

Preface AutomationXP 2022

## **Workshop on Engaging with Automation**

### **Understanding and Designing for Operation, Appropriation, and Behavior Change**

Co-located with ACM CHI Conference on Human Factors in Computing Systems 2022

Automation has been permeating our everyday lives in various facets. Given both the ubiquity and, in many cases, the indispensability of ubiquitous automated systems, creating engaging experiences with them becomes increasingly relevant. This workshop provided a platform for researchers and practitioners working on (semi-)automated systems and their user experience and allowed for cross-discipline networking and knowledge transfer. In a keynote talk, paper presentations, discussions, and hands-on sessions, the participants explored and discussed user engagement with automation for operation, appropriation, and behavior change.

Participants had been asked to submit position papers describing their relevant recent or future work. Overall, 14 papers were accepted by an expert committee for presentation. The workshop was held in a hybrid format with a participant group hosted on-site in New Orleans and a remote group connected via Zoom.

The results of the workshop were a set of research ideas to drive further automation experience research in a collaborative interdisciplinary manner. Selected position papers from the workshop were invited to submit an extended version to the related Theme Issue "Engaging with Automation" to be published in the journal "Personal and Ubiquitous Computing".

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