HRI'19

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2019 Chairs' Welcome

It is our great pleasure to welcome you to the *14th Annual ACM/IEEE International Conference on Human Robot Interaction – HRI'19.* The HRI Conference is a highly selective international meeting showcasing the best research in human-robot interaction (HRI), with roots in and broad participation from various communities of scholars, including but not limited to robotics, human-computer interaction, artificial intelligence, engineering, social and behavioral sciences, and design.

The theme of this year's conference is "Collaborative HRI." Through this naming, we hope to distinguish between cooperation, where multiple humans (and robots!) contribute to solving a problem, and collaboration, where the humans and robots coordinate action toward a shared goal. Over the last few years, we've enjoyed seeing our field progress from the former to the latter. Achieving collaborative HRI requires the convergence of technical, social, and design skills and perspectives. To represent this multidisciplinarity, we solicited and reviewed papers under four submission themes: "Human-Robot Interaction User Studies," "Technical Advances in Human-Robot Interaction," "Human-Robot Interaction Design," and "Theory and Methods in Human-Robot Interaction." Each submission theme was overseen by a dedicated theme chair and reviewed by a dedicated group of program committee members, who worked together with the program chairs to define and apply review criteria appropriate to each of the four contribution types.

The conference attracted 199 submissions from Asia-Pacific, Europe, the Middle East, and North America. Each full paper was aligned with a theme-appropriate subcommittee, and subsequently reviewed through a double-blind process, which was followed by a rebuttal phase, and shepherding where found appropriate by the program committee. Following the review process, the program committee selected 48 (24%) of the submissions for presentation as full papers at the conference. As the conference is jointly sponsored by IEEE and ACM, papers are archived in both the ACM Digital Library and the IEEE Xplore.

We have chosen a single-track format for full paper sessions this year, with slightly shorter presentation times than last year, hoping to balance the competing goals of having presenters reach the full community, allowing sufficient time for discussion, and creating opportunities for informal meetings outside of sessions. Designing the program was a challenge, but it allows us to present papers from alternative tracks, such as alt.HRI and THRI, and experiment with new presentation formats. Our principle is to reevaluate our methods and processes, as appropriate for a growing conference covering a rapidly evolving field, and we will likely revisit our alternatives in following years.

Along with the full papers, the conference program and proceedings include Late Breaking Reports, Videos, Demos, and an alt.HRI section. Out of 98 total submissions, 77 (79%) Late Breaking Reports (LBRs) were accepted and will be presented as posters at the conference. A new peer-review process ensured that authors of LBR submissions received detailed feedback on their work. Ten short videos were accepted for presentation during a dedicated video session. The program also includes 4 demos of robot systems that participants will have an opportunity to interact with during the conference. We continue to include an alt.HRI session in this year's program, consisting of 5 papers (selected out of 20 submissions, 25%) that push the boundaries of thought and practice in the field. This year, we are continuing the Student Design Competition to encourage student participation in the conference and enrich the program with design inspiration

and insights developed by student teams. The conference will also include 6 full-day and 10 half-day workshops on a wide array of topics.

Finally, we have the pleasure of presenting four inspiring keynote speakers who represent well the multidisciplinary nature of the HRI conference: Gil Weinberg (Georgia Tech Center for Music Technology, USA), Janet Vertesi (Sociology Department, Princeton University, USA), Kyu-Jin Cho (Dept. of Mechanical Engineering, Seoul National University, Korea), and Jangwon Lee (PEPPERTONES, Antenna / Music and Audio Computing Lab, Graduate School of Culture Technology, KAIST).

HRI 2019 was made possible through the significant volunteer efforts of the organizing committee, program committee, reviewers, and the steering committee. We thank the keynote speakers, financial supporters, and international reviewers for their support and participation. The conference is sponsored by IEEE Robotics and Automation Society, ACM SIGCHI, ACM SIGAI, and is in cooperation with AAAI.

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