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CHI EA'22: Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems

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► **To cite this version:**

Simone Barbosa, Cliff Lampe, Caroline Appert, David A. Shamma. CHI EA'22: Extended Abstracts of the 2022 CHI Conference on Human Factors in Computing Systems. ACM, 2022, 978-1-4503-9156-6. 10.1145/3491101 . hal-04098176

HAL Id: hal-04098176

<https://inria.hal.science/hal-04098176>

Submitted on 22 May 2023

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April 30-May 5, 2022
New Orleans, LA, USA



Association for
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Advancing Computing as a Science & Profession



CHI'22

Extended Abstracts of the 2022 CHI Conference on
Human Factors in Computing Systems

Sponsored by:

ACM SIGCHI

General Chairs:

Simone Barbosa, PUC-Rio, Brazil

Cliff Lampe, University of Michigan, USA

Technical Program Chairs:

Caroline Appert, Université Paris-Saclay, France

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**Association for
Computing Machinery**

Advancing Computing as a Science & Profession

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CHI'22 Extended Abstract Proceedings ISBN: 978-1-4503-9156-6

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Printed in the USA

General Chairs' Welcome

Welcome to CHI2022! This is the first fully hybrid CHI, and our return to in-person meetings after two years of a global pandemic. Our theme has been “Cultivating Communities”, and over the past two years of planning for this conference we’ve seen how important our communities are, and how fragile they can be. We specifically picked the term “communities” because we also understand that CHI comprises diverse communities, and that it is a privilege for CHI to have them all come together for a few days to exchange high-level ideas and advance the field in various directions, all aiming at a better future with technology.

Our focus for this conference has been to find ways to connect people in spite of their physical separation. It’s been to truly think about the pros and cons of “hybrid” conferences. Our additional goal has been to think about what belonging to our communities means, and how we can nurture that sense of belonging for all people. The conference this year is a grand experiment for us all, and while we are sure there will be friction and problems, we are as sure that the people of CHI will overcome them, will insist on future improvements, and will continue to drive innovation. If we decide that hybrid conferences are in our future, we’ll all need to think about new processes, new methods of generating revenue, and new systems to support our activity.

We are proud to have pioneered a papers revision process for CHI2022. The scale of CHI has always made the revision process for papers seem daunting, but this year with feedback from the CHI Steering Committee (which is composed of past general, technical, and papers chairs) and some thoughtful leadership by our own papers chairs we were able to design a process by which some people could submit papers, receive feedback, and resubmit those papers in the same cycle. For a first step, we are very happy with the results. Future conferences will iterate on this process, and over time we will find a process that balances our desire for both speed of publication and quality of feedback and research. But the barrier has been broken, and now CHI has a future with a revise and resubmit process.

This CHI has drawn volunteers from an open call. One of our major goals this year was to create new processes for equity and justice in our community. We established the Equity, Justice and Accessibility roles as “executive” level positions, so those advocates could be part of every conversation and every decision involving the conference. We conducted an open call for volunteers for almost all leadership positions within the conference – and staffed most roles out of that open call. The only exceptions were for roles that required significant experience or technical knowledge. Consequently, we were able to place many people into content leadership roles for the first time.

We want to be good guests in New Orleans. This is a fantastic city that has shown resilience in the face of disaster. This city is also one of the most important cities in the country, with an amazing cross-cultural and multilingual heritage. To be good guests and support the city, we have sourced non-profit organizations for our members to donate to, we’ve invited local artisans to sell their merchandise directly in our exhibit hall, we’ve prioritized local, Black-owned businesses whenever possible for making purchases, and have worked closely with our local arrangement chairs and people at the convention center to recommend experiences that will enable people to get to know the multiple facets of this city.

We are very excited for those able to be in-person that they get to experience the Crescent City. It has been shaped by French, Spanish, West African, and Native American cultural roots. It has also been shaped by colonialism, slavery, civil war, natural disasters, and multiple pandemics. Through all of this, it has turned turmoil and pain into art and culture. It’s a city that is proud of itself and how it has endured. If you get a chance to be there, check our lists of restaurants and cultural experiences. If you’re participating online, we’ll be sharing some of our favorite content related to NOLA, including music, movies, and recipes.

The role of every CHI organizing team is to innovate to improve the conference, while also preserving what has worked in the past. We are continuing the focus of past CHIs in considering our carbon footprint - thinking about locally sourced products at the conference, reducing mailings and printed materials in general, buying recycled products when available. We also see the hybrid conference as a major step towards more sustainable practices, and it enables people to advance their careers through the conference without having to make the flight to the conference to do so.

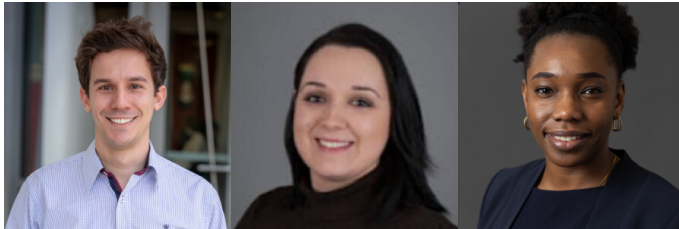
Years of planning go into every CHI. We started this process in 2019, well before the COVID-19 pandemic. The conference operates on a multi-year scale, which is easy to forget when one is actually attending it. For instance, when we came on in 2019, the conference city and dates had already been selected by the Steering Committee, as contracts for spaces like convention centers often book many years ahead of schedule. The up-side of this multi-year scale is that we continue to learn and grow - and planning this hybrid conference has taught us many valuable lessons.

We want to thank the dozens of people who served as organizers for this conference. Given the uncertainty of hybrid, in many cases we were asking them to organize two CHI conferences, when often organizing one is already seen as a challenge. This was a ludicrous request to make, and these chairs all delivered spectacularly. There are too many of them to name here, but they forever have our gratitude for their service, for their thoughtfulness, and for their passion in making CHI the best it can be.

If we've all learned something in the past few years, it's that nothing is certain. At various times in our organizing process we didn't know what the course of the pandemic would look like. We didn't know how people would respond to the hybrid options, or to the changes we were making to the conference. But the other thing we've learned from the pandemic is to be grateful for that which endures. Like New Orleans has endured its natural and manmade disasters, CHI will endure and thrive. This is because of you – the person willing to submit to the conference, to review papers, to organize a venue, to advocate for others, to find reviewers, to present their work or to listen to the work of others. In other words, our communities are what we are grateful for. Thank you and laissez les bons temps rouler!



Cliff Lampe (*University of Michigan, USA*)
Simone Barbosa (*PUC-Rio, Brazil*)
General Chairs, CHI 2022



Danilo Gasques (*UC San Diego, USA*)
Monica Pereira (*Brunel University London, UK*)
Ihudiya Finda Williams (*University of Michigan, USA*)
Assistants to the General Chairs, CHI 2022

Technical Program Chairs' Welcome

After 44 fully virtual events (14 courses, 29 workshops and 1 symposium) happen mid-April, the onsite-hybrid CHI 2022 conference will kick off with a weekend packed with 18 workshops, 1 symposium, and the doctoral consortium. The main conference will run from Monday to Thursday across more than 15 parallel sessions that will include papers, panels, journal presentations, case studies, special interest groups, courses, alt.chi, and the popular student research, student game and student design competitions. This year, most technical sessions are truly hybrid and will include live presentations and Q&As from both remote and onsite authors. Most pieces of technical content also feature a pre-recorded video that will be available on the conference platform, allowing attendees to watch content and ask questions asynchronously.

This comprehensive program is included in the Proceedings and Extended Abstracts of the conference. As with previous years, there are two fundamental categories of contributions that go to the ACM Digital Library: Papers and Extended Abstracts. Papers are the most rigorously peer reviewed and are considered the most prestigious material presented at the conference. The remaining categories of work are collected in the Extended Abstracts. These include juried and curated contributions, evaluated by experts in the field, and reflect the breadth of research, design, education, artistic, scientific exploration and engineering activity within the HCI community.

Making this program possible was a challenging and rewarding experience, involving the work of thousands of volunteers. For papers, we received 2,579 submissions (the 2021 conference received 2,845) which were rigorously reviewed, resulting in 637 accepted papers at a 24.7% acceptance rate. At CHI this year, we will also have 258 late-breaking works from 722 submissions; 15 alt.chi from 34 submissions; 39 interactivity works from 61 submissions; 33 case studies from 96 submissions; 50 workshops/symposia from 81 submissions; 13 SIGs from 23 submissions; 10 panels from 19 submissions; and 27 courses from 28 submissions. In addition, 58 journal papers will be presented at the conference. Finally, we will have 23 students presenting their work at the doctoral consortium from 40 submissions; 9 student research competition works from 15 submissions; 7 student game competition works from 11 submissions; and 8 student design competition works from 20 submissions.

The most important change this year is that the selection of CHI papers included a revise and resubmit phase to the review process. This was organized in two rounds, giving some authors the opportunity to submit a revised version of their manuscript after having received feedback from reviewers. The interactivity chairs also invited authors of demos that were already published in the proceedings of an ACM conference but that had never got the chance to be presented as live, on site demos due to the pandemic. These demos are not included in these proceedings as they do not have a new entry in the ACM Digital Library but they will run live in the New Orleans Convention Center.

As always, we would like to warmly thank the members of the conference organizing committee, the members of the program committee who wrote many reviews and discussed papers at length, and the abundance of external reviewers across many of the conference tracks. In total, 11,199 reviews were written for the CHI papers track alone. We would like to thank the SIGCHI Operations team for processing and uploading all of the talk videos and previews across most of our content. We also wish to very sincerely thank our CHI Publications team. They have made a tremendous amount of work, and the production of these proceedings would never have been possible without them.

Finally, thanks to everyone who contributed to the program – your work is highly appreciated! We hope you enjoy the technical program and that it inspires you!



Caroline Appert (*Université Paris-Saclay, France*)
David A. Shamma (*Toyota Research Institute, USA*)
Technical Program Chairs, CHI 2022



Dominic DiFranzo (*Lehigh University, USA*)
Hugo Romat (*Microsoft, USA*)
Assistants to the Technical Program Chairs, CHI 2022

Table of Contents (CHI 2022 Extended Abstracts)

alt.chi

ALT01: Anti-Racist HCI: Notes Toward a Critical Technical Practice

Veronica Abebe (*Princeton University*)
Gagik Amaryan (*Princeton University*)
Marina Beshai (*Princeton University*)
Ilene E (*Princeton University*)
Ekin Gurgun (*Princeton University*)
Wendy Ho (*Princeton University*)
Naaji R. Hylton (*Princeton University*)
Daniel Kim (*Princeton University*)
Christy Lee (*Princeton University*)
Carina Lewandowski (*Princeton University*)
Katherine Miller (*Trinity College Dublin*)
Lindsey Moore (*Princeton University*)
Rachel Sylwester (*Princeton University*)
Ethan Thai (*Princeton University*)
Frelicia N. Tucker (*Princeton University*)
Toussaint Webb (*Princeton University*)
Charles Zhao (*Princeton University*)
Dorothy Zhao (*Princeton University*)
Janet Vertesi (*Princeton University*)

ALT02: Towards Fair and Pro-Social Employment of Digital Pieceworkers for Sourcing Machine Learning Training Data

Annabel Rothschild (*Georgia Institute of Technology*)
Justin Booker (*DataWorks*)
Christa Davoll (*DataWorks*)
Jessica Hill (*DataWorks*)
Venise Ivey (*DataWorks*)
Carl DiSalvo (*Georgia Institute of Technology*)
Ben Shapiro (*Georgia State University*)
Betsy DiSalvo (*Georgia Institute of Technology*)

ALT03: Who Owns the Future of Work?

Alex Ahmed (*Carnegie Mellon University*)

ALT04: Art is Not Research. Research is not Art.

Kathryn Blair (*University of Calgary*)
Miriam Sturdee (*Lancaster University*)
Lindsay MacDonald Vermeulen (*Independent Artist*)
Lora Oehlberg (*University of Calgary*)

ALT05: The Future of Work is No Work: A Call to Action for Designers in the Abolition of Work

Jacob Browne (*ABOLISH WORK*)
Laurel Green (*ABOLISH WORK*)

ALT06: When Virtuality Surpasses Reality: Possible Futures of Ubiquitous XR

Ross Johnstone (*University of Glasgow*)
Neil McDonnell (*University of Glasgow*)
Julie Williamson (*University of Glasgow*)

ALT07: Exploring AltNarrative in HCI Imagery and Comics

Makayla Lewis (*Kingston University London*)
Miriam Sturdee (*Lancaster University*)
John Miers (*Kingston University*)

Josh Urban Davis (*Dartmouth College*)
Thuong Hoang (*Deakin University*)

ALT08: From Sensable to Sensible Spaces: Enhancing the Sensibility of a Home Office using Stress-Aware Deep Reinforcement Learning in Virtual Environments

Emanuel Gollob (*UFG Linz*)
Maria Kyrou (*Information Technologies Institute (ITI)*)
Panagiotis Petrantonakis (*Information Technologies Institute (ITI)*)
Ioannis Kompatsiaris (*Information Technologies Institute (ITI)*)

ALT09: Calmbots: Exploring Possibilities of Multiple Insects with On-hand Devices and Flexible Controls as Creation Interfaces

Yuga Tsukuda (*University of Tsukuba*)
Daichi Tagami (*University of Tsukuba*)
Masaaki Sadasue (*University of Tsukuba*)
Shieru Suzuki (*University of Tsukuba*)
Jun-Li Lu (*University of Tsukuba*)
Yoichi Ochiai (*University of Tsukuba*)

ALT10: Metaphorical Visualization: Mapping Data to Familiar Concepts

Gleb Tkachev (*University of Stuttgart*)
Rene Cutura (*University of Stuttgart*)
Michael Sedlmair (*University of Stuttgart*)
Steffen Frey (*University of Groningen*)
Thomas Ertl (*University of Stuttgart*)

ALT11: More than a bit of coding: (un-)Grounded (non-)Theory in HCI

Tom Cole (*Goldsmiths, University of London*)
Marco Gillies (*Goldsmiths, University of London*)

ALT12: Share Your Values! Community-Driven Embedding of Ethics in Research

Nicolas Gold (*University College London*)
Raul Masu (*NOVA U. of Lisbon, ITI/LARSyS*)
Cecile Chevalier (*University of Sussex*)
Fabio Morreale (*University of Auckland*)

ALT13: A Speculative Ethics for Designing with Bodily Fluids

Karey Helms (*KTH Royal Institute of Technology*)

ALT14: FaceSavr: Designing Technologies with Allistic Adults to Battle Emotion Echolalia

Kay Kender (*TU Wien*)
Katta Spiel (*TU Wien*)

ALT15: Design Futuring for Love, Friendship, and Kinships: Five Perspectives on Intimacy

Sumita Sharma (*University of Oulu*)
Britta Schulte (*Bauhaus-Universität Weimar*)
Rocío Fatás (*Unitedworld Institute of Design, Karnavati University*)
Noura Howell (*Georgia Institute of Technology*)
Amy Twigger Holroyd (*Nottingham Trent University*)
Grace Eden (*Indraprastha Institute of Information Technology, Delhi (IIITD)*)

Case Studies

CS01: Interacting By Drawing: Introducing Machine Learning Ideas to Children at a K-9 Science Fair

Tapani Toivonen (*Uef*)
Ilkka Jormanainen (*University of Eastern Finland*)

Matti Tedre (*University of Eastern Finland*)
Radu Marinescu-Istodor (*Karelia University of Applied Sciences*)
Teemu Valtonen (*University of Eastern Finland*)
Henriikka Vartiainen (*University of Eastern Finland*)
Juho Kahila (*University of Eastern Finland*)

CS02: Virtual Painkillers: Designing Accessible Virtual Reality Experiences for Helping Cancer Patients Manage Pain at Home

