Asian CHI Symposium: HCI Research from Asia and on Asian Contexts and Cultures

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Abstract

This symposium showcases the latest HCI work from Asia and those focusing on incorporating Asian sociocultural factors in their design and implementation. In addition to circulating ideas and envisioning future research in human-computer interaction, this symposium aims to foster social

Timeline of CHI venues for Asia

2015 Japanese CHI Symposium; Chinese CHI Symposium; Crossing HCI for Development in Asia Pacific [1]

2016 Japanese CHI Symposium; Chinese CHI 2016 Workshop; SEACHI 2016 [2]

2017 Asian CHI Symposium

2018 Asian CHI Symposium [3]; Chinese CHI 2018 Workshop

2019 Asian CHI Symposium; HCI in China Workshop

networks among academics (researchers and students) and practitioners and grow a research community from Asia.

Author Keywords
User interfaces; interaction design; interactive systems; interaction techniques; Asia.

CSS Concepts
• Human-centered computing → Human computer interaction (HCI)

Introduction
The field of Human-Computer Interaction (HCI) uses insights on how social, cultural, and political identities shape the way people interact with technologies. While North American and European researchers have been largely instrumental in growing what we know about the field, Asian counterparts contribute by exploring different research directions and problems, expanding the applications and potential of HCI research in Asian cultures and societies. Japanese researchers in particular have been pursuing interesting and unique research directions in interaction techniques and interactive systems. Due to its maturity, the Japanese HCI research community has already established well-regarded domestic conferences ("IPSJ Interaction" and "JSSST Workshop on Interactive Systems and Software (WISS)") as well as journals, accepting very intriguing work with creative solutions on hard problems. However, Japanese researchers are often unable to have opportunities to present their work at international venues because the publication criteria are quite different. This is even a larger barrier for young researchers as they may not have sufficient experience in publishing and presenting their work at

international conferences. The same can be said for other mature HCI communities in East Asia like China, South Korea and Taiwan. Despite their flourishing domestic HCI research, they still face challenges disseminating their work in bigger international venues.

On the other hand, researchers in the global south, like South and Southeast Asia, face a greater challenge of underrepresentation in these large venues despite tackling equally hard research problems. This is because of their smaller and nascent HCI research communities and limited financial and institutional support to share their works. Thus, providing an opportunity of presenting latest research outcomes from Asia at CHI will benefit the whole HCI research community as well as Asian researchers who otherwise would not attend the conference. To this end, several batches of Asian researchers have jointly organized symposiums and region-specific workshops at CHI since 2015. These were started by the Japanese, Southeast Asian and Chinese communities and the timeline shows how this effort has progressed over the years with much success. However, despite consistent efforts in growing diversity in the main and specialized conferences, research from Asia are still under-represented.

At CHI 2020, we plan to continue the successes of the 2019 version by organizing another joint event with more research leaders from Asian countries like Japan, South Korea, China, India, Malaysia, Indonesia, Thailand and the Philippines. We also recruited ambassadors from other underrepresented regions like Taiwan and South Asia who will help us increase participation from their home institutions and countries. Aside from increasing participation from all over Asia,

Additional Missions for 2020

After assessing the outcomes of the 2019 symposium, we have elected to pursue two additional missions:

- Improve the quality of submissions to proudly present quality HCI research from Asia on the ACM Digital Library.
- Improve the geographical diversity of the authors and the participants.

we will also continue inviting esteemed and emerging HCI researchers to give keynote speeches, inspire future research, and urge participants to embark on new problems, sub-fields or methods. These actions contribute towards our mission of providing a high-quality venue for Asian HCI researchers to have international exchanges. It is also aimed to be a place for young researchers and students to interact with other senior and junior colleagues.

Expected Outcomes and Measurements

We expect to have the following outcomes:

1. We aim for the number of participants to be comparable or exceeding last year (80 registered participants) and to have 30% being Asian newcomers to SIGCHI community.
2. We aim to have at least 40% of the participants being young researchers (studying PhD or below), and we will ask all participants to rate whether the extent that this goal is successful in a Likert-style question in a post-event evaluation.
3. We will create a shepherding process and to have at least 40% of submissions (with intent to be listed on the ACM Digital Library) being shepherded. We will ask the shepherds to rate the quality of the submission before and after the shepherding process with respect to the quality scale of CHI papers. We expect to see a difference in these ratings pre- and post-shepherding. (For details, see the *Call for Participation* section.)
4. We aim to have a higher proportion of participants from more Asian countries, especially from South and Southeast Asia than in the past.

