



# CHItaly 2023 - Crossing HCI and AI

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# Foreword

## CHIItaly 2023: Crossing HCI and AI

*Cristina Gena, Luigi De Russis, Tania Di Mascio, Rosa Lanzilotti, Davide Spano, Salvatore Andolina, and Catia Prandi*

Welcome to the 15th edition of the biannual conference of the Italian SIGCHI Chapter – CHIItaly 2023 – which is held in Torino, Italy, on September 20-23, 2023. The conference is an ACM Chapter Conference, in-Cooperation with ACM SIGCHI, and supported by the SIGCHI Development Fund.

The conference theme is “Crossing HCI and AI”. Indeed, Human-Centered Artificial Intelligence (HCAI) has gained popularity for bringing humans into the center of AI design. HCAI has the potential to create systems that provide intelligent computations beneficial to humans, thus supporting them in achieving their objectives. In addition, HCAI systems focus on enhancing human performance, increasing their reliability, safety, and trustworthiness. This may also involve designing an interface that effectively leverages human skills and capabilities to improve human performance with an application. Together with vital aspects like transparency, explainability, and fairness, the conference aims to consolidate the efforts made by the local and global community to spur further reflections and activities.

CHIItaly 2023 aimed at debating the intersection of HCI and AI as an emerging field of research, devoted mostly to Intelligent User Interfaces, i.e., interfaces developed using the approaches from HCI and the tools from AI.

Besides the special theme of CHIItaly 2023, the conference is interested in all aspects of HCI, such as:

- Fundamentals of HCI;
- Interactive Environments;
- Interaction Techniques, Modalities and Devices;
- Applications of HCI.

This year, we received 36 long papers and 43 short paper submissions. In keeping with CHIItaly standards, each paper was carefully reviewed by members of the Program Committee (PC). The international PC consisted of 89 members. These were leading researchers as well as highly promising young researchers. Papers were assigned to at least 3 PC members based on their expertise, interests, and other factors. As such, each paper received at least 3 reviews. After the initial reviews were submitted, the Paper Chairs facilitated discussion amongst reviewers in order to resolve differences and correct misunderstandings. Then, Paper Chairs made the final decisions based on these discussions, weighting reviewer scores and comments. We accepted 44% of the long paper (16) and 37% of the short paper (16) submissions for oral presentation and inclusion in the proceedings. The overall acceptance rate for long and short papers is, therefore, 40%.

In addition, the program features posters and demos, which collectively showcase the wide spectrum of novel ideas and latest results mainly around HCAI, smart assistants and chatbots, and extended reality applications. Among 25 posters and demos received, 19 were accepted (76%, 10 posters and 9 demos). Furthermore, the program includes 4 posters from industry, in response to a dedicated call. All the posters and demos are included in the proceedings.

We also invited two distinguished keynote speakers, each illustrating significant issues and prospective directions for the field:

- Cristina Conati, professor at the University of British Columbia, who will give a talk entitled “Towards Personalized Explainable AI”.
- Valerio Saffirio, brand builder and innovation manager, with his talk “What knowledge for what Paradise”.

The conference includes a Doctoral Consortium that provides an opportunity for Ph.D. students to explore and develop their research interests under the guidance of distinguished scholars. This track received 10 submissions of which 9 were accepted for presentation and discussion at CHIItaly.

A set of 4 workshops round out the program.

- cAESAR, the fourth Workshop on Adapted interaction with Social Robots, organized by: Berardina (Nadja) De Carolis, Cristina Gena, Antonio Lieto, Silvia Rossi, and Alessandra Sciutti.
- GENERAL, the first Workshop on GENERative, Explainable and Reasonable Artificial Learning, organized by: Federico Torrielli, Amon Rapp, and Luigi Di Caro.
- HCAI4U, the first Workshop on User Perspectives in Human-Centred Artificial Intelligence, organized by: Ernesto William De Luca, Knut Polkehn, Erasmo Purificato, and Sabine Wehnert.
- S3C, the first Sustainable, Secure, and Smart Collaboration Workshop, organized by: Maria Angela Pellegrino, Vittorio Scarano, Carmine Spagnuolo, and Gennaro Cordasco.

To conclude, we would like to acknowledge the excellent work and help from the CHIItaly 2023 Committees, including:

- All Program Committee members and sub-reviewers.
- All the Chairs.

We thank our sponsors for their generous support:

- Academic Institutions
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Thanks to the authors for sending us their best work and to all the attendees who bring CHIItaly 2023 to life.

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