Maria Matsangidou (*CYENS Centre of Excellence*)
Angelos Kassianos (*University of Cyprus*)
Dimitrios Papaioannou (*University of Cyprus*)
Theodoros Solomou (*CYENS*)
MARIA KRINI (*PAGKYPRIOS SYNDESMOS KARKINOPATHON KAI FILON 1986*)
Maria Karekla (*University of Cyprus*)
Prof. Constantinos S. Pattichis (*University of Cyprus*)

CS03: Enhancing Students' Social and Emotional Learning in Educational Virtual Heritage through Projective Augmented Reality

Marie-Monique Schaper (*Universitat Pompeu Fabra, Barcelona, University Aarhus*)
Narcis Pares (*Universitat Pompeu Fabra*)

CS04: A Case Study on the Rapid Development of Natural and Synergistic Multimodal Interfaces for XR Use-Cases

Chris Zimmerer (*University of Würzburg, Department of Computer Science, HCI Group, University of Würzburg, Department of Computer Science, HCI Group*)
Martin Fischbach (*University of Würzburg, University of Würzburg*)
Marc Erich Latoschik (*Department of Computer Science, HCI Group, Department of Computer Science, HCI Group*)

CS05: Augmented Reality Smart Glasses in Focus: A User Group Report

Alexi Orchard (*University of Waterloo*)
Marcel O'Gorman (*University of Waterloo*)
Chelsea La Vecchia (*University of Waterloo*)
Jason Lajoie (*University of Waterloo*)

CS06: The BLUE Framework: Designing User-Centered In-Product Feedback for Large Scale Applications

Serena Hillman (*Microsoft*)
Samira Jain (*Microsoft*)
Vichita Jienjittlert (*Microsoft*)
Paula Bach (*Microsoft*)

CS07: Numeric Forced Rank: A Lightweight Method for Comparison and Decision-making

Erin Gannon (*Google*)
Barbara Chaparro (*Embry-Riddle Aeronautical University*)

CS08: Uplifting Interviews in Social Science Research with Individual Data Visualization: the case of Music Listening Practices

Robin Cura (*CNRS*)
Amélie Beaumont (*Université Paris 1 Panthéon-Sorbonne*)
Jean-Samuel Beuscart (*Orange Labs*)
Samuel Coavoux (*Orange Labs*)
Noé Latreille de Fozières (*CNRS*)
Brenda Le Bigot (*Université de Poitiers*)
Yann Renisio (*CNRS*)
Manuel Moussallam (*Deezer*)
Thomas Louail (*CNRS*)

CS09: A B2C Bias for the B2B World: A Case Study of Employees' and Customers' UX of a B2B e-commerce Site

Vassilis-Javed Khan (*Sappi Europe*)
Kouris Kalligas (*Sappi Europe*)
Damianos Dumi Sigalas (*University of Patras*)

Christos Sintoris (*University of Patras*)

CS10: The LilyTiny: A Case Study in Expanding Access to Electronic Textiles

Emily Lovell (*University of California at Santa Cruz*)

Leah Buechley (*University of New Mexico*)

James Davis (*University of California at Santa Cruz*)

CS11: Designing And Embedding A Tangible Public Interface In The Covid Era

Anna Carter (*Swansea University*)

Gavin Bailey (*Swansea University*)

Jennifer Pearson (*Swansea University*)

Matt Jones (*Swansea University*)

Simon Robinson (*Swansea University*)

Dani Kalarikalayil Raju (*Studio Hasi*)

Spencer Winter (*Swansea University*)

Jonathan Hicks (*Swansea Council*)

CS12: Understanding How Group Workers Reflect on Organizational Stress with a Shared, Anonymous Heart Rate Variability Data Visualization

Mengru Xue (*Eindhoven University of Technology, Zhejiang University, Ningbo*)

Rong-Hao Liang (*Eindhoven University of Technology*)

Jun Hu (*Eindhoven University of Technology*)

Bin Yu (*Philips*)

Loe Feijs (*Eindhoven University of Technology*)

CS13: A Case Study on Improving Accessibility of Healthcare Care Facility in Low-resource Settings

vikas upadhyay (*IIT Delhi, IIT Delhi*)

Tigmanshu Bhatnagar (*University College London, University College London*)

Catherine Holloway (*University College London, University College London*)

Meenakshi Balakrishnan (*Indian Institute of Technology Delhi, Indian Institute of Technology Delhi*)

CS14: Prototyping Exoskeleton Interaction for Game-based Rehabilitation

Barnabás Homola (*Technical University of Denmark*)

Isabella Sheldon (*Technical University of Denmark*)

Stela Ago (*Technical University of Denmark*)

Milton Mariani (*Technical University of Denmark*)

John Paulin Hansen (*Technical University of Denmark*)

CS15: Lessons Learned Building Low-Cost DIY Tactile Graphics and Conducting a Tactile Drawing Club in Colombia During COVID-19

Maria Fernanda Zuniga-Zabala (*BTactile.com*)

John Alexis Guerra-Gomez (*Northeastern University*)

CS16: eParticipation for Supporting Societal Participation Self-efficacy and Lowering the Thresholds of Societal Participation: Case Virtual Council

Iikka Pietilä (*Tampere University*)

Miia Lähde (*Tampere University*)

Jari Varsaluoma (*Tampere University*)

Kaisa Väänänen (*Tampere University*)

CS17: Informing Housing Policy through Web Automation: Lessons for Designing Programming Tools for Domain Experts

Chris Hess (*Cornell University*)

Sarah Chasins (*University of California, Berkeley*)

CS18: Playing games through interactive data comics to explore water quality in a lake

Md Tanvir Hasan (*Lappeenranta Lahti university of technology*)

Annika Wolff (*LUT University*)

Antti Knutas (*LUT University*)

Anne Pässilä (*LUT university*)

Lasse Kantola (*Diconis College of Finland*)

CS19: "It was hard to find the words": Using an Autoethnographic Diary Study to Understand the Difficulties of Smart Home Cyber Security Practices

Sarah Turner (*University of Kent*)

Jason Nurse (*University of Kent*)

Shujun Li (*University of Kent*)

CS20: PromptMaker: Prompt-based Prototyping with Large Language Models

Ellen Jiang (*Google*)

Kristen Olson (*Google*)

Edwin Toh (*Google*)

Alejandra Molina (*Google*)

Aaron Donsbach (*Google*)

Michael Terry (*Google*)

Carrie Cai (*Google*)

CS21: How Do Users Interact with AI Features in the Workplace? Understanding the AI Feature User Journey in Enterprise

Sarah Hanses (*Microsoft*)

Jennifer Wang (*Microsoft*)

CS22: A Case Study of Integrating Fairness Visualization Tools in Machine Learning Education

Afra Mashhadi (*University of Washington*)

Annuska Zolyomi (*University of Washington*)

Jay Quedado (*UW*)

CS23: Too Late to be Creative? AI-Empowered Tools in Creative Processes

Angel Hsing-Chi Hwang (*Cornell University*)

CS24: Instagram Data Donation: A Case Study on Collecting Ecologically Valid Social Media Data for the Purpose of Adolescent Online Risk Detection

Afsaneh Razi (*University of Central Florida*)

Ashwaq Alsoubai (*University of Central Florida*)

Seunghyun Kim (*Georgia Institute of Technology*)

Nurun Naher (*University of Central Florida*)

Shiza Ali (*Boston University*)

Gianluca Stringhini (*Boston University*)

Munmun De Choudhury (*Georgia Institute of Technology*)

Pamela Wisniewski (*University of Central Florida*)

CS25: A Case Study on User Experience Bootcamps with Teens to Co-Design Real-Time Online Safety Interventions

Zainab Agha (*University of Central Florida*)

Zinan Zhang (*Ohio State University*)

Oluwatomisin Obajemu (*University of Central Florida*)

Luke Shirley (*University of Central Florida*)

Pamela Wisniewski (*University of Central Florida*)

CS26: Aiding Intimate Violence Survivors in Lockdown: Lessons about Digital Security in the Covid-19 Pandemic

Julia Slupska (*University of Oxford, University of Oxford*)

Megan Lindsay Brown (*Arizona State University*)

CS27: RHETORiC: an Audience Conversation Tool that Restores Civility in News Comment Sections

Emilie Bossens (*KU Leuven, Institute for Media Studies*)

David Geerts (*KU Leuven Digital Society Institute*)

Elias Storms (*University of Antwerp*)

Michiel Nuytemans (*Tree Company*)

Jan Boesman (*Institute for Media Studies, Tree Company*)

CS28: Machine In The Middle

Rod Dickinson (*University of the West England*)

Nathan Semertzidis (*Monash University*)

Florian Mueller (*Monash University*)

CS29: Marching with the Pink Parade: Evaluating Visual Search Recommendations for Non-binary Clothing Items

Siddharth Jaiswal (*Indian Institute of Technology, Indian Institute of Technology*)

Animesh Mukherjee (*Indian Institute of Technology Kharagpur, Indian Institute of Technology Kharagpur*)

CS30: IT-Supported Request Management for Clinical Radiology: Contextual Design and Remote Prototype Testing

Philipp Krop (*University of Würzburg, Department of Computer Science, HCI Group*)

Samantha Straka (*University of Würzburg, Department of Computer Science, HCI Group*)

Melanie Ullrich (*University Hospital of Würzburg*)

Maximilian Ertl (*University Hospital of Würzburg*)

Marc Erich Latoschik (*Department of Computer Science, HCI Group*)

CS31: Two-handed Design: Development of Food Personality Framework Using Mixed Method Needfinding

Summer Jung (*Stanford University*)

Chandrayee Basu (*Stanford University*)

Donghyeon Park (*Korea University*)

Julie Fukunaga (*Stanford University*)

Maycon Cesar Santos (*Tufts University*)

Sohyeong Kim (*Stanford University*)

CS32: Photography Community Codesign (a.k.a. Codesign in a Global Pandemic)

Jenna Frens (*Adobe*)

Lindsey Rasie (*Adobe*)

Victoria Hollis (*Adobe*)

Doctoral Consortium

DC01: Quality, Presence, Empathy, Attitude, and Attention in 360-degree Videos for Immersive Communications

Marta Orduna (*Universidad Politécnica de Madrid (UPM)*)

DC02: Improving Online Accessibility for Individuals with Photosensitive Epilepsy

Laura South (*Northeastern University*)

DC03: Leveraging Transformative Justice in Organizing Collective Action Towards Community Safety

Ishita Chordia (*University of Washington*)

DC04: Access to Music for People with Dementia

Rik Wesselink (*University of Twente, Windesheim University of Applied Sciences*)

DC05: Asynchronous Collaboration Systems for Evolving Information

Shaun Wallace (*Brown University*)

DC06: Understanding and Designing for Accessibility in Audio Production among People with Vision Impairments

Abir Saha (*Northwestern University*)

DC07: Design Choices for Embodied Conversational Agents to Preserve Testimonies by Contemporary Witnesses

Daniel Kolb (*Leibniz Supercomputing Centre*)

DC08: Augmenting the Human Perception of Comfort through Interactive AI

Sailin Zhong (*Human-IST*)

- DC09: Social Control Interaction Framework: Design to Technically Support a Group of Users in Making Control Decisions Together**
Melanie Berger (*Eindhoven University of Technology, ruwido austria gmbh*)
- DC10: Improving the Discoverability of Interactions in Interactive Systems**
Eva Mackamul (*Inria, University of Lille*)
- DC11: Meta-interactivity and Playful Approaches for Musical Composition**
Mário Escarce Junior (*Lancaster University*)
- DC12: Cost-effective and Collaborative Methods to Author Video's Scene Description for Blind People**
Rosiana Natalie (*Singapore Management University*)
- DC13: Developing Intentional Relationships with Technologies: Exploring Players' Tension between Play and Non-play and Designing Built-in Interventions to Contribute to Digital Well-Being**
Zicheng Zhu (*National University of Singapore*)
- DC14: Supporting Shy & Neurodivergent Children in Social Play**
Flannery Currin (*The University of Iowa*)
- DC15: Towards Equitable Futures in Frontline Health: Design of Intelligent Systems for Supporting (Gendered) Care Work in Resource-Constrained Settings**
Azra Ismail (*Georgia Institute of Technology*)
- DC16: Programmable Peripheral Vision: Augment/ Reshape Human Visual Perception**
Qing Zhang (*Keio University, Keio University*)
- DC17: The Role of Audio in the Diegesis of Virtual Reality Games**
Isak Bosman (*University of Pretoria, Tampere University*)
- DC18: Improving Teleoperation Interfaces to Support Therapists in Robot-Assisted Therapy**
Saad Elbeleidy (*Colorado School of Mines*)
- DC19: A Human-Centric Perspective on Fairness and Transparency in Algorithmic Decision-Making**
Jakob Schoeffer (*Karlsruhe Institute of Technology (KIT)*)
- DC20: The Changing Landscape of Care Work in Health in the Global South**
Naveena Karusala (*University of Washington*)
- DC21: The Role of Intelligent Personal Assistants in Migrant Learners' Willingness to Communicate in English as a Second Language**
Wendy Galvan Romero (*The Open University*)
- DC22: Increasing the Acceptance of Industrial Robots by Adapting Movement Behavior to Individual User Differences**
Damian Hostettler (*University of St. Gallen*)
- DC23: Hanging on a Wire: Understanding the Impacts of Climate Change on Networked Infrastructures in South Louisiana**
Jen Liu (*Cornell University*)

Workshops & Symposia

- W01: Challenges, Tensions, and Opportunities in Designing Ecosystems to Support the Management of Complex Health Needs**
Tom Ongwere (*University of Dayton*)

Andrew Berry (*Northwestern University*)
Clara Caldeira (*Indiana University*)
Rosa Arriaga (*Georgia Institute of Technology*)
Amid Ayobi (*University of Bristol*)
Eleanor Burgess (*Northwestern University*)
Kay Connelly (*Indiana University*)
Patricia Franklin (*Northwestern University*)
Andrew Miller (*IUPUI (Indiana University Purdue University Indianapolis)*)
Aehong Min (*Indiana University Bloomington*)
Nervo Verdezoto (*Cardiff University*)

W02: Researcher Wellbeing and Best Practices in Emotionally Demanding Research

Jessica Feuston (*University of Colorado Boulder*)
Arpita Bhattacharya (*University of California, Irvine*)
Nazanin Andalibi (*University of Michigan*)
Elizabeth Ankrah (*University of California, Irvine*)
Sheena Erete (*DePaul University*)
Mark Handel (*Facebook*)
Wendy Moncur (*University of Strathclyde*)
Sarah Vieweg (*Twitter*)
Jed Brubaker (*University of Colorado Boulder*)

W03: Engaging with Automation: Understanding and Designing for Operation, Appropriation, and Behaviour Change

Matthias Baldauf (*Eastern Switzerland University of Applied Sciences*)
Peter Fröhlich (*AIT Austrian Institute of Technology*)
Virpi Roto (*Aalto University*)
Philippe Palanque (*University Paul Sabatier - Toulouse III*)
Siân Lindley (*Microsoft Research*)
Jon Rogers (*University of Northumbria*)
Wendy Ju (*Cornell Tech*)
Manfred Tscheligi (*University of Salzburg & AIT*)

W04: Computational Approaches for Understanding, Generating, and Adapting User Interfaces

Yue Jiang (*Max Planck Institute for Informatics*)
Yuwen Lu (*University of Notre Dame*)
Jeffrey Nichols (*Apple*)
Wolfgang Stuerzlinger (*Simon Fraser University*)
Chun Yu (*Tsinghua University*)
Christof Lutteroth (*University of Bath*)
Yang Li (*Google Research*)
Ranjitha Kumar (*University of Illinois at Urbana-Champaign*)