Symposium Day and Structure

Asian CHI Symposium is the largest symposium at CHI, with 85 participants from 2019. As CHI 2020 will be located closer to Asia, we expect the Asian CHI Symposium 2020 to be bigger, with an estimate of at least 100 participants. We plan to have the symposium on Saturday. With this limited time for some participants, placing the symposium on Saturday allows a gap day before the main conference begins. This additional day allows more chance of interactions among international participants (among themselves and with other CHI participants from the west). Similar to the past, many participants are local chapter leaders and will be representing their local SIGCHI chapters, having the symposium on Saturday allows them to participate in the meeting of SIGCHI Local Chapters on Sunday or other pre-CHI community activities. Having it the other way around (symposium on Sunday) will increase difficulties for these Chapter representatives to request travel and financial approval from their institution.

Poster and demo presentations: All authors with accepted submissions are expected to give present their poster at the symposium. Additionally, they may also give interactive demonstrations to encourage active discussions. There will be a "prime time" slot for each work in which its authors are expected to be presenting the work to the audience. At the rest of the sessions, authors can freely choose either to continue their presentation or interact with other presenters.

Proposed Symposium Activities

In summary, the timeline of the symposium will be as follows:

- Introduction, icebreaking, speed-networking
- SIGCHI Asian Development Committee presents recent activities in and related to Asia
- Keynote speeches
- Coffee & lunch breaks
- Poster and demo presentations
- Group discussions (career development, research collaboration, connection between experienced and young researchers)
- Plenary reflection and closing ceremony
- Networking dinner

Plenary and Keynote speeches: In the plenary session, we will introduce activities in Asian communities and presentations from esteemed speakers who work in Asian region or Asian-related projects. Each talk will be 20–30 minutes long including Q&A.

Mixers: We will provide opportunities to connect young researchers with international research communities and stimulate international collaboration. We envision the group discussions and networking dinner to serve this purpose.

Pre-symposium Plans

We will set up a website (sigchi.pk/asianchi2020) that will host the call for papers, future program. In addition, will also host a blog to share the missions and the process of organizing the symposium. It will serve as an organizational memory for future organizers. We will promote the symposium actively on Facebook and Twitter. Through a collaboration with our ambassadors, we will also advertise this symposium at regional journals and conferences and in their online social networks.

Post-symposium Plans

After the symposium, we will assess the attainment of our expected outcomes and share them with the rest of the community. (See section *Expected Outcomes and Measurements.*) We aim to summarize the experience in an *Interactions* magazine article.

Publication
Original submissions that are accepted to present at the symposium may choose to have their camera-ready submissions to be listed in the ACM Digital Library as abstract-only, the whole extended abstract, or not at all. These options provide enough flexibility for work-in-progress submissions so that they can continue their work, and have it published later in a journal or conference. For authors who will choose to publish their whole extended abstracts, there's a shepherding post-symposium: Selected mentors will closely work with authors to improve the quality of the manuscript. Only submissions that successfully go through the shepherding will be added to the ACM Digital Library. For the *showcase* submissions (that will also be presented in other CHI 2020 tracks), their entry in the proceedings of the symposium will contain only the title and authors with a pointer to the corresponding entry in the CHI 2020 Proceedings or Extended Abstract Proceedings.

Organizers

Briane Paul V. Samson is a PhD candidate at Future University Hakodate. He explores novel modalities of giving navigation information and guidance for drivers that encourages them to follow system optimal and sustainable routes. (brianesamson.com)

Dr. Suleman Shahid is an Assistant Professor in Computer Science at Lahore University of Management Science (LUMS). His research focuses on the intersection of design, technology and wellbeing with applications to assistive technologies for children and elderly, learning technologies, and information and communication technologies for development.

Akihiro Matsufuji is a graduate student in System Design at the Tokyo Metropolitan University. His research interests include human robot interaction and neural networks.

Dr. Chat Wacharamanotham is an Assistant Professor at the University of Zurich. He studies how scientists use statistics, both in conducting statistical analysis and in consuming statistical reports. He develops and study interactive tools for conducting statistical analysis and learn statistics. (zpac.ch/chat)

Toni-Jan Keith Monserrat is a PhD candidate at the University of the Philippines Los Baños. He specializes in improving interventions on interactive platforms for learning. He loves to teach web development and web performance to new developers. (bit.ly/tjmonsi-research-01)

Dr. Keyur Sorathia is an Associate Professor in the Department of Design, Indian Institute of Technology (IIT) Guwahati in India. He mainly works in the areas of ICTD and recent research efforts are concentrated on interaction techniques on VR platforms. He runs a lab called Embedded Interaction Lab (EILab) to pursue his research interests.

