for researchers and students from a diverse background to demonstrate their vision of interactive robotics, and inspire their peers on how human-centered intelligence could augment human-robot interaction. Each team's initial submission should be a 2-4 page pictorial, following the call template open format, that includes:

- Project title and authors (names, affiliations, and email addresses).
- An abstract of 150 words or fewer
- A brief description should include but not limit to design context, the human involved, the scenarios, and the activities. Descriptions of both the technical and behavioral aspects are encouraged, so that the Chairs can better evaluate the project.

- One or more visualizations of the interactive robotic object. The image can be in the format of photographs, CAD models, hand-drawn sketches, digital images, or even AI-generated images.

Click the link below to download a template for initial Submission

Award

Winners will be announced at the end of the conference during the close ceremony. A jury of RO-MAN community luminaires will select winners of Gold, Silver, and Bronze. The winners will be judged on the merit of their technical soundness, the context-appropriate design, and the impact of their demonstrations. The award prizes for the three levels are \$1000, \$800, and \$500, respectively.

Robot Design Competition Chairs

Nik Martelaro

Jangwon Lee

Cristina

Wenhua Fan

Zhaobo Zheng