W05: Empathy-Centric Design At Scale

Andrea Mauri (*Delft University of Technology, Amsterdam Institute for Advanced Metropolitan Solutions*)
Yen-Chia Hsu (*Technische Universiteit Delft*)
Marco Brambilla (*Politecnico di Milano*)
Ting-Hao Huang (*Pennsylvania State University*)
Aisling Ann O’Kane (*University of Bristol*)
Himanshu Verma (*Delft University of Technology*)

W06: Grand Challenges for Personal Informatics and AI

Lena Mamykina (*Columbia University*)
Daniel Epstein (*University of California, Irvine*)
Predrag Klasnja (*University of Michigan*)
Donna Sprujt-Metz (*University of Southern California*)
Jochen Meyer (*OFFIS - Institute for Information Technology*)
Mary Czerwinski (*Microsoft Research*)
Tim Althoff (*University of Washington*)
Eun Kyoung Choe (*University of Maryland*)
Munmun De Choudhury (*Georgia Institute of Technology*)

Brian Lim (*National University of Singapore*)

W07: SpaceCHI 2.0: Advancing Human-Computer Interaction Systems for Space Exploration

Pat Pataranutaporn (*MIT*)
Valentina Sumini (*Politecnico di Milano*)
Melodie Yashar (*SJSURF at NASA Ames*)
Susanna Testa (*Politecnico di Milano*)
Marianna Obrist (*University College London*)
Scott Davidoff (*California Institute of Technology*)
Amber M. Paul (*Space Biosciences Research Branch, NASA Space Biology*)
Dorit Donoviel (*Translational Research Institute for Space Health*)
Jimmy Wu (*Translational Research Institute for Space Health*)
Sands Fish (*MIT*)
Ariel Ekblaw (*MIT*)
Albrecht Schmidt (*LMU Munich*)
Joe Paradiso (*MIT Media Lab*)
Pattie Maes (*MIT Media Lab*)

W08: Splash! Identifying the Grand Challenges for WaterHCI

Christal Clashing (*Monash University*)
Maria Montoya Vega (*Monash University*)
Ian Smith (*University of New Brunswick*)
Joe Marshall (*University of Nottingham*)
Leif Oppermann (*Fraunhofer FIT*)
Paul Dietz (*The University of Toronto*)
Mark Blythe (*Northumbria University*)
Scott Bateman (*University of New Brunswick*)
Sarah Jane Pell (*Monash University*)
Swamy Ananthanarayan (*Monash University*)
Florian Mueller (*Monash University*)

W09: Sustainable Haptic Design: Enabling Hapticians to Collaborate and Share their Work

Oliver Schneider (*University of Waterloo*)
Bruno Fruchard (*Univ. Lille, Inria, CNRS, Centrale Lille*)
Dennis Wittchen (*University of Applied Sciences*)
Bibhushan Raj Joshi (*waterloo university*)
Georg Freitag (*University of Applied Sciences Dresden*)
Donald Degraen (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarland University, Saarland Informatics Campus*)
Paul Strohmeier (*Saarland Informatics Campus*)

W10: Ethics of Conversational User Interfaces

Minha Lee (*Eindhoven University of Technology*)
Jaisie Sin (*University of Toronto*)
Guy Laban (*University of Glasgow*)
Matthias Kraus (*Institute of Communications Engineering, Ulm University*)
Leigh Clark (*Swansea University*)
Martin Porcheron (*Swansea University*)
Benjamin Cowan (*University College Dublin*)
Asbjørn Følstad (*SINTEF*)
Cosmin Munteanu (*University of Toronto Mississauga*)
Heloise Candello (*IBM Research*)

W11: Actuated Materials and Soft Robotics Strategies for Human Computer Interaction Design

Anke Brocker (*RWTH Aachen University*)
Jose Barreiros (*Cornell University*)
Ali Shtarbanov (*MIT*)
Kristian Gohlke (*Bauhaus-Universität Weimar*)
Ozgun Kilic Afsar (*KTH Royal Institute of Technology, MIT*)

Sören Schröder (*RWTH Aachen University*)

W12: Crossing Data: Building Bridges with Activist and Academic Practices from and for Latin America

Adriana Alvarado Garcia (*Georgia Institute of Technology*)
Ivana Feldfeber (*Observatorio de Datos con Perspectiva de Género*)
Milagros Miceli (*Technische Universität Berlin*)
Saide Mobayed (*University of Cambridge*)
Helena Suárez Val (*Feminicidio Uruguay, University of Warwick*)

W13: VR [we are] Training – Workshop on Collaborative Virtual Training for Challenging Contexts

Georg Regal (*AIT Austrian Institute of Technology GmbH*)
Helmut Schrom-Feiertag (*AIT Austrian Institute of Technology*)
Quynh Nguyen (*AIT Austrian Institute of Technology, University of Salzburg*)
Marco Aust (*Feuerwehr Dortmund*)
Markus Murtinger (*USECON GmbH, AIT Austrian Institute of Technology*)
Dorothe Smit (*University of Salzburg*)
Manfred Tscheligi (*University of Salzburg & AIT, University of Salzburg & AIT*)
Mark Billingham (*University of South Australia*)

W14: Intelligent Music Interfaces: When Interactive Assistance and Augmentation Meet Musical Instruments

Karola Marky (*University of Glasgow*)
Annika Kilian (*LMU Munich*)
Andreas Weiß (*Music School Schallkultur*)
Jakob Karolus (*LMU Munich*)
Matthias Hoppe (*LMU Munich*)
Paweł W. Woźniak (*Chalmers University of Technology*)
Max Mühlhäuser (*TU Darmstadt*)
Thomas Kosch (*TU Darmstadt*)

W15: Emerging Telepresence Technologies in Hybrid Learning Environments

Houda Elmimouni (*Indiana University*)
John Paulin Hansen (*Technical University of Denmark*)
Susan Herring (*Indiana University*)
James Marcin (*University of California, Davis*)
Marta Orduna (*Universidad Politécnica de Madrid (UPM)*)
Pablo Perez (*Bell Labs*)
Irene Rae (*Google*)
Janet Read (*ChiCI Lab, University of Central Lancashire*)
Jennifer Rode (*University College London*)
Selma Sabanovic (*Indiana University*)
Verónica Ahumada (*University of California, Davis*)

W16: Asian CHI Symposium: Decolonizing Technology Design in Asia

Masitah Ghazali (*Universiti Teknologi Malaysia*)
Eunice Sari (*UX Indonesia*)
Josh (Adi) Tedjasaputra (*Customer Experience Insight Pty Ltd, UX Indonesia*)

W17: Investigating Data Work Across Domains: New Perspectives on the Work of Creating Data

Kathleen Pine (*Arizona State university*)
Claus Bossen (*Aarhus University*)
Naja Holten Møller (*University of Copenhagen*)
Milagros Miceli (*Technische Universität Berlin*)
Alex Jiahong Lu (*University of Michigan*)
Yunan Chen (*University of California Irvine*)
Leah Horgan (*University of California*)
Zhaoyuan Su (*University of California Irvine*)
Gina Neff (*University of Cambridge*)
Melissa Mazmanian (*University of California, Irvine*)

W18: Reimagining Global Crowdsourcing for Better Human-AI Collaboration

Andy Alorwu (*University of Oulu*)
Saiph Savage (*Northeastern University*)
Niels van Berkel (*Aalborg University*)
Dmitry Ustalov (*Yandex*)
Alexey Drutsa (*Yandex*)
Jonas Oppenlaender (*Karlsruhe Institute of Technology*)
Oliver Bates (*Lancaster University*)
Danula Hettiachchi (*RMIT University*)
Ujwal Gadiraju (*Delft University of Technology*)
Jorge Goncalves (*University of Melbourne*)
Simo Hosio (*University of Oulu*)

W19: Making Access: Increasing Inclusiveness in Making

Verena Fuchsberger (*University of Salzburg*)
Dorothe Smit (*University of Salzburg*)
Nathalia Campreguer França (*University of Salzburg*)
Georg Regal (*AIT Austrian Institute of Technology GmbH*)
Stefanie Wuschitz (*Mz* Baltazar's Lab*)
Barbara Huber (*Mz* Baltazar's Lab*)
Joanna Kowolik (*HappyLab*)
Laura Devendorf (*University of Colorado Boulder*)
Elisa Giaccardi (*Delft University of Technology*)
Ambra Trotto (*RISE*)

W20: Feminist Voices about Ecological Issues in HCI

Marie Louise Søndergaard (*Institute of Design*)
Gopinaath Kannabiran (*IT Univerity of Copenhagen*)
Simran Chopra (*Northumbria University*)
Nadia Campo Woytuk (*KTH Royal Institute of Technology*)
Dilrukshi Gamage (*Tokyo Institute of Technology*)
Ebtisam Alabdulqader (*King Saud University*)
Heather McKinnon (*Queensland University of Technology*)
Heike Winschiers-Theophilus (*Namibia University of Sceince and Technology*)
Shaowen Bardzell (*The Pennsylvania State University*)

W21: Immersive Analytics 2.0: Spatial and Embodied Sensemaking

Barrett Ens (*Monash University*)
Maxime Cordeil (*University of Queensland, Monash University*)
Chris North (*Virginia Tech*)
Tim Dwyer (*Monash University*)
Lonni Besançon (*Monash University*)
Arnaud Prouzeau (*Inria*)
Jiazhou Liu (*Monash University*)
Andrew Cunningham (*University of South Australia*)
Adam Drogemuller (*University of South Australia*)
Kadek Ananta Satriadi (*Monash University*)
Bruce Thomas (*University of South Australia*)

W22: Sketching Across the Senses: Exploring Sensory Translation as a Generative Practice for Designing Data Representations

Jordan Wirfs-Brock (*University of Colorado Boulder*)
Maxene Graze (*Independent Researcher, MURAL*)
Laura Devendorf (*University of Colorado Boulder*)
Audrey Desjardins (*University of Washington*)
Visda Goudarzi (*Columbia College Chicago*)
Mikhaila Friske (*University of Colorado Boulder*)
Brian Keegan (*University of Colorado Boulder*)

W23: The Future of Emotion in Human-Computer Interaction

Greg Wadley (*The University of Melbourne*)
Vassilis Kostakos (*University of Melbourne*)
Peter Koval (*The University of Melbourne*)
Wally Smith (*The University of Melbourne*)
Sarah Webber (*University of Melbourne*)
Anna Cox (*University College London*)
James J. Gross (*Stanford University*)
Kristina Höök (*KTH Royal Institute of Technology*)
Regan Mandryk (*University of Saskatchewan*)
Petr Slovak (*King's College London*)

W24: Reimagining Systems for Learning Hands-on Creative and Maker Skills

Dishita Turakhia (*MIT CSAIL*)
Paulo Blikstein (*Stanford university*)
Nathan Holbert (*Teachers College, Columbia University*)
Marcelo Worsley (*Northwestern University*)
Jennifer Jacobs (*University of California Santa Barbara*)
Fraser Anderson (*Autodesk Research*)
Jun Gong (*Apple Inc.*)
Kayla DesPortes (*New York University*)
Stefanie Mueller (*MIT CSAIL*)

W25: InContext: Futuring User-Experience Design Tools

Anna Carter (*Swansea University*)
Miriam Sturdee (*Lancaster University*)
Alan Dix (*Swansea University*)
Dani Kalarikalayil Raju (*Studio Hasi*)
Martha Aldridge (*Kainos*)
Eunice Sari (*UX Indonesia*)
Wendy Mackay (*Université Paris-Saclay*)
Elizabeth Churchill (*Google LLC*)

W26: Integrating Religion, Faith, and Spirituality in HCI

Mohammad Rashidujjaman Rifat (*University of Toronto, University of Toronto*)
Firaz Peer (*University of Kentucky*)
Hawra Rabaan (*Indiana University-Purdue University Indianapolis, IUPUI*)
Nusrat Jahan Mim (*Harvard University*)
Maryam Mustafa (*Lahore University of Management Sciences*)
Kentaro Toyama (*University of Michigan*)
Robert Markum (*University of Michigan School of Information*)
Elizabeth Buie (*Sigma Consulting Solutions Ltd*)
Jessica Hammer (*Carnegie Mellon University*)
Sharifa Sultana (*Cornell University*)
Samar Sabie (*Cornell Tech*)
Syed Ishtiaque Ahmed (*University of Toronto*)

W27: “There is no justice, just us”: Making mosaics of justice in social justice Human-Computer Interaction

Rosanna Bellini (*Cornell Tech*)
Debora Leal (*University of Siegen*)
Hazel Dixon (*Newcastle University*)
Sarah Fox (*Carnegie Mellon University*)
Angelika Strohmayer (*Northumbria University*)

W28: Body as Starting Point 5: Exploring the Inbodied Interaction Design Framework - New Methodologies in Interactive Health Design

Josh Andres (*The Australian National University*)
Richard Gomer (*University of Southampton*)
Michael Jones (*Brigham Young U.*)
m.c. schraefel (*University of Southampton*)

W29: Interrogating Human-centered Data Science: Taking Stock of Opportunities and Limitations

Anissa Tanweer (*University of Washington*)
Cecilia Aragon (*University of Washington*)
Michael Muller (*IBM Research*)
Shion Guha (*University of Toronto*)
Samir Passi (*Aether*)
Gina Neff (*University of Cambridge, University of Oxford*)
Marina Kogan (*University of Utah*)

W30: Tangible Interaction for Supporting Well-being

Caroline Claisse (*Newcastle University*)
Muhammad Umair (*Newcastle University*)
Abigail Durrant (*Newcastle University*)
Charles Windlin (*KTH Royal Institute of Technology*)
Pavel Karpashevich (*KTH Royal Institute of Technology*)
Kristina Höök (*KTH Royal Institute of Technology*)
Vasiliki Tsaknaki (*IT University of Copenhagen*)
Pedro Sanches (*Umeå University*)
Corina Sas (*Lancaster University*)

W31: SEACHI 2022 Symposium: SEACHI 2022 Symposium Bringing Equality, Justice, and Access to HCI and UX Agenda in Southeast Asia Region

Eunice Sari (*UX Indonesia*)
Masitah Ghazali (*Universiti Teknologi Malaysia*)
Adi B. Tedjasaputra (*Customer Experience Insight Pty Ltd*)
Yohannes Kurniawan (*Bina Nusantara University*)
Thippaya Chintakovid (*Chulalongkorn University*)
Siranee Nuchitprasitchai (*King Mongkut's University of Technology North Bangkok*)
Ellya Zulaikha (*Institut Teknologi Sepuluh Nopember*)
Noris Binti Mohd Norowi (*Universiti Putra Malaysia*)
Tamas Makany (*Singapore Management University*)

W32: Towards a Material Ethics of Computing: Addressing the Uneven Environmental Stakes of Digital Infrastructures

Jen Liu (*Cornell University*)
Cindy Lin (*Cornell University*)
Anne Pasek (*Trent University*)
Robert Soden (*University of Toronto*)
Lace Padilla (*UC Merced*)
Daniela Rosner (*University of Washington*)
Steven Jackson (*Cornell University*)

W33: Outsourcing Artificial Intelligence: Responding to the Reassertion of the Human Element into Automation

Mathew Iantorno (*University of Toronto*)
Olivia Doggett (*University of Toronto*)
Priyank Chandra (*University of Toronto*)
Julie Yujie Chen (*University of Toronto Mississauga*)
Rosemary Steup (*Indiana University*)
Noopur Raval (*New York University*)
Vera Khovanskaya (*University of California, San Diego*)
Laura Lam (*University of Toronto*)
Anubha Singh (*University of Michigan*)
Sarah Rotz (*York University*)
Matt Ratto (*University of Toronto*)

W34: The State of the (CHI)Art

Miriam Sturdee (*Lancaster University*)
Makayla Lewis (*Kingston University London*)
Mafalda Gamboa (*Gothenburg University*)
Thuong Hoang (*Deakin University*)
John Miers (*Kingston University*)

