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Association for
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Advancing Computing as a Science & Profession



CHI 2019

Proceedings of the 2019 CHI Conference on
Human Factors in Computing Systems

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Stephen Brewster, University of Glasgow, UK
Geraldine Fitzpatrick, TU Wien, Austria

Technical Program Chairs:

Anna Cox, University College London, UK
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**Association for
Computing Machinery**

Advancing Computing as a Science & Profession

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General Chairs' Welcome

We are excited to welcome you to CHI 2019 in Glasgow! This is the first time CHI has been in the UK and we very happy to host it in Scotland. Our theme is 'Weaving the Threads of CHI', reflected in our celtic knot symbol of strength and friendship. The threads of CHI are people from different disciplines, cultures, communities, backgrounds – designers, researchers, practitioners – weaving together around the common purpose of technology that works for people and society.

The theme of weaving informed all our planning and we are excited to present a vibrant programme for you to experience. Apart from an outstanding technical programme, we have created many other opportunities for 'weaving' to happen: Lunch@CHI on Monday-Wednesday; CHI Stories on Tuesday evening; and an evening UX Industry event with a special invited speaker. We have also organised open social events every evening, including a Newcomers reception on Sunday and a sponsors reception on Wednesday in the Science Centre.

A particular highlight is the Interactivity and Demonstrations programme, launched at the Reception on Monday evening, giving a live glimpse into the future with 50 hands-on prototypes, artworks, design experiences as well as inspirational technologies, and including a special 20 year anniversary exhibition from Nottingham University's Mixed Reality Lab.

We are thrilled with our dynamic keynote speakers. Aleks Krotoski is a broadcaster, journalist and academic who presents the BBC Digital Human series and The Guardian newspaper's Tech Weekly podcast. Ivan Poupyrev (Google) is an award-winning technology leader, scientist and designer working at the cutting edge of interactive technologies and textiles.

We are also excited to continue the commitment to making CHI, and CHI content, more widely accessible. We will be live-streaming most paper sessions. We will support remote attendance to social sessions through a new form of telepresence being trialed this year. We also support diversity and inclusion by providing a nursing room, all-gender bathrooms, badge pronouns, a desensitization room and a prayer room. We have appointed Equity chairs for the first time to take a broader overview of equity concerns. Our new Sustainability chairs are also helping us take steps towards making the CHI event more sustainable.

We have also had many organisational changes to CHI this year: a virtual programme committee meeting, a new submission system, new paper templates, a new logistics company and a new registration system, to name a few. Some of these have caused you and us headaches but all of them will make CHI stronger for future years.

We welcome you to Glasgow and our hope is that, over the next six days, you weave yourself ever more as a part of the CHI community, exploring technology and world-class research, engaging in discussions with your community of designers, researchers, students, and practitioners and all attendees!

Stephen Brewster

CHI'19 General Chair

University of Glasgow, Scotland, UK

Geraldine Fitzpatrick

CHI'19 General Chair

TU Wien, Austria

TPC Chairs' welcome

The CHI 2019 conference will kick off with a weekend packed with 35 workshops, 6 symposia, and the doctoral colloquium. This year we have introduced part-day workshops, to enable increased participation across the whole range of topics that are of relevance to CHI.

The main conference will run from Monday to Thursday across 23 parallel sessions that will include papers, panels, case studies, Special Interest Groups, courses, video showcase, alt.chi, and the popular student research and student design competitions. This year interactivity will consist of both demos and installations, with the latter being larger and more substantial exhibits that will be on display at the conference.

This great programme is included in the Proceedings and Extended Abstracts of the conference. As with previous years, there are two fundamental categories of contributions that become archived in the ACM Digital Library. Papers are the most rigorously peer reviewed and are considered the most prestigious material presented at the conference, all of which are collected in the Conference Proceedings. The remaining categories of work are collected in the Extended Abstracts of the Conference. These include peer-reviewed, juried, or curated contributions, and reflect the breadth of research, design, education, artistic, scientific exploration and engineering activity within the HCI community.

Making this programme possible was a challenging and rewarding experience. This year our community used a new template for the submissions, and a new platform for receiving submissions and managing the review process. In addition, this year the program committee meeting was largely carried out using online video conferencing.

We are truly excited that this year CHI received 4652 submissions and accepted 1298. For papers, we received 2958 submissions (the 2018 conference received 2592) which were rigorously reviewed, resulting in 703 accepted papers (acceptance rate 23.8%). In addition 21 journal papers will be presented at the conference.

As always, we give a huge thanks to the 116 members of the organising committee who made sure the conference is organised successfully, the 541 members of the programme committees who wrote 7996 reviews, and the 3950 external reviewers who wrote 7176 reviews.

We also wish to thank the staff at Sheridan Communications (particularly Lisa Tolles) who worked extremely hard to ensure that all submissions were processed, and who managed to do so at a time of transition in our community's templates and submission system.

We hope you enjoy the technical program and it inspires you!

Anna Cox & Vassilis Kostakos

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