

# [CFP] Inaugural Workshop on Virtual, Augmented and Mixed Reality for Human-Robot Interaction

Collocated with HRI 2018, Chicago

[\[link\] http://vam-hri.xyz/](http://vam-hri.xyz/) [\[contact\] vamhri2018@easychair.org](mailto:vamhri2018@easychair.org)

The 1<sup>st</sup> International Workshop on **Virtual, Augmented, and Mixed Reality for Human-Robot Interaction (VAM-HRI)** seeks to bring together researchers from different areas of the HRI, Robotics, Artificial Intelligence, and Mixed Reality communities with the goal of identifying and codifying the challenges in the emerging area of mixed reality interactions between humans and robots. While there has been sporadic work in this area during the last decade, with interest mostly confined to industrial applications, recent advances in the space of mixed reality technologies have opened up exciting avenues of research in the field of HRI. This is thus the first workshop of its kind at an academic AI or Robotics conference and is intended to serve as a timely call to arms to the academic community in response to the growing promise of this emerging field.

We welcome contributions across a wide range of topics but not necessarily limited to:

- Mixed reality intention communication
- AR-based behavior explanation
- AR/VR for robot testing and diagnostics
- VR for HRI human-subject experimentation
- Efficient representations for AR/VR
- Mixed-reality language grounding
- AR-augmented natural language generation
- Mixed reality robot control interfaces
- Hardware/software for MR-based HRI
- Identification and analysis of HRI problems that can benefit most from emerging AR and VR technologies.



March 5th, 2018.

The Inaugural International Workshop on Virtual, Augmented and Mixed Reality for Human-Robot Interaction.

## Submission Instructions

**FULL PAPERS:** 6-8 page papers presenting novel work.

**EXTENDED ABSTRACTS:** 2-4 page papers presenting previous, current, or proposed work.

Submit here → <https://easychair.org/conferences/?conf=vamhri2018>

All submitted papers should conform to the 2017 ACM SIG Proceedings format (as used for the HRI main conference). Papers will undergo mutual review; as such, authors of submitted papers will be expected to provide a small number of reviews for fellow authors. All accepted papers will be accompanied by lightning talks and poster presentations and will be archived on the workshop website.

**SUBMISSIONS DEADLINE:** February 9th, 2018

**NOTIFICATION OF ACCEPTANCE/REJECTION:** February 16th, 2018

## Organizing Committee

Tom Williams, Colorado School of Mines

Daniel Szafir, University of Colorado Boulder

Tathagata Chakraborti, Arizona State University

Heni Ben-Amor, Arizona State University

## Advisory Board

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