Ilja Šmorgun (*Tallinn University*)
Pranjal Jain (*Swansea University*)
Angelika Strohmayer (*Northumbria University*)
Sarah Fdili Alaoui (*Université Paris Saclay*)
Christina Wodtke (*Stanford University*)

W35: Unmaking@CHI: Concretizing the Material and Epistemological Practices of Unmaking in HCI

Samar Sabie (*Cornell Tech*)
Katherine Song (*UC Berkeley*)
Tapan Parikh (*Cornell Tech*)
Steven Jackson (*Cornell University*)
Eric Paulos (*UC Berkeley*)
Kristina Lindstrom (*Malmö University*)
Åsa Ståhl (*Linnaeus University*)
Dina Sabie (*University of Toronto*)
Kristina Andersen (*TU/eindhoven*)
Ron Wakkary (*Simon Fraser University*)

W36: Social Presence in Virtual Event Spaces

Matthew Bietz (*UC Irvine*)
Nitesh Goyal (*Google*)
Nicole Immorlica (*Microsoft Research, Virtual Chair*)
Blair MacIntyre (*Georgia Institute of Technology*)
Andrés Monroy-Hernández (*Princeton University*)
Benjamin Pierce (*University of Pennsylvania, Midspace*)
Sean Rintel (*Microsoft Research*)
Donghee Yvette Wohn (*New Jersey Institute of Technology*)

W37: Designing Credibility Tools To Combat Mis/Disinformation: A Human-Centered Approach

Dilrukshi Gamage (*Tokyo Institute of Technology*)
James Stomber (*Credibility Coalition*)
Farnaz Jahanbakhsh (*Massachusetts Institute of Technology (MIT)*)
Bill Skeet (*Credibility Coalition*)

W38: Novel Challenges of Safety, Security and Privacy in Extended Reality

Jan Gugenheimer (*Institut Polytechnique de Paris*)
Wen-Jie Tseng (*Institut Polytechnique de Paris*)
Abraham Mhaidli (*University of Michigan*)
Jan Ole Rixen (*Institute of Media Informatics*)
Mark McGill (*University of Glasgow*)
Michael Nebeling (*University of Michigan*)
Mohamed Khamis (*University of Glasgow*)
Florian Schaub (*University of Michigan*)
Sanchari Das (*University of Denver*)

W39: Human-centered Explainable AI (HCXAI): Beyond Opening the Black-Box of AI

Upol Ehsan (*Georgia Institute of Technology*)
Philipp Wintersberger (*TU Wien*)
Q. Vera Liao (*Microsoft Research*)
Elizabeth Watkins (*Princeton University*)
Carina Manger (*Technische Hochschule Ingolstadt*)
Hal Daumé III (*University of Maryland*)
Andreas Riener (*Technische Hochschule Ingolstadt*)
Mark Riedl (*Georgia Tech*)

W40: GenAICHI: Generative AI and HCI

Michael Muller (*IBM Research*)
Lydia Chilton (*Columbia University*)
Anna Kantosalo (*Aalto University*)
Mary Lou Maher (*University of North Carolina at Charlotte*)

Charles Martin (*Australian National University*)
Greg Walsh (*University of Baltimore*)

W41: Toolkits & Wearables: Developing Toolkits for Exploring Wearable Designs

Çağlar Genç (*University of Lapland*)
Oğuz 'Oz' Buruk (*Tampere University*)
Shiva Jabari (*Tampere University*)
Lee Jones (*Carleton University*)
Kirill Ragozin (*Keio University*)
Kate Hartman (*OCAD University*)
Johanna Virkki (*Tampere University*)
Kai Kunze (*Keio University*)
Oskar Juhlin (*Stockholm University*)
Jonna Häkkinen (*University of Lapland*)

W42: Integration of Human Factors in Surgery: Interdisciplinary Collaboration in Design, Development, and Evaluation of Surgical Technologies

Roman Bednarik (*University of Eastern Finland*)
Ann Blandford (*University College London*)
Feng Feng (*University of Eastern Finland*)
ANTTI HUOTARINEN (*Kuopio University Hospital*)
MATTI ISO-MUSTAJÄRVI (*Kuopio University Hospital*)
Ahreum Lee (*University of Eastern Finland*)
Federico Nicolosi (*UpsurgOn s.r.l*)
Jeremy Opie (*University College London*)
Soojeong Yoo (*University College London*)
Bin Zheng (*University of Alberta*)

W43: Self-Determination Theory in HCI: Shaping a Research Agenda

Nick Ballou (*Queen Mary University of London*)
Sebastian Deterding (*University of York*)
April Tyack (*Aalto University*)
Elisa Mekler (*Aalto University*)
Rafael A Calvo (*Imperial College London*)
Dorian Peters (*Imperial College London, University of Cambridge*)
Gabriela Villalobos-Zúñiga (*University of Lausanne*)
Selen Türkay (*QUT*)

W44: Dreaming Disability Justice in HCI

Cella Sum (*Carnegie Mellon University*)
Rahaf Alharbi (*University of Michigan*)
Franchesca Spektor (*Carnegie Mellon University*)
Cynthia Bennett (*Carnegie Mellon University*)
Christina Harrington (*Carnegie Mellon University*)
Katta Spiel (*TU Wien*)
Rua Williams (*Purdue University*)

W45: HCI Across Borders: Navigating the shifting borders in CHI

Vikram Kamath Cannanure (*Carnegie Mellon University*)
Naveena Karusala (*University of Washington*)
Cuauhtémoc Rivera-Loaiza (*Universidad Michoacana*)
Annu Prabhakar (*University of Cincinnati*)
Rama Adithya Varanasi (*Cornell University*)
Anupriya Tuli (*IIT-Delhi*)
Dilrukshi Gamage (*Tokyo Institute of Technology*)
Faria Noor (*Bentley University*)
David Nemer (*University of Virginia*)
Dipto Das (*University of Colorado Boulder*)
Susan Dray (*Dray & Associate*)
Christian Sturm (*Hamm-Lippstadt University of Applied Sciences*)

Neha Kumar (*Georgia Tech*)

W46: Workshop on Trust and Reliance in AI-Human Teams (TRAIT)

Gagan Bansal (*University of Washington*)
Alison Smith-Renner (*Dataminr*)
Zana Bućinca (*Harvard University*)
Tongshuang Wu (*University of Washington*)
Kenneth Holstein (*Carnegie Mellon University*)
Jessica Hullman (*Northwestern University*)
Simone Stumpf (*University of Glasgow*)

W47: Triangulating Race, Capital, and Technology

Rachel Kuo (*University of North Carolina-Chapel Hill, Duke University*)
Yuchen Chen (*University of Michigan*)
Cindy Lin (*Cornell University*)
Seyram Avle (*University of Massachusetts, Amherst*)

W48: EduCHI 2022: 4th Annual Symposium on HCI Education

Craig MacDonald (*Pratt Institute*)
Olivier St-Cyr (*University of Toronto*)
Colin Gray (*Purdue University*)
Leigh Ellen Potter (*Griffith University*)
Carine Lallemand (*Eindhoven University of Technology, University of Luxembourg*)
Anna Vasilchenko (*Newcastle University*)
Jaisie Sin (*University of Toronto*)
Anna Carter (*Swansea University*)
Caroline Pitt (*University of Washington*)
Eunice Sari (*UX Indonesia*)
Deepak Padhi (*Indian Institute of Technology Bombay*)
Ajit Pillai (*The university of Sydney*)

W49: AI-Generated Characters: Putting Deepfakes to Good Use

Valdemar Danry (*MIT*)
Joanne Leong (*MIT*)
Pat Pataranutaporn (*MIT*)
Pulkit Tandon (*Stanford University*)
Yimeng Liu (*UCSB*)
Roy Shilkrot (*Stony Brook University*)
Parinya Punpongsanon (*Osaka University*)
Tsachy Weissman (*Stanford University*)
Pattie Maes (*MIT Media Lab*)
Misha Sra (*UCSB*)

W50: QTBIPOC PD: Exploring the Intersections of Race, Gender, and Sexual Orientation in Participatory Design

Naba Rizvi (*University of California, San Diego*)
Reggie Casanova-Perez (*University of Washington*)
Harshini Ramaswamy (*University of California, San Diego*)
Lisa Dirks (*University of Washington*)
Emily Bascom (*University of Washington*)
Nadir Weibel (*UC San Diego*)

Courses

C01: Cognitive Modelling: From GOMS to Deep Reinforcement Learning

Jussi Jokinen (*University of Jyväskylä*)
Antti Oulasvirta (*Aalto University*)
Andrew Howes (*University of Birmingham*)

C02: Transparent Practices for Quantitative Empirical Research

Chat Wacharamanotham (*University of Zurich*)
Fumeng Yang (*Brown University*)
Xiaoying Pu (*University of Michigan*)
Abhraneel Sarma (*Northwestern University*)
Lace Padilla (*UC Merced*)

C03: How to Write Better Research Papers (for CHI)

Lennart Nacke (*University of Waterloo, University of Waterloo*)

C04: End-User Creation and Control of Daily Automations in Intelligent Environments

Fabio Paternò (*CNR-ISTI*)

C05: Designing with the Mind in Mind: The Psychological Basis of User Interface Design Guidelines

Jeff Johnson (*University of San Francisco*)

C06: Respecting and Facilitating Children's Contributions to Research, Design and Evaluation in HCI

Janet Read (*ChiCI Lab, University of Central Lancashire*)
Matthew Horton (*University of Central Lancashire*)

C07: Complex Data Visualisation Made Easy with R and ggplot2

Sandy Gould (*Cardiff University*)

C08: Introduction to Data Enabled Design

Peter Lovei (*Philips, Eindhoven University of Technology*)
Renee Noortman (*Eindhoven University of Technology, Philips*)
Mathias Funk (*Eindhoven University of Technology, Eindhoven University of Technology*)

C09: Take a line for a walk! A Hands-on Introductory Course on Sketching in HCI.

Makayla Lewis (*Kingston University London*)
Miriam Sturdee (*Lancaster University*)

C10: Designing Technology for an Aging Population

Jeff Johnson (*University of San Francisco*)

C11: Interaction Prototyping With Video: Bridging Video Interaction Analysis & Design

Hannah Pelikan (*Linköping University*)
Yoyo Hou (*Cornell University*)
Xiyu Fu (*Cornell University*)
Leelo Keevallik (*Linköping University*)
Mathias Broth (*Linköping University*)
Malte Jung (*Cornell University*)

C12: How to: Peer Review for CHI (and Beyond)

Max Wilson (*University of Nottingham*)
Lennart Nacke (*University of Waterloo, University of Waterloo*)

C13: Prototyping and Design of Transparent and Flexible Electrochromic Displays

Markus Löchtfeld (*Aalborg University*)
Walthar Jensen (*Aalborg University*)
Çağlar Genç (*University of Lapland*)

C14: Bridging Cultural Differences with Critical Design in a Globalized World

Huatong Sun (*University of Washington Tacoma*)

C15: Automated Vehicles as a Space for Work & Wellbeing

Bastian Pfleging (*TU Bergakademie Freiberg*)

Andrew Kun (*University of New Hampshire*)
Orit Shaer (*Wellesley College*)

C16: Wearable Technology Design and Accessibility Considerations Course

Clint Zeagler (*Georgia Institute of Technology*)
Brian Jones (*Georgia Institute of Technology*)
Maribeth Gandy (*Georgia Institute of Technology*)
Scott Robertson (*Georgia Institute of Technology*)

C17: HCI History and Opportunities in 2022 - What We Anticipated, What We Did Not

Jonathan Grudin (*Microsoft, University of Washington*)

C18: Research Methods for People in a Hurry

Dave Miller (*University of Central Florida*)
Shaun Wallace (*Brown University*)

C19: Personas: New data, new trends

Lene Nielsen (*IT University, Copenhagen*)
Bernard J. Jansen (*HBKU*)
Joni Salminen (*Hamad Bin Khalifa University*)
José Abdelnour Nocera (*University of West London*)
Soon-Gyo Jung (*Hamad Bin Khalifa University*)

C20: Designing Interactive Experiences in the Interplay between Ambient Intelligence and Mixed Reality

Radu-Daniel Vatavu (*Ștefan cel Mare University of Suceava*)

C21: Inclusion Techniques for Team Practices in HCI

Karen Holtzblatt (*InContext Enterprises, WITops*)
Nicola Marsden (*Heilbronn University*)

C22: Collaborative Sketching with Tangibles: Let's Stop Soulless Meetings

Sandra Trullemans (*Innoty*)
Jorge Valadez (*Innoty*)

C23: Introduction to Service Design for UX Designers

Stuart Cockbill (*Loughborough University*)
Val Mitchell (*Loughborough University*)
Virpi Roto (*Aalto University*)
Jung-Joo Lee (*National University of Singapore*)
Effie Lai-Chong Law (*Durham University*)
John Zimmerman (*Carnegie Mellon University*)

C24: How to Design and Assess Automation for Interactive Applications and Interaction Techniques

Philippe Palanque (*University Paul Sabatier - Toulouse III*)

C25: Drifting by Intention – Four Epistemic Traditions in Constructive Design Research

Peter Krogh (*Aarhus University*)

C26: Statistics for HCI

Alan Dix (*Swansea University*)

C27: Rapid Prototyping for XR

Mark Billingham (*University of South Australia*)
Michael Nebeling (*University of Michigan*)

Panels

Panel01: Alexa, Tell Me a Joke!: "Voice Interfaces are Truly Inclusive"

Jaisie Sin (*University of Toronto*)
Cosmin Munteanu (*University of Toronto Mississauga, University of Toronto*)
Jenny Waycott (*The University of Melbourne*)
Robin Brewer (*University of Michigan*)
Sergio Sayago (*Universitat de Lleida*)
Amanda Lazar (*University of Maryland*)
Astrid Weber (*Google INc.*)

Panel02: What We Talk About When We Talk About Human-Computer Integration

Nathan Semertzidis (*Monash University*)
Zoe Fang (*Monash University*)
Pedro Lopes (*University of Chicago*)
Kai Kunze (*Keio University*)
Paul Pangaro (*Carnegie Mellon University*)
Florian Mueller (*Monash University*)
Pattie Maes (*MIT Media Lab*)

Panel03: More-than-human Concepts, Methodologies, and Practices in HCI

Aykut Coşkun (*Koc University, Koc University*)
Nazli Cila (*Delft University of Technology*)
Iohanna Nicenboim (*Delft University of Technology*)
Elisa Giaccardi (*Delft University of Technology*)
Laura Forlano (*Illinois Institute of Technology*)
Christopher Frauenberger (*University of Salzburg*)
Marc Hassenzahl (*University of Siegen*)
Clara Mancini (*The Open University*)
Ron Wakkary (*Simon Fraser University, Eindhoven University of Technology*)

Panel04: Fabricate It or Render It? Digital Fabrication vs. Virtual Reality for Creating Objects Instantly

Mustafa Doga Dogan (*MIT CSAIL*)
Patrick Baudisch (*Hasso Plattner Institute*)
Hrvoje Benko (*Meta*)
Michael Nebeling (*University of Michigan*)
Huaishu Peng (*University of Maryland*)
Valkyrie Savage (*University of Copenhagen*)
Stefanie Mueller (*MIT CSAIL*)

Panel05: Responsible Language Technologies: Foreseeing and Mitigating Harms

Su Lin Blodgett (*Microsoft Research*)
Q. Vera Liao (*Microsoft Research*)
Alexandra Olteanu (*Microsoft Research*)
Rada Mihalcea (*University of Michigan*)
Michael Muller (*IBM Research*)
Morgan Klaus Scheuerman (*University of Colorado Boulder*)
Chenhao Tan (*University of Colorado Boulder*)
Qian Yang (*Cornell University*)