Dr. Masitah Ghazali is an Associate Professor at the School of Computing and a member of ViCubeLab Research Group at Universiti Teknologi Malaysia (UTM). She is currently an IT Associate Fellow at the Centre of ICT at UTM. She is one of the founding members and currently the chair of Kuala Lumpur chapter (myHCI-UX).

Shio Miyafuji is a Ph.D. candidate at Tokyo Institute of Technology and a research fellow of the Japan Society for the Promotion of Science (JSPS). Her research interests are spatial user interface and augmented/virtual reality.

Dr. Nova Ahmed is working at North South University, Bangladesh as an Associate Professor. She has completed her PhD at Georgia Institute of Technology in systems area and became fascinated with HCI working with marginal people when she returned to Bangladesh. Her focus area includes Feminist HCI and HCI for Social Justice.

Prof. A. B. M. Alim Al Islam (Razi) is an Associate Professor in the Department of CSE, BUET, Bangladesh. He received his Ph.D. degree from the School of ECE, Purdue University, USA. His research interests cover HCI, systems and networking, simulation, security, transportation, etc., all mostly focusing on the notion of serving the under-served people all over the world.

Dr. Kazuyuki Fujita is an Assistant Professor at Tohoku University. He received his Ph.D. in Information Science and Technology from Osaka University in 2013. His research interests are spatial user interface and virtual reality.

Dr. Eunice Sari is the CEO and Co-Founder of UX Indonesia. She is a University Research Fellow of Charles Darwin University Australia. Currently, she is the ACM SIGCHI VP for Chapters and part of the Asian Development Committee for Southeast Asia. As a practitioner, Eunice is also a Google Developer Mentor in Product Design and Strategy, where she leads a number of global UX projects.

Adi Tedjasaputra, M.Sc (Josh) is the Director and Co-Founder of UX Indonesia and CX Insight Pty Ltd Australias. As one of the few UX experts in Indonesia, he is also a Google Developer Mentor in Product Design and Strategy with 15+ years of international

Reviewing process

The symposium submission process allows all authors to get feedback to improve their research before presenting it in the symposium. We will recruit the reviewers with the help from our volunteer ambassadors. This would allow us to get quality feedback for the abstract submissions. For those authors who want their submissions to be archived in the ACM Digital Library, we will enlist the help of reviewers of accepted presentations to shepherd the paper for camera-ready after the symposium.

Symposium Supporters

We are truly grateful that the Information Processing Society of Japan (IPSJ) has continued their support for this event by providing financial support for the organizers and attendees. We will continue to seek more supporters to make this symposium successful.

experience in creating business strategy, disruptive technology, marketing, and branding of successful products and services in Europe and Asia Pacific. He is also part of the Asian Development Committee for Southeast Asia

Prof. Yoshifumi Kitamura is Deputy Director and Professor at the Research Institute of Electrical Communication, Tohoku University. He serves the Japan Liaison of IFIP TC-13 and Japan liaison and chair of ACM SIGCHI Asian Development Committee, chair of Japan ACM SIGCHI Chapter, steering committee chair of ACM VRST. He also served as ACM SIGGRAPH Asia 2015 Conference Chair and will serve as General Co-chair for the ACM CHI 2021.

We are also supported by the ambassadors who are listed as the rest of the co-authors of this proposal.

Call for Participation

The Asian CHI Symposium invites latest HCI research papers from Asia and those focusing on incorporating Asian sociocultural factors in their design and implementation. This symposium aims to show works originated from each Asian country or closely related to the Asian culture and society and promote its unique problems and approaches to the global community. This symposium is also intended to foster a network of young researchers.

Submission
Original works either present (1) completed studies or systems, (2) preliminary results, or (3) an extension or a discussion of an alternative perspective of previously published work. These submissions must be within six (6) pages in CHI 2020 Extended Abstract format.

Showcase are works that will be presented at other CHI 2020 tracks. They could be presented at the symposium to broaden the dissemination of high-quality published research and to inspire applications, replications, continuation, spin-offs and collaboration. All types of submissions are not anonymized and uploaded through the website below.

Paper Selection
Each original submission will receive two anonymized reviews under the following criteria: originality; significance; and validity. The submissions under the *showcase* category will be curated by taking into account the following factors: the number of the accepted *original* submissions; the geographical diversity of the attendees; and the diversity of research topics.

Conference Registration
At least one author of each accepted submission must attend the symposium to present their work. All participants must register for the symposium and at least one day of the conference.

Website: https://asian-chi.github.io/2020

References
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[3] Eunice Sari (Ed.). 2018. Asian HCI Symposium'18: Proceedings of the Asian HCI Symposium'18 on Emerging Research Collection. ACM, New York, NY, USA.