Call for Papers
Human-Centered Artificial Intelligence (HCAI) Workshop
in the context of HCII 2022 (to be held virtually)
'The 6 Grand Challenges for HCAI: A deep dive'
Monday, 27 June 2022

IMPORTANT DATES

- Submissions due: ~~15 February 2022~~ **April 30, 2022**
- Acceptance Notification: ~~15 April 2022~~ **May 15, 2022**
- Camera-ready manuscripts (full or short papers) due: ~~15 May 2022~~ **May 31, 2022**
- Workshop event: **Monday, June 27, 2022**

Building upon the success of the previous (HCII 2021 – HCAI) Workshop and the tremendous interest that has been generated recently around a broad spectrum of issues concerning Human-Centered Artificial Intelligence, the HCAI Working Group will hold a follow up workshop at the HCI International 2022 conference (HCII 2022) to be held virtually.

WORKSHOP OBJECTIVE

Rapid advancements in Artificial Intelligence (AI) are enabling technological applications with far-reaching implications. Consequently, there is increasing importance in taking an informed approach in the design of these AI systems, tools and agents so as to maximize their utility and value to humanity, while minimizing their risk and overcoming the human users' reluctance towards them.

Currently in its second year of existence, the Human-Centered Artificial Intelligence (HCAI) Working Group will bring together a diverse, interdisciplinary group of prominent scholars and industry leaders and facilitate a thought-provoking exploration and discussion of contemporary issues related to AI, placing human users at the core.

Given the diverse goals of this workshop, a non-exhaustive list of potential topics includes:

- Human well-being and AI
  - Wellness, Health, Democratization, Access and Participation, Literacy
- Human-AI interaction
  - Metaphors, Collaboration, Collusion, Human-Robot Teams, User Empowerment
- Privacy and security
  - Resources, Infrastructure, Guidelines
- Responsible AI
  - Explainability, Fairness, Ethics, Accountability, Liability
- Governance/Independent Oversight
  - Auditing, Accountability, Infrastructure of Trust, AI Compliance, Data ownership
- Comprehensive HCAI Design, Implementation, and Evaluation Framework
  - Application of UXD methods to AI/ML systems. Metrics to measure HCAI implementation success

SUBMISSION, REVIEW AND ACCEPTANCE PROCESS

The Workshop will feature completed research and research-in-progress submissions accepted for presentation, following a rigorous peer review process. Workshop contributors are required to submit either a full manuscript or an extended 800-word abstract through the HCII 2022 Conference Management System (CMS). All submissions should be accompanied by a short author bio (a small paragraph).

Accepted full papers (10-20 pages long) will be included in the HCII 2022 "Late Breaking Work - Papers" Springer LNCS volumes of the conference proceedings. Accepted short research papers (4-8 pages long) will be included in the HCII2022 "Late Breaking Work - Posters" Springer CCIS volumes of the conference proceedings. Guidelines for the preparation of camera-ready contributions will become available through the conference website in due course.

Authors who not wish to have their paper published in the conference proceedings, but opt to pursue an alternative publication channel, should clearly indicate so by adding a note at the top of their submitted proposal.

Accepted contributions will be presented at the Workshop on the 27th of June 2022 and presenters are required to register for the conference.

WORKSHOP CO-CHAIRS

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