Panel06: Considerations for Building Solidarity among Academic and Tech Workers: Thinking through access, positionality and limits to collective action

Noopur Raval (*New York University*)
Rida Qadri (*Google Research*)
Richmond Wong (*University of California Berkeley*)
Tamara Kneese (*Intel*)
Alex Hanna (*Distributed Artificial Intelligence Research*)

Panel07: Participatory Design of AI Systems: Opportunities and Challenges Across Diverse Users, Relationships, and Application Domains

Douglas Zytko (*Oakland University*)
Pamela Wisniewski (*University of Central Florida*)
Shion Guha (*University of Toronto*)
Eric Baumer (*Lehigh University*)
Min Kyung Lee (*University of Texas at Austin*)

Panel08: Telelife: A Vision of Remote Living in 2035

Kenan Bektas (*Institute of Computer Science*)
Jeeun Kim (*Texas A&M University*)
Huaishu Peng (*University of Maryland*)
Kiyoshi Kiyokawa (*Nara Institute of Science and Technology*)
Anthony Steed (*University College London*)
Tobias Höllerer (*University of California, Santa Barbara*)
Nataliya Kosmyna (*MIT Media Lab*)
Misha Sra (*UCSB*)
Jason Orlosky (*Augusta University*)
Kaan Akşit (*University College London*)

Panel09: Anti-Racism in Action: A Speculative Design Approach to Reimagining SIGCHI

Bryan Dosono (*eBay, Inc.*)
Ihudiya Ogbonnaya-Ogburu (*University of Michigan*)
Yolanda Rankin (*FLORIDA STATE UNIVERSITY*)
Angela Smith (*University of Texas at Austin*)
Kentaro Toyama (*University of Michigan*)

Panel10: Platformisation of Digital Financial Services (DFS): The Journey of DFS in the Global North and Global South

Pranjal Jain (*Swansea University*)
Alex Blandin (*Swansea University*)
Jacki O'Neill (*Microsoft Research India*)
Mark Perry (*Brunel University London*)
Samia Ibtasam (*University of Washington*)
Suleman Shahid (*Lahore University of Management Sciences*)
Beni Chugh (*Dvara Research*)
David Sullivan (*Starling Bank*)
Heloisa Candello (*IBM Research*)
James Pomeroy (*HSBC*)
Rajat Jain (*Bharat Pe*)
Robert Dowd (*Yimba*)
Matt Roach (*Swansea University*)
Matt Jones (*Swansea University*)

Special Interest Groups

SIG01: SIGCHI Turns 40: Honoring the Past, Celebrating the Present, and Envisioning the Next 40

SIGCHI Executive Committee (*ACM SIGCHI*)
Adriana Vivacqua (*Universidade Federal do Rio de Janeiro - UFRJ*)
Andrew Kun (*University of New Hampshire*)
Cale Passmore (*University of Saskatchewan*)
Helena M. Mentis (*University of Maryland, Baltimore County*)
Josh Andres (*The Australian National University*)
Kashyap Todi (*SIGCHI*)
Luigi De Russis (*Politecnico di Torino*)
Matt Jones (*Swansea University*)
Naomi Yamashita (*NTT*)
Neha Kumar (*Georgia Tech*)
Nicola Bidwell (*International University of Management, Aalborg University*)
Pejman Mirza-Babaei (*University of Ontario Institute of Technology*)
Priya Kumar (*Pennsylvania State University*)

Shaowen Bardzell (*The Pennsylvania State University*)
Simone Kriglstein (*Masaryk University, AIT Austrian Institute of Technology*)
Stacy Branham (*University of California, Irvine*)
Susan Dray (*Dray & Associate*)
Susanne Boll (*University of Oldenburg*)
Tamara Clegg (*University of Maryland*)

SIG02: SIG on Designing for Constructive Conflict

Amanda Baughan (*University of Washington*)
Ashwin Rajadesingan (*University of Michigan*)
Alexis Hiniker (*University of Washington*)
Paul Resnick (*University of Michigan*)
Amy Bruckman (*Georgia Institute of Technology*)

SIG03: SIG on Data as Human-Centered Design Material

Alejandra Gomez Ortega (*Delft University of Technology*)
Janne van Kollenburg (*Philips Experience Design*)
Yvette Shen (*The Ohio State University*)
Dave Murray-Rust (*TU Delft*)
Dajana Nedić (*University of Arkansas*)
Juan Jimenez (*Carleton University*)
Wo Meijer (*TU Delft*)
Pranshu Chaudhary (*National Institute of Design*)
Jacky Bourgeois (*TU Delft*)

SIG04: Equity Talks @SIGCHI

SIGCHI Executive Committee (*ACM SIGCHI*)
Adriana Vivacqua (*Universidade Federal do Rio de Janeiro - UFRJ*)
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Cale Passmore (*University of Saskatchewan*)
Helena M. Mentis (*University of Maryland, Baltimore County*)
Josh Andres (*The Australian National University*)
Kashyap Todi (*SIGCHI*)
Luigi De Russis (*Politecnico di Torino*)
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Nicola Bidwell (*International University of Management, Aalborg University*)
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Simone Kriglstein (*Masaryk University, AIT Austrian Institute of Technology*)
Stacy Branham (*University of California, Irvine*)
Susan Dray (*Dray & Associate*)
Susanne Boll (*University of Oldenburg*)
Tamara Clegg (*University of Maryland*)

SIG05: Human-Computer Interaction and the Future of Work

CHIWORK Collective (*CHIWORK*)
Naveena Karusala (*University of Washington*)
Nabil Al Nahin Ch (*University of New Hampshire*)
Diana Tosca (*New York University*)
Alberta Ansah (*University of New Hampshire*)
Emeline Brulé (*University of Sussex*)
Nadia Fereydooni (*Georgia Institute of Technology*)
Le-En Huang (*Salesforce*)
Azra Ismail (*Georgia Institute of Technology*)
Pranjal Jain (*theUXWhale*)
Yi Xuan Khoo (*University of Maryland, Baltimore County*)
Isabel Munoz (*Syracuse University*)

Clemens Schartmüller (*Technische Hochschule Ingolstadt*)
Himanshu Verma (*Delft University of Technology*)
Preeti Vyas (*University of British Columbia*)
Susanne Boll (*University of Oldenburg*)
Sarah Fox (*Carnegie Mellon University*)
Noopur Raval (*New York University*)
Max Wilson (*University of Nottingham*)
Anna Cox (*University College London*)
Christian Janssen (*Utrecht University*)
Helena M. Mentis (*University of Maryland, Baltimore County*)
Neha Kumar (*Georgia Tech*)
Orit Shaer (*Wellesley College*)
Andrew Kun (*University of New Hampshire*)

SIG06: SIG: Moving from Brain-Computer Interaction to Personal Cognitive Informatics

Max Wilson (*University of Nottingham*)
Serena Midha (*University of Nottingham*)
Horia Maior (*University of Nottingham*)
Anna Cox (*University College London*)
Lewis Chuang (*TU Chemnitz*)
Lachlan Urquhart (*University of Edinburgh*)

SIG07: Exploring Hybrid: A (hybrid) SIG to discuss hybrid conferences

SIGCHI Executive Committee (*ACM SIGCHI*)
Adriana Vivacqua (*Universidade Federal do Rio de Janeiro - UFRJ*)
Andrew Kun (*University of New Hampshire*)
Cale Passmore (*University of Saskatchewan*)
Helena M. Mentis (*University of Maryland, Baltimore County*)
Josh Andres (*The Australian National University*)
Kashyap Todi (*Facebook Reality Labs Research*)
Luigi De Russis (*Politecnico di Torino*)
Matt Jones (*Swansea University*)
Naomi Yamashita (*NTT, Kyoto University*)
Neha Kumar (*Georgia Tech*)
Nicola Bidwell (*International University of Management*)
Pejman Mirza-Babaei (*University of Ontario Institute of Technology*)
Priya Kumar (*Pennsylvania State University*)
Shaowen Bardzell (*The Pennsylvania State University*)
Simone Kriglstein (*AIT Austrian Institute of Technology*)
Stacy Branham (*University of California, Irvine*)
Susan Dray (*Dray & Associate*)
Susanne Boll (*University of Oldenburg*)
Tamara Clegg (*University of Maryland*)

SIG08: 'SIGuiendo' Each Other Steps

Helois Candello (*IBM Research*)
Adriana Vivacqua (*Universidade Federal do Rio de Janeiro - UFRJ*)
Pedro Reynolds-Cuellar (*MIT*)
Marisol Wong-Villacres (*Escuela Superior Politécnica del Litoral*)
Laura Gaytán-Lugo (*Universidad de Colima*)
Adriana Alvarado Garcia (*Georgia Institute of Technology*)

SIG09: Mapping FoodHCI Futures

Jialin Deng (*Monash University*)
Ferran Altarriba Bertran (*UC Santa Cruz*)
Lining Yao (*Carnegie Mellon University*)
Marianna Obrist (*University College London*)
Koya Narumi (*The University of Tokyo*)
Humphrey Yang (*Carnegie Mellon University*)
Mako Miyatake (*The University of Tokyo*)

Florian Mueller (*Monash University*)

SIG10: Metaverse: The Vision for the Future

Jiangnan Xu (*Rochester Institute of Technology*)
Konstantinos Papangelis (*Rochester Institute of Technology*)
John Dunham (*Rochester Institute of Technology*)
Jorge Goncalves (*University of Melbourne*)
Nicolas LaLone (*University of Nebraska at Omaha*)
Alan Chamberlain (*University of Nottingham*)
Ioanna Lykourantzou (*Utrecht University*)
Federica Vinella (*Utrecht University*)
David Schwartz (*RIT*)

SIG11: SIG: Towards More Personal Health Sensing

Junyi Zhu (*MIT CSAIL*)
Liang He (*University of Washington*)
Jun Nishida (*University of Chicago*)
Hamid Ghaednia (*Massachusetts General Hospital*)
Cindy Hsin-Liu Kao (*Cornell University*)
Jon Froehlich (*University of Washington*)
Edward Wang (*University of California, San Diego*)
Stefanie Mueller (*MIT CSAIL*)

SIG12: Research Ethics in HCI: A SIGCHI Community Discussion

Casey Fiesler (*University of Colorado*)
Christopher Frauenberger (*University of Salzburg*)
Michael Muller (*IBM Research*)
Jessica Vitak (*University of Maryland*)
Michael Zimmer (*Marquette University*)

SIG13: Designing for Continuous Interaction with Artificial Intelligence Systems

Philipp Wintersberger (*TU Wien*)
Niels van Berkel (*Aalborg University*)
Nadia Fereydooni (*Georgia Institute of Technology*)
Benjamin Tag (*University of Melbourne*)
Elena Glassman (*Harvard University*)
Daniel Buschek (*University of Bayreuth*)
Ann Blandford (*University College London*)
Florian Michahelles (*Vienna University of Technology*)

Interactivity

INT01: Biomaterial Playground: Engaging with Bio-based Materiality

Fiona Bell (*University of Colorado*)
Netta Ofer (*University of Colorado, Boulder*)
Hyelin Choi (*University of Colorado Boulder*)
Ella McQuaid (*University of Colorado Boulder*)
Ethan Frier (*University of Colorado Boulder*)
Mirela Alistar (*University of Colorado Boulder*)

INT02: TaleBrush: Visual Sketching of Story Generation with Pretrained Language Models

John Chung (*University of Michigan*)
Wooseok Kim (*KAIST*)
Kang Min Yoo (*NAVER Corp*)
Hwaran Lee (*NAVER Corp.*)
Eytan Adar (*University of Michigan, University of Michigan*)
Minsuk Chang (*NAVER AI Lab*)

INT03: SocialStools: A Playful, Socio-Spatial Interface for Fostering Togetherness Across Strangers

Ge Guo (*Cornell University*)
Gilly Leshed (*Cornell University*)
Trevor Pinch (*Cornell University*)
Keith Green (*Cornell University*)

INT04: Unfinished Farewell

Jiabao Li (*Graduate School of Design, University of Texas at Austin*)
Laobai Wu (*Independent*)
Wenying Wu (*Harvard University*)
Lu Wang (*Independent*)
Min Zhu (*Heinz College of Information Systems and Public Policy*)

INT05: Virtual Lab by Quantum Flytrap: Interactive simulation of quantum mechanics

Klementyna Jankiewicz (*Quantum Flytrap*)
Piotr Migdał (*Quantum Flytrap*)
Paweł Grabarz (*Quantum Flytrap*)

INT06: Demonstrating 3D Reconstruction to Modify 2D Laser Cutting Plans

Thijs Roumen (*Hasso Plattner Institute*)
Conrad Lempert (*Hasso Plattner Institute*)
Lukas Rambold (*Hasso Plattner Institute*)
Muhammad Abdullah (*Hasso Plattner Institute*)
Patrick Baudisch (*Hasso Plattner Institute*)

INT07: Meerkat: A Social Community Support Application for Older Adults

Tamir Mendel (*Tel Aviv University*)
Eran Toch (*Tel Aviv University*)

INT08: Fret Ferret: Driving Educational Games with Contextual Multi-Armed Bandits to Accelerate Human Learning

Douglas Mason (*Koyote Science, LLC*)
Dan Cote (*Koyote Science LLC*)

INT09: TeleOperationStation: XR-Exploration of User Interfaces for Remote Automated Vehicle Operation

Michael Gafert (*AIT Austrian Institute of Technology*)
Alexander Mirnig (*University of Salzburg & AIT*)
Peter Fröhlich (*AIT Austrian Institute of Technology*)
Manfred Tscheligi (*University of Salzburg & AIT*)

INT10: AR Fidget: Augmented Reality Experiences that Support Emotion Regulation through Fidgeting

Chen Ji (*University of California, Santa Cruz*)
Katherine Isbister (*University of California Santa Cruz*)

INT11: Conversation Balance: A Shared VR Visualization to Support Turn-taking in Meetings

Jialang Victor Li (*University of California, Santa Cruz, University of California, Santa Cruz*)
Max Kreminski (*University of California, Santa Cruz, University of California, Santa Cruz*)
Sean Fernandes (*University of California Santa Cruz, University of California Santa Cruz*)
Anya Osborne (*University of California Santa Cruz, University of California Santa Cruz*)
Joshua McVeigh-Schultz (*San Francisco State University, University of California Santa Cruz*)
Katherine Isbister (*University of California Santa Cruz, University of California Santa Cruz*)

INT12: Demonstrating Electrical Head Actuation: Enabling Interactive Systems to Directly Manipulate Head Orientation

Yudai Tanaka (*University of Chicago*)
Jun Nishida (*University of Chicago*)
Pedro Lopes (*University of Chicago*)

INT13: Opportunistic Interfaces for Augmented Reality: Transforming Everyday Objects into Tangible 6DoF Interfaces Using Ad hoc UI

Ruofei Du (*Google*)
Alex Olwal (*Google Inc.*)
Mathieu Le Goc (*Google*)
Shengzhi Wu (*Google*)
Danhang Tang (*Google*)
Yinda Zhang (*Google*)
Jun Zhang (*Google*)
David Joseph Tan (*Google*)
Federico Tombari (*Google*)
David Kim (*Google*)

INT14: CoBlok: Collaborative Performance in Virtual Reality and Face-to-Face

Valtteri Wikström (*University of Helsinki*)
Silja Martikainen (*University of Helsinki*)
Mari Falcon (*University of Helsinki*)
Niina Seittenranta (*University of Helsinki*)
Pyy Heikkinen (*University of Helsinki*)
Katri Saarikivi (*University of Helsinki*)

INT15: Demonstrating InfraredTags: Decoding Invisible 3D Printed Tags with Convolutional Neural Networks

Mustafa Doga Dogan (*MIT CSAIL*)
Veerapatr Yotamornsunthorn (*MIT CSAIL*)
Ahmad Taka (*MIT CSAIL*)
Yunyi Zhu (*MIT CSAIL*)
Aakar Gupta (*Facebook Inc*)
Stefanie Mueller (*MIT CSAIL*)

INT16: Robots in Nature: Living Typography

Brendan Harmon (*Louisiana State University*)
Hye Yeon Nam (*Louisiana State University*)
Hunter Gilbert (*Louisiana State University*)
Nasrin Irvani (*Louisiana State University*)

INT17: Demonstrating HydroMod : Constructive Modules for Prototyping Hydraulic Physical Interfaces

Takafumi Morita (*The University of Tokyo*)
Yu Kuwajima (*Shibaura Institute of Technology*)
Ayato Minaminosono (*Shibaura Institution of Technology*)
Shingo Maeda (*Shibaura Institute of Technology*)
Yasuaki Kakehi (*The University of Tokyo*)

INT18: Hicclip: A Smart Sealing Rack Using Interactive Sounds to Intervene Snack Addictions

Xinyue Liu (*Beijing Institute of Technology*)
Xipei Ren (*Beijing Institute of Technology*)
Xiaoqing Sun (*Beijing Institute of Technology*)

INT19: In the Zone! – Controlling and Visualising Sound Zones

Rune Jacobsen (*Aalborg University*)
Stine Johansen (*Aalborg University*)
Niels van Berkel (*Aalborg University*)
Mikael B. Skov (*Aalborg University*)
Jesper Kjeldskov (*Aalborg University*)

INT20: Demonstrating FoolProofJoint: Reducing Assembly Errors of Laser Cut 3D Models by Means of Custom Joint Patterns

Keunwoo Park (*Hasso Plattner Institute*)
Conrad Lempert (*Hasso Plattner Institute*)
Muhammad Abdullah (*Hasso Plattner Institute*)
Shohei Katakura (*Hasso Plattner Institute*)
Jotaro Shigeyama (*Hasso Plattner Institute*)
Thijs Roumen (*Hasso Plattner Institute*)

Patrick Baudisch (*Hasso Plattner Institute*)

INT21: A Tool Bundle for AI Fairness in Practice

Boris Ruf (*AXA*)

Marcin Detyniecki (*REV Research*)

INT22: Design of 3D-Printed Soft Sensors for Wire Management and Customized Softness

Rei Sakura (*The University of Tokyo*)

Changyo Han (*The University of Tokyo*)

Keisuke Watanabe (*The University of Tokyo*)

Ryosuke Yamamura (*mercari R4D*)

Yasuaki Kakehi (*The University of Tokyo*)

INT23: xai-primer.com — A Visual Ideation Space of Interactive Explainers

Beatrice Gobbo (*Politecnico di Milano*)

Tommaso Elli (*Politecnico di Milano*)

Uta Hinrichs (*University of Edinburgh*)

Mennatallah El-Assady (*ETH Zürich*)

INT24: “Tête-à-tête 22”: Mediating Intimate Relationship through Expressive Digital Interaction

Young Suk Lee (*University of Twente*)

daniel saakes (*University of Twente*)

INT25: Demonstrating TapType for mobile ten-finger text entry anywhere

Paul Streli (*ETH Zürich*)

Jiaxi Jiang (*ETH Zürich*)

Andreas Fender (*ETH Zürich*)

Manuel Meier (*ETH Zürich*)

Hugo Romat (*ETH Zürich*)

Christian Holz (*ETH Zürich*)

INT26: Demonstrating Commons Sense: A Novel Physiological Interaction for Engaging Live Streaming Audiences

Raquel Robinson (*University of Saskatchewan*)

Ricardo Rheeder (*University of Saskatchewan*)

Madison Klarkowski (*University of Saskatchewan*)

Regan Mandryk (*University of Saskatchewan*)

INT27: An Immersive Environment for Embodied Code

Robert Twomey (*University of Nebraska-Lincoln, University of California, San Diego*)

Tommy Sharkey (*UC San Diego*)

Timothy Wood (*University of California San Diego*)

Amy Eguchi (*University of California San Diego*)

Monica Sweet (*UC San Diego*)

Ying Wu (*UC San Diego*)

INT28: “30 Days:” An EMA Diary Mobile App & Web Tool

Karla Badillo-Urquiola (*University of Central Florida*)

Carl Antoine (*University of Central Florida*)

Amanda Nisenbaum (*University of Central Florida*)

Zachary Shea (*University of Central Florida*)

Pamela Wisniewski (*University of Central Florida*)

INT29: Demonstrating Nomon: A Flexible Interface for Noisy Single-Switch Users

Nicholas Bonaker (*Massachusetts Institute of Technology*)

Emlí-Mari Nel (*University of the Witwatersrand*)

Keith Vertanen (*Michigan Technological University*)

Tamara Broderick (*Massachusetts Institute of Technology*)

INT30: Habilyzer: A User-Driven Open-Ended Sensor Kit for Office Workers

Roy van den Heuvel (*Eindhoven University of Technology*)

Tjeu van Bussel (*Eindhoven University of Technology*)

Carine Lallemand (*Eindhoven University of Technology, University of Luxembourg*)

INT31: Two-Gimbal PAT: An artistic installation combining mechanical and acoustic rotation of levitated content

Ben Kazemi (*University College London*)

Roberto Montano-Murillo (*University College London*)

Diego Martinez Plasencia (*University College of London*)

INT32: QuadStretch: A Forearm-wearable Multi-dimensional Skin Stretch Display for Immersive VR Haptic Feedback

Youngbo Shim (*KAIST*)

Taejun Kim (*School of Computing, KAIST*)

Geehyuk Lee (*School of Computing, KAIST*)

INT33: VR for Diversity: A Virtual Museum Exhibition about LGBTIQ+

Sky Leslie (*Lectoraat Civic Interaction Design*)

Mirjam Vosmeer (*Lectoraat Civic Interaction Design*)

Casper Sterrenburg (*Amsterdam University of Applied Sciences*)

Anastasia Maimenscu (*Master Digital Design*)

Damir Catibovic (*Master Digital Design*)

INT34: Demonstrating ReCompFig: Designing Dynamically Reconfigurable Kinematic Devices Using Compliant Mechanisms and Tensioning Cables

Humphrey Yang (*Carnegie Mellon University*)

Tate Johnson (*Carnegie Mellon University*)

Ke Zhong (*Carnegie Mellon University*)

Dinesh Patel (*Carnegie Mellon University*)

Gina Olson (*Carnegie Mellon University*)

Carmel Majidi (*Carnegie Mellon University*)

Mohammad Islam (*Materials Science and Engineering*)

Lining Yao (*Carnegie Mellon University*)

INT35: The Future Is Red: Visualizing Wildfire Predictions using Contactless Interaction

Yoon Chung Han (*San Jose State University*)

Amanbeer Khanduja (*San Jose State University*)

INT36: A New Interactive Music System by Fusion of Melody Morphing and Body Movements

Hiroya Miura (*RIKEN, RIKEN*)

Masatoshi Hamanaka (*RIKEN, RIKEN*)

INT37: AR Magic Lantern: Group-based Co-Located Augmentation Based on the World-as-Support AR Paradigm

Paul Hine (*Universitat Pompeu Fabra*)

Loza Tadesse Mamo (*Universitat Pompeu Fabra*)

Narcis Pares (*Universitat Pompeu Fabra*)

INT38: EntityBot: Actionable Entity Recommendations for Everyday Digital Task

Tung Vuong (*University of Helsinki, University of Helsinki*)

Salvatore Andolina (*Università degli Studi di Palermo, Università degli Studi di Palermo*)

Giulio Jacucci (*Helsinki Institute for Information Technology HIIT, University of Helsinki, Helsinki Institute for Information Technology HIIT, University of Helsinki*)

Pedram Daei (*Aalto University, Aalto University*)

Khalil Klouche (*University of Helsinki, University of Helsinki*)

Mats Sjöberg (*CSC, CSC*)

Tuukka Ruotsalo (*University of Helsinki, University of Copenhagen*)

Samuel Kaski (*Aalto University, Aalto University*)

INT39: KaraokeVUI: Utilizing Karaoke Subtitles for Voice User Interfaces to Navigate Users What They Would Say

Kazumi Yoshimura (*Yahoo Japan Corporation*)

Late Breaking Work

LBW01: Toward Handling the Complexities of Non-Anthropomorphic Hands

Jennifer Molnar (*Georgia Institute of Technology, Facebook Inc*)
Yigit Menguc (*Oregon State University, Facebook Inc*)

LBW02: Stakeholders and Value in the NFT Ecosystem: Towards a Multi-disciplinary Understanding of the NFT Phenomenon

Mehmet Aydin Baytaş (*Weatherlight*)
Amos Cappellaro (*Chalmers University of Technology*)
Ylva Fernaeus (*KTH Royal Institute of Technology*)

LBW03: “Where lots of people are sharing one thing, as soon as one person does something slightly different it can impact everyone” : A Formative Exploration of User Challenges and Expectations around Sharing of Accounts Online

Neelima Sailaja (*University of Nottingham*)
Abigail Fowler (*University of Nottingham*)

LBW04: A Study of the Effects of Network Latency on Visual Task Performance in Video Conferencing

Shrikant Garg (*Indraprastha Institute of Information Technology - Delhi*)
Ayushi Srivastava (*Indraprastha Institute of Information Technology Delhi (IIIT-Delhi)*)
Mashhuda Glencross (*University of Queensland*)
Ojaswa Sharma (*Indraprastha Institute of Information Technology Delhi (IIIT-Delhi)*)

LBW05: ChromoPrint: A Multi-Color 3D Printer Based on a Reprogrammable Photochromic Resin

Isabel Qamar (*MIT CSAIL*)
Sabina Chen (*MIT CSAIL*)
Dimitri Tskhovrebadze (*MIT CSAIL*)
Paolo Boni (*MIT CSAIL*)
Faraz Faruqi (*MIT CSAIL*)
Michael Wessely (*MIT CSAIL*)
Stefanie Mueller (*MIT CSAIL*)

LBW06: Co-Designing an Experience Sampling Method Digital Platform to Investigate Self-Harm Among Young People

Bridget Ellis (*Bristol University*)
Jon Bird (*University of Bristol*)
Helen Bould (*University of Bristol*)
Lucy Biddle (*University of Bristol*)
Rosanna Moore (*Avon and Wiltshire Mental Health Partnership Trust, University of Bristol*)

LBW07: Virtual Reality for Mind and Body: Does the Sense of Embodiment Towards a Virtual Body Affect Physical Body Awareness?

Nina Döllinger (*Team for Human-Technology-Systems*)
Erik Wolf (*University of Würzburg, Department of Computer Science, HCI Group*)
David Mal (*University of Würzburg, Department of Computer Science, HCI Group*)
Nico Erdmannsdörfer (*Team for Human-Technology-Systems*)
Mario Botsch (*TU Dortmund University*)
Marc Erich Latoschik (*Department of Computer Science, HCI Group*)
Carolin Wienrich (*Team for Human-Technology-Systems*)

LBW08: Harmonized Banner Creation from Multimodal Design Assets

Praneetha Vaddamanu (*Adobe Research, Birla Institute of Technology and Science, Pilani*)
Vinay Aggarwal (*Google, Indian Institute of Technology Roorkee*)
Bhanu Prakash Reddy Guda (*Carnegie Mellon University*)
Balaji Vasani Srinivasan (*Adobe Systems India Pvt Ltd*)
Niyati Chhaya (*Adobe Systems*)

LBW09: Mask removal isn't always convenient in public! – The Impact of the Covid-19 Pandemic on Device Usage and User Authentication

Alia Saad (*University of Duisburg-Essen*)

Uwe Gruenefeld (*University of Duisburg-Essen*)
Lukas Mecke (*Bundeswehr University Munich*)
Marion Koelle (*University of Duisburg-Essen*)
Florian Alt (*Bundeswehr University Munich*)
Stefan Schneegass (*University of Duisburg-Essen*)

LBW10: Expert Evaluation of Haptic Virtual Reality User Interfaces for Medical Landmarking

Jari Kangas (*Tampere University*)
Zhenxing Li (*Tampere University*)
Roope Raisamo (*Tampere University*)

LBW11: What Kinds of Experiences Do You Desire? A Preliminary Study of the Desired Experiences of Contributors to Location-Based Mobile Crowdsourcing

Fang-Yu Lin (*National Yang Ming Chiao Tung University*)
Chia-Yi Lee (*NYCU*)
Yi-Ting Ho (*National Yang Ming Chiao Tung University*)
Yao-Kuang Chen (*National Yang Ming Chiao Tung University*)
Grace Yu-Chun Yen (*University of California San Diego*)
Yung-Ju Chang (*National Yang Ming Chiao Tung University*)

LBW12: Feasibility Studies in Indoor Localization through Intelligent Conversation

Smitha Sheshadri (*Singapore Management University*)
Linus Cheng (*Singapore University of Technology and Design*)
Kotaro Hara (*Singapore Management University*)

LBW13: ParaSight: Enabling Privacy-preserving Sensing Data Sharing via Device-to-device Utterance-based Communication

Youngwook Do (*Georgia Institute of Technology*)
Seong-Eun Moon (*NAVER*)
Minsuk Chang (*NAVER AI Lab*)

LBW14: Improving Agent-Based Route Predictions for As-The-Crow-Flies Navigation

Gian-Luca Savino (*University of St. Gallen*)

LBW15: Tourgether360: Exploring 360° Tour Videos with Others

Kartikaeya Kumar (*Indian institute of Technology, Guwahati*)
Lev Poretski (*University of Toronto*)
Jiannan Li (*University of Toronto*)
Anthony Tang (*University of Toronto*)

LBW16: Supporting Anaesthetists during 'Red Blanket' Trauma Surgery: An Analysis of Work Practices and Requirements for a Head-Worn Display Support System

Paul Schlosser (*The University of Queensland*)
Penelope Sanderson (*The University of Queensland*)
Alvin Obed (*Royal Brisbane and Women's Hospital*)
Christopher Futter (*Royal Brisbane and Women's Hospital*)

LBW17: Investigating the Potential of Artificial Intelligence Powered Interfaces to Support Different Types of Memory for People with Dementia

Hanuma Teja Maddali (*University of Maryland*)
Emma Dixon (*University of Maryland*)
Alisha Pradhan (*University of Maryland*)
Amanda Lazar (*University of Maryland*)

LBW18: Interaction Design for VR Applications: Understanding Needs for University Curricula

Oloff Biermann (*University of British Columbia*)
Daniel Ajisafe (*The University of British Columbia*)
Dongwook Yoon (*University of British Columbia*)

LBW19: MisVis: Explaining Web Misinformation Connections via Visual Summary

Seongmin Lee (*Georgia Institute of Technology*)

Sadia Afroz (*AVAST*)

Haekyu Park (*Georgia Institute of Technology*)

Zijie Wang (*Georgia Tech*)

Omar Shaikh (*Georgia Institute of Technology*)

Vibhor Sehgal (*AVAST*)

Ankit Peshin (*Avast*)

Duen Horng Chau (*Georgia Tech*)

LBW20: Using Virtual Reality to Design and Evaluate a Lunar Lander: The EL3 Case Study

Tommy Nilsson (*European Space Agency (ESA)*)

Flavie Rometsch (*German Aerospace Center (DLR)*)

Andrea Casini (*German Aerospace Center (DLR)*)

Enrico Guerra (*European Space Agency*)

Leonie Becker (*European Space Agency*)

Andreas Treuer (*European Space Agency*)

Paul Demedeiros (*European Space Agency*)

Hanjo Schnellbaecher (*European Space Agency*)

Anna Vock (*European Space Agency*)

Aidan Cowley (*European Space Agency*)

LBW21: Shapeshifter: Gesture Typing in Virtual Reality with a Force-based Digital Thimble

Tafadzwa Dube (*University of California, Merced*)

Kevin Johnson (*University of California, Merced*)

Ahmed Arif (*University of California, Merced*)

LBW22: Effects of Speaking Rate on Speech and Silent Speech Recognition

Laxmi Pandey (*University of California, Merced*)

Ahmed Arif (*University of California, Merced*)

LBW23: RumorLens: Interactive Analysis and Validation of Suspected Rumors on Social Media

Ran Wang (*Philosophy and Social Sciences Laboratory of Big data and national communication strategy, Ministry of Education*)

Kehan Du (*University of Bristol*)

Qianhe Chen (*Huazhong University of Science and Technology*)

Yifei Zhao (*Huazhong University of Science and Technology*)

Mojie Tang (*Huazhong University of Science and Technology*)

Hongxi Tao (*University College London*)

Shipan Wang (*Huazhong University of Science and Technology*)

Yiyao Li (*Huazhong University of Science and Technology*)

Yong Wang (*Singapore Management University*)

LBW24: Beyond Meditation: Everyday Mindfulness and Technology Use

Jingjin Li (*Cornell University*)

Gilly Leshed (*Cornell University*)

LBW25: Exploring challenges for Conversational Web Browsing with Blind and Visually Impaired Users

Marcos Baez (*Université Claude Bernard Lyon 1*)

Claudia Maria Cutrupi (*Politecnico di Milano*)

Maristella Matera (*Politecnico di Milano*)

Isabella Possaghi (*Politecnico di Milano*)

Emanuele Pucci (*Politecnico di Milano, Awby*)

Gianluca Spadone (*Politecnico di Milano*)

Cinzia Cappiello (*Politecnico di Milano*)

Antonella Pasquale (*Politecnico di Milano*)

LBW26: Effect of Anthropomorphic Glyph Design on the Accuracy of Categorization Tasks

Aditeya Pandey (*Northeastern University*)

Peter Bex (*Northeastern University*)

Michelle Borkin (*Northeastern University*)

LBW27: Would Users Accept Electric Muscle Stimulation Controlling their Body? Insights from a Scenario-based Investigation

Ambika Shahu (*TU Wien Informatics*)

Philipp Wintersberger (*TU Wien*)

Florian Michahelles (*Vienna University of Technology*)

LBW28: Evaluating Soft Organ-Shaped Tangibles for Medical Virtual Reality

Thomas Muender (*University of Bremen*)

Anke Reinschluessel (*University of Bremen*)

Daniela Salzmann (*Carl von Ossietzky University of Oldenburg, University Hospital for Visceral Surgery, PIUS-Hospital*)

Thomas Lück (*cirp GmbH*)

Andrea Schenk (*Fraunhofer Institute for Digital Medicine (MEVIS)*)

Dirk Weyhe (*Carl von Ossietzky University of Oldenburg, University Hospital for Visceral Surgery, PIUS-Hospital*)

Tanja Döring (*Digital Media Lab, University of Bremen*)

Rainer Malaka (*Digital Media Lab, University of Bremen*)

LBW29: Consent-O-Matic: Automatically Answering Consent Pop-ups Using Adversarial Interoperability

Midas Nouwens (*Aarhus University*)

Rolf Bagge (*Aarhus University*)

Janus Kristensen (*Aarhus University*)

Clemens Klokmose (*Aarhus University*)

LBW30: Cognality vr: Exploring a mobile vr app with multiple stakeholders to reduce meltdowns in autistic children

LouAnne Boyd (*Chapman University*)

LBW31: Cardiac Arrest: Evaluating the Role of Biosignals in Gameplay Strategies and Players' Physiological Synchrony in Social Deception Games

Cathy Mengying Fang (*MIT Media Lab*)

G. R. Marvez (*MIT*)

Neska ElHaouij (*Massachusetts Institute of Technology*)

Rosalind Picard (*Massachusetts Institute of Technology*)

LBW32: Paraphernalia – Game Mechanics Facilitating Bodily Movement and Play

Louise Matjeka (*Norwegian University of Science and Technology*)

Alf Inge Wang (*Norwegian University of Science and Technology*)

LBW33: Finding Strategies Against Misinformation in Social Media: A Qualitative Study

Jacqueline Urakami (*Tokyo Institute of Technology*)

Yeongdae Kim (*Tokyo Institute of Technology*)

Hiroki Oura (*Tokyo University of Science*)

Katie Seaborn (*Tokyo Institute of Technology*)

LBW34: Correlation between Unconscious Mouse Actions and Human Cognitive Workload

Go-Eum Cha (*Purdue University*)

Byung-Cheol Min (*Purdue University*)

LBW35: Debaised Label Aggregation for Subjective Crowdsourcing Tasks

Shaun Wallace (*Brown University*)

Tianyuan Cai (*Adobe*)

Brendan Le (*Brown University*)

Luis Leiva (*University of Luxembourg*)

LBW36: cARDLearner: Using expressive Virtual Agents when learning vocabulary in Augmented Reality

Aimée Sousa Calepso (*VISUS*)

Natalie Hube (*University of Stuttgart, Mercedes-Benz AG*)

Noah Berenguel Senn (*VISUS*)

Vincent Brandt (*VISUS*)

Michael Sedlmair (*University of Stuttgart*)

LBW37: Is This Flight Headed Downtown?: User Experience Considerations for Urban Air Mobility

Cherin Lim (*Yonsei University*)
Young Woo Kim (*Yonsei University*)
Yong Gu Ji (*Yonsei University*)
Solhee Yoon (*Seoul National University of Science and Technology*)
Seul Chan Lee (*Gyeongsang National University*)

LBW38: Menstrual Monster: A Tangible Interactive Co-educational Game Designed for Teenagers

Xiubo Liang (*Zhejiang University*)
Jing Zhang (*Zhejiang University*)
Jiayi Ma (*Zhejiang University*)
Jiayu Yao (*Zhejiang University*)
Weijia Lin (*Zhejiang University*)
Zheliang Zhu (*Zhejiang University*)
Yingying Ma (*Zhejiang University*)
Fangtian Ying (*Hubei University of Technology*)
Cheng Yao (*Zhejiang University*)
Leijing Zhou (*Zhejiang University*)
Preben Hansen (*Stockholm University*)
Yijun Zhao (*Zhejiang University*)
Guanyun Wang (*Zhejiang University*)

LBW39: Characteristics of People Who Engage in Online Harassing Behavior

Song Mi Lee (*University of Michigan, University of Michigan*)
Cliff Lampe (*University of Michigan, University of Michigan*)
J.J. Prescott (*University of Michigan, University of Michigan*)
Sarita Schoenebeck (*University of Michigan, University of Michigan*)

LBW40: Helping Mobile Learners Know Unknown Words through their Reading Behavior

Riku Higashimura (*Osaka Prefecture University*)
Andrew Vargo (*Osaka Prefecture University*)
Motoi Iwata (*Osaka Prefecture University*)
Koichi Kise (*Osaka Prefecture University*)

LBW41: Conversation-Based Hybrid User Interface for Structured Qualitative Survey - A Pilot Study Using Repertory Grid

Yunxing Liu (*Industrial design*)
Jean-Bernard Martens (*Eindhoven University of Technology*)

LBW42: Revisiting Engagement in Humanitarian Mapping: An Updated Analysis of Contributor Retention in OpenStreetMap

Zarif Mahmud (*University of Toronto*)
Aarjav Chauhan (*University of Toronto*)
Dipto Sarkar (*Carleton University*)
Robert Soden (*University of Toronto*)

LBW43: Exploring Gender-Expansive Categorization Options for Robots

Katie Seaborn (*Tokyo Institute of Technology*)
Peter Pennefather (*gDial, Inc.*)
Haruki Kotani (*Tokyo Institute of Technology*)

LBW44: The Impact of Motion Scaling and Haptic Guidance on Operators' Workload and Performance in Teleoperation

Soran Parsa (*University of Lincoln*)
Horia Maior (*University of Nottingham, University of Nottingham*)
Alex Thumwood (*University of Lincoln*)
Max Wilson (*University of Nottingham*)
Marc Hanheide (*University of Lincoln*)
Amir Ghalamzan Esfahani (*University of Lincoln*)

LBW45: Trust in Human-AI Interaction: Scoping Out Models, Measures, and Methods

Takane Ueno (*Tokyo Institute of Technology*)
Yuto Sawa (*Tokyo Institute of Technology*)
Yeongdae Kim (*Tokyo Institute of Technology*)
Jacqueline Urakami (*Tokyo Institute of Technology*)
Hiroki Oura (*Tokyo University of Science*)
Katie Seaborn (*Tokyo Institute of Technology*)

LBW46: Towards Enabling Synchronous Digital Creative Collaboration: Codifying Conflicts in Co-Coloring

Suryateja BV (*Adobe*)
Jeet Patel (*Indian Institute of Technology Guwahati*)
Atharva Naik (*Indian Institute of Technology, Kharagpur*)
Yash Butala (*Indian Institute of Technology Kharagpur*)
Sristy Sharma (*Indian Institute of Technology Guwahati*)
Niyati Chhaya (*Adobe Systems*)

LBW47: Exploring Emotion Responses toward Pedestrian Crossing Actions for Designing In-vehicle Empathic Interfaces

Surjya Ghosh (*BITS Pilani*)
Gerard Pons Rodriguez (*Centrum Wiskunde & Informatica*)
Shruti Rao (*Centrum Wiskunde & Informatica (CWI)*)
Abdallah El Ali (*Centrum Wiskunde & Informatica (CWI)*)
Pablo Cesar (*Centrum Wiskunde & Informatica (CWI), Delft University of Technology (TU Delft)*)

LBW48: SignFind: A Synchronized Sign Language and Chinese Character Teaching Game for Chinese Deaf Children Using Gesture Recognition

Jintao Nie (*Zhejiang University*)
Yijun Zhao (*Zhejiang University*)
Bing Yao (*Zhejiang University*)
Zheng Xu (*School of Computer Science and Technology*)
Jiayan Chen (*Zhejiang University*)
Changchao Yu (*Zhejiang University*)
Preben Hansen (*Stockholm University*)
Jianhui Liu (*Zhejiang University*)
Jiadi Wang (*Zhejiang University*)
Ge Yan (*Zhejiang University*)
Cheng Yao (*Zhejiang University*)
Leijing Zhou (*Zhejiang University*)
Fangtian Ying (*Zhejiang University*)
Xiubo Liang (*Zhejiang University*)
Guanyun Wang (*Zhejiang University*)

LBW49: Critical Incident Technique and Gig-Economy Work (Deliveroo): Working with and Challenging Assumptions around Algorithms

Carolynne Lord (*Lancaster University*)
Oliver Bates (*Lancaster University*)
Adrian Friday (*Lancaster University*)

LBW50: Differences of Challenges of Working from Home (WFH) between Weibo and Twitter Users during COVID-19

Jie Gao (*Singapore University of Technology and Design*)
Xiayin Ying (*Zhejiang University*)
Junming Cao (*Fudan University*)
Yifan Yang (*University of Nottingham*)
Pin Sym Foong (*National University of Singapore*)
Simon Perrault (*Singapore University of Technology and Design*)

LBW51: Using Expressive Avatars to Increase Emotion Recognition: A Pilot Study

Natalie Hube (*Mercedes-Benz AG, University of Stuttgart*)
Kresimir Vidackovic (*Hochschule der Medien - University of Applied Sciences*)
Michael Sedlmair (*University of Stuttgart*)

- LBW52: "It Deserves to Be Further Developed": A Study of Mainstream Web Interface Adaptability for People with Low Vision**
Maximiliano Jeanneret Medina (*University of Fribourg, HEG Arc, HES-SO // University of applied sciences and arts western*)
Denis Lalanne (*University of Fribourg*)
Cédric Baudet (*HES-SO // University of applied sciences and arts western Switzerland*)
Cédric Benoit (*HEG Arc, HES-SO // University of applied sciences and arts western Switzerland*)
- LBW53: Opportunities in Designing HCI Tools for Lactation Consulting Professionals**
Jessica de Souza (*University of California San Diego*)
Kristina Chamberlain (*University of California San Diego*)
Sidhant Gupta (*Microsoft Research*)
Yang Gao (*Northwestern University*)
Nabil Alshurafa (*Northwestern University*)
Edward Wang (*University of California, San Diego*)
- LBW54: A Tale of Two Mice: Sustainable Electronic Design and Prototyping**
Vicente Arroyos (*University of Washington*)
Maria Viitaniemi (*Microsoft Research, University of Washington*)
Nicholas Keehn (*Microsoft Research*)
Vaidehi Oruganti (*Microsoft Research*)
Winston Saunders (*Microsoft Research*)
Karin Strauss (*Microsoft Research*)
Vikram Iyer (*University of Washington*)
Bichlien Nguyen (*Microsoft Research, Microsoft Research*)
- LBW55: Habilyzer: Empowering Office Workers to Investigate their Working Habits using an Open-Ended Sensor Kit**
Tjeu van Bussel (*Eindhoven University of Technology*)
Roy van den Heuvel (*Eindhoven University of Technology*)
Carine Lallemand (*Eindhoven University of Technology, University of Luxembourg*)
- LBW56: Excitement Projector: Augmenting Excitement-Perception and Arousal through Bio-signal-based Haptic Feedback in Remote-Sport Watching**
Shimeng Peng (*R&D center, Sony Group Corporation*)
- LBW57: Helping Voice Shoppers Make Purchase Decisions**
Gustavo Penha (*TU Delft*)
Eyal Krikon (*Amazon*)
Vanessa Murdock (*Amazon*)
sandeep avula (*Amazon*)
- LBW58: REVES: Redirection Enhancement Using Four-Pole Vestibular Electrode Stimulation**
Seokhyun Hwang (*Gwangju Institute of Science and Technology*)
Jieun Lee (*Gwangju Institute of Science and Technology*)
YoungIn Kim (*Gwangju Institute of Science and Technology*)
SeungJun Kim (*Gwangju Institute of Science and Technology*)
- LBW59: Bridging the Gap Between UX Practices and AI-Enabled Design Tools**
Yuwen Lu (*University of Notre Dame*)
Chengzhi Zhang (*Carnegie Mellon University*)
Iris Zhang (*Kings Christian Collegiate*)
Toby Li (*University of Notre Dame*)
- LBW60: StickyLand: Breaking the Linear Presentation of Computational Notebooks**
Zijie Wang (*Georgia Tech*)
Katie Dai (*Georgia Tech*)
W. Keith Edwards (*Georgia Institute of Technology*)
- LBW61: "I Want It That Way": Exploring Users' Customization and Personalization Preferences for Home Assistants**
Nima Zargham (*University of Bremen, University of Bremen*)
Dmitry Alexandrovsky (*University of Bremen, University of Bremen*)

Jan Erich (*Digital Media Lab, TZI, University of Bremen, Digital Media Lab, TZI, University of Bremen*)
Nina Wenig (*University of Bremen, University of Bremen*)
Rainer Malaka (*University of Bremen, University of Bremen*)

LBW62: Advertising in Location-Based Games: An Exploration in Pokémon GO

John Dunham (*Rochester Institute of Technology*)
Jiangnan Xu (*Rochester Institute of Technology*)
Konstantinos Papangelis (*Rochester Institute of Technology*)
David Schwartz (*RIT*)

LBW63: Tribo Tribe: Triboelectric Interaction Sensing with 3D Physical Interfaces

Xin Liu (*National University of Singapore, National University of Singapore*)
BO HAN (*National University of Singapore*)
Clement Zheng (*National University of Singapore*)
Ching Chiu Yen (*National University of Singapore, National University of Singapore*)

LBW64: Leveraging curiosity to encourage social interactions in children with Autism Spectrum Disorder: preliminary results using the interactive toy PlusMe

Flora Giocondo (*Institute of Cognitive Sciences and Technologies, National Research Council*)
Noemi Faedda (*Department of Human Neuroscience, Sapienza*)
Gioia Cavalli (*University of Rome La Sapienza*)
valerio sperati (*Institute of Cognitive Sciences and Technologies, National Research Council of Italy (ISTC-CNR)*)
Beste Ozcan (*Institute of Cognitive Sciences and Technologies, National Research Council of Italy*)
Federica Giovannone (*University of Rome La Sapienza*)
Carla Sogos (*University of Rome La Sapienza*)
Vincenzo Guidetti (*University of Rome La Sapienza*)
Gianluca Baldassarre (*Institute of Cognitive Sciences and Technologies, National Research Council*)

LBW65: Towards Understanding the Dark Patterns That Steal Our Attention

Alberto Monge Roffarello (*Politecnico di Torino*)
Luigi De Russis (*Politecnico di Torino*)

LBW66: PriCheck – An Online Privacy Assistant for Smart Device Purchases

Vera Volk (*LMU Munich*)
Sarah Prange (*Bundeswehr University Munich, LMU Munich*)
Florian Alt (*Bundeswehr University Munich*)

LBW67: Exploring Discrete Drawing Guides to Assist Users in Accurate Mid-air Sketching in VR

Rumeysa Türkmen (*Kadir Has University*)
Ken Pfeuffer (*Aarhus University*)
Mayra Barrera Machuca (*Dalhousie University*)
Anil Ufuk Batmaz (*Kadir Has University*)
Hans Gellersen (*Lancaster University, Aarhus University*)

LBW68: What are you Grateful for? - Enhancing Gratitude Routines by Using Speech Assistants

André Helgert (*University of Applied Sciences Ruhr West*)
Carolin Strassmann (*University of Applied Sciences Ruhr West*)

LBW69: Iterating through Feeling-with Nonhuman Things

Armi Behzad (*Simon Fraser University*)
Ron Wakkary (*Simon Fraser University, Eindhoven University of Technology*)
Doenja Oogjes (*Simon Fraser University*)
Ce Zhong (*Simon Fraser University*)
Henry Lin (*SFU*)

LBW70: Embodied Notes: A Cognitive Support Tool For Remote Scientific Collaboration in VR

Monsurat Olaosebikan (*Tufts University*)
Claudia Aranda Barrios (*Tufts University*)
Lenore Cowen (*Tufts University*)

Orit Shaer (*Wellesley College*)

LBW71: InfinityWall - Vertical Locomotion in Virtual Reality Using a Rock Climbing Treadmill

Felix Kosmalla (*Saarland Informatics Campus*)
Florian Daiber (*DFKI, Saarland Informatics Campus*)
Antonio Krüger (*DFKI, Saarland Informatics Campus*)

LBW72: Attitudes towards Online Community Support Initiatives during the COVID-19 pandemic: A Survey in the UK

Min Zhang (*The Open University*)
Camilla Elphick (*The Open University*)
Richard Philpot (*The Open University*)
Zoe Walkington (*The Open University*)
Lara Frumkin (*The Open University*)
Blaine Price (*The Open University*)
Graham Pike (*The Open University*)
Mark Levine (*Lancaster University*)
Bashar Nuseibeh (*The Open University, University of Limerick*)
Arosha Bandara (*The Open University*)

LBW73: VR-Surv: a VR-Based Privacy Preserving Surveillance System

Achref Doula (*TU Darmstadt*)
Alejandro Sanchez Guinea (*TU Darmstadt*)
Max Mühlhäuser (*TU Darmstadt*)

LBW74: Memory Portal: Investigating Data Meaning-making Through Spatio-temporal Experiences

Dina EL-Zanfaly (*Carnegie Mellon University*)
Zhenfang Chen (*Carnegie Mellon University*)
Amrita Khoshoo (*Facebook Reality Labs*)
Rachel Arredondo (*Carnegie Mellon University*)
Isabel Ngan (*Fjord*)
Christianne Francovich (*Carnegie Mellon University*)

LBW75: Motivational and Situational Aspects of Active and Passive Social Media Breaks May Explain the Difference Between Recovery and Procrastination

Elahi Hossain (*UCL*)
Greg Wadley (*The University of Melbourne*)
Nadia Berthouze (*University College London*)
Anna Cox (*University College London*)

LBW76: Exploring the Effect of Emotion Awareness Intervention on Reducing FoMO

Shih-Chu Chen (*Institute of Service Science, National Tsing Hua University*)
Yen-Han Chang (*Institute of Service Science, National Tsing Hua University*)
Jing-Han Huang (*Institution of Service Science, National Tsing Hua University*)
Ching-Wen Hsu (*Institute of Service Science National Tsing Hua University*)
Chih-Hsuan Lin (*Institute of Service Science, National Tsing Hua University*)
Pei-Yi (Patricia) Kuo (*Institute of Service Science, National Tsing Hua University*)

LBW77: Measuring the User Experience of Vibrotactile Feedback on the Finger, Wrist, and Forearm for Touch Input on Large Displays

Mihail Terenti (*Ștefan cel Mare University of Suceava*)
Radu-Daniel Vatavu (*Ștefan cel Mare University of Suceava*)

LBW78: On Appropriation and Nostalgic Reminiscence of Technology

Fatemeh Alizadeh (*University of Siegen*)
Aikaterini Mniestri (*University of Siegen*)
Alarith Uhde (*University of Siegen*)
Gunnar Stevens (*Hochschule Bonn-Rhein-Sieg, University of Siegen*)

- LBW79: “Sounds like a Cheesy Radio Ad”: Using User Perspectives for Enhancing Digital COVID Vaccine Communication Strategies for Public Health Agencies**
Harsh Kumar (*University of Toronto*)
Taneeza Agrawaal (*University of Toronto*)
Kwan Kiu Choy (*University of Toronto*)
Jiakai Shi (*University of Toronto*)
Joseph Williams (*University of Toronto*)
- LBW80: VisualBubble: Exploring How reflection-oriented User Experiences Affect Users’ Awareness of Their Exposure to Mis-information on Social Media**
Guangyu Chen (*Eindhoven university of technology*)
Paolo Ciuccarelli (*Northeastern University*)
Sara Colombo (*Eindhoven University of Technology*)
- LBW81: Exploring the Role of Local and Global Explanations in Recommender Systems**
Marissa Radensky (*University of Washington*)
Doug Downey (*Allen Institute for Artificial Intelligence, Northwestern University*)
Kyle Lo (*Allen Institute for Artificial Intelligence*)
Zoran Popović (*University of Washington*)
Daniel Weld (*University of Washington, Allen Institute for Artificial Intelligence*)
- LBW82: Investigating the Effects of Different Levels of User Control on the Effectiveness of Context-Aware Recommender Systems for Web-Based Search**
Neha Rani (*University of Florida, University of Florida*)
Sharon Chu (*University of Florida, University of Florida*)
Victoria Rene Mei (*University of Florida*)
- LBW83: Expanding Touch Interaction Capabilities for Smart-rings: An Exploration of Continual Slide and Microroll Gestures**
Anuradha Herath (*University of Manitoba*)
Bradley Rey (*University of Manitoba*)
Sandra Bardot (*University of Manitoba*)
Sawyer Rempel (*University of Manitoba*)
Lucas Audette (*University of Manitoba*)
Huizhe Zheng (*University of Manitoba*)
Jun Li (*Huawei Human Machine Interaction Lab*)
Kevin Fan (*Huawei Technologies Canada*)
Da-Yuan Huang (*Huawei Canada*)
Wei Li (*Huawei Canada*)
Pourang Irani (*University of British Columbia (Okanagan)*)
- LBW84: Accessibility Feedback in Mobile Application Reviews: A Dataset of Reviews and Accessibility Guidelines**
Jose Reyes Arias (*RIT*)
Kale Kurtzhall (*Western Washington University*)
Di Pham (*Western Washington University*)
Mohamed Wiem Mkaouer (*Rochester Institute of Technology*)
Yasmine Elglaly (*Western Washington University*)
- LBW85: Grasping the Grammar with Moovy: a Tangible User Interface to Train Linguistic Skills in Children**
Eleonora Beccalupa (*Università degli Studi di Milano Bicocca, Politecnico di Milano*)
Fabiano Riccardi (*Politecnico di Milano*)
Giulia Bettelli (*University of Milan-Bicocca*)
Lukasz Moskwa (*Politecnico di Milano*)
Mariagiovanna Di Iorio (*Politecnico di Milano*)
Francesco Riccardo Di Gioia (*Università degli Studi di Milano-Bicocca*)
Eleonora Pasqua (*CRC Cura e Ricerca Roma*)
Fabrizio Arosio (*Università degli Studi di Milano-Bicocca*)
Maria Teresa Guasti (*Università degli Studi di Milano-Bicocca*)
Franca Garzotto (*Politecnico di Milano*)

- LBW86: Exploring the Design Space of Headphones as Wearable Public Displays**
Dennis Stanke (*Leibniz University Hannover*)
Pia Brandt (*Leibniz University Hannover*)
Michael Rohs (*Leibniz University Hannover*)
- LBW87: Understanding the Impact of Technical Issues on People's Perception and Attribution of Responsibility in Videoconferencing**
Chi-Lan Yang (*The University of Tokyo*)
Xiaotong Li (*Graduate School of Interdisciplinary Information Studies, The University of Tokyo*)
Takuji Narumi (*the University of Tokyo*)
Hideaki Kuzuoka (*The University of Tokyo*)
- LBW88: If The Map Fits! Exploring Minimaps as Distractors from Non-Euclidean Spaces in Virtual Reality**
Jonas Auda (*University of Duisburg-Essen*)
Uwe Gruenefeld (*University of Duisburg-Essen*)
Stefan Schneegass (*University of Duisburg-Essen*)
- LBW89: AR Music Visualizers: Application Space and Design Guidelines**
Thitaree Tanprasert (*University of British Columbia*)
Dongwook Yoon (*University of British Columbia*)
- LBW90: Accessibility-Related Publication Distribution in HCI Based on a Meta-Analysis**
Mark Colley (*Ulm University*)
Taras Kraenzle (*Ulm University*)
Enrico Rukzio (*University of Ulm*)
- LBW91: Exploring the Effects of AI-assisted Emotional Support Processes in Online Mental Health Community**
Donghoon Shin (*Seoul National University*)
Subeen Park (*Seoul National University*)
Esther Kim (*Seoul National University*)
Soomin Kim (*Seoul National University*)
Jinwook Seo (*Seoul National University*)
Hwajung Hong (*KAIST*)
- LBW92: Terrain Modelling with a Pen & Touch Tablet and Mid-Air Gestures in Virtual Reality**
Fabrice Matulic (*Preferred Networks Inc.*)
Daniel Vogel (*University of Waterloo*)
- LBW93: A Complex Human-Machine Coordination Problem: Essential Constraints on Interaction Control in Bionic Communication Systems**
Konrad Zieliński (*University of Warsaw*)
Joanna Rączaszek-Leonardi (*University of Warsaw*)
- LBW94: The Scent of Collaboration: Exploring the Effect of Smell on Social Interactions**
Siddharth Mehrotra (*Delft University of Technology, RWTH Aachen University*)
Anke Brouckere (*RWTH Aachen University*)
Marianna Obrist (*University College London*)
Jan Borchers (*RWTH Aachen University*)
- LBW95: Multi-modal Conversational Search for People with Intellectual Disability: An Exploratory Study**
Sirinthip Roomkham (*Queensland University of Technology*)
Shannon Terris (*Queensland University of Technology*)
Laurianne Sitbon (*Queensland University of Technology*)
- LBW96: Categorizing Open Government Data Users by Exploring their Challenges and Proficiency**
Fanghui Xiao (*University of Pittsburgh*)
Khushboo Thaker (*University of Pittsburgh*)
Daqing He (*University of Pittsburgh*)

LBW97: A Blockchain Approach to Academic Assessment

sharareh alipour (*Institute for research in fundamental sciences, Tehran institute for advanced studies*)
Sina Elahimanesh (*Sharif University of Technology*)
Soroush Jahanzad (*Sharif University of Technology*)
Parimehr Morassafar (*IPM*)
Seyed Parsa Neshaei (*Sharif university of technology*)

LBW98: Gaze-based Anxiety Sensitive Virtual Social Communication Platform for Individuals with Autism

Pradeep Raj Krishnappa Babu (*Duke University, Indian Institute of Technology Gandhinagar*)
Uttama Lahiri (*IIT Gandhinagar*)

LBW99: Insights From Longitudinal Evaluation of Moodie Mental Health App

Alaa AlSlaity (*Dalhousie University, Dalhousie University*)
Gerry Chan (*Carleton University - School of Information Technology, Carleton University - School of Information Technology*)
Rita Orji (*Dalhousie University, Dalhousie University*)
Richard Wilson (*FeelingMoodie Inc*)

LBW100: Seeking Trustworthy Information on COVID-19: A Qualitative Study with the African American Community

Junhan Kim (*University of Michigan*)
Jana Muhic (*University of Michigan - Ann Arbor*)
Lionel Robert (*University of Michigan*)
Sun Young Park (*University of Michigan*)

LBW101: "Pop-Up Alerts are the Bane of My Existence": Designing Alerts on Cognitive Aids Used in Time-Critical Medical Settings

Angela Mastrianni (*Drexel University*)
Hua Cui (*Drexel University*)
Aleksandra Sarcevic (*Drexel University*)

LBW102: Automated mapping of competitive and collaborative overlapping talk in video meetings.

Eleni Margariti (*Newcastle University, Newcastle University*)
Sean Rintel (*Microsoft Research, Microsoft Research*)
Brendan Murphy (*Microsoft Research, Microsoft Research*)
Abigail Sellen (*Microsoft Research, Microsoft Research*)

LBW103: CareMouse: An Interactive Mouse System that Supports Wrist Stretching Exercises in the Workplace

Gyuwon Jung (*KAIST*)
Youwon Shin (*KAIST*)
Jieun Lim (*KAIST*)
Uichin Lee (*KAIST*)

LBW104: WebTransceiVR: Asymmetrical Communication Between Multiple VR and Non-VR Users Online

Haohua Lyu (*University of California, Berkeley*)
Cyrus Vachha (*University of California, Berkeley*)
Qianyi Chen (*University of California, Berkeley*)
Odysseus Pyrinis (*University of California Berkeley*)
Avery Liou (*University of California, Berkeley*)
Balasarayanan Thoravi Kumaravel (*UC Berkeley*)
Bjoern Hartmann (*UC Berkeley*)

LBW105: Can a Recommender System Support Treatment Personalisation in Digital Mental Health Therapy? A Quantitative Feasibility Assessment Using Data from a Behavioural Activation Therapy App

Robert Lewis (*Massachusetts Institute of Technology*)
Craig Ferguson (*MIT Media Lab*)
Chelsey Wilks (*University of Missouri-St Louis*)
Noah Jones (*Massachusetts Institute of Technology*)
Rosalind Picard (*Massachusetts Institute of Technology*)

LBW106: From-The-Wild: Towards Co-Designing For and From Nature

Ferran Altarriba Bertran (*Tampere University*)

Oğuz 'Oz' Buruk (*Tampere University*)

Juho Hamari (*Tampere University*)

LBW107: Spirituality at the Breakfast Table: Experiences of Christian Online Worship Services

Sara Wolf (*Institute Human-Computer Media, Julius-Maximilians-Universität*)

Frauke Moerike (*Technische Universität Berlin*)

Simon Luthe (*Institute of Protestant Theology and Religious Education, Julius-Maximilians-Universität*)

Ilona Nord (*Institute of Protestant Theology and Religious Education, Julius-Maximilians-Universität*)

Jörn Hurtienne (*Julius-Maximilians-Universität*)

LBW108: Standing out the daily spam: How to catch website owners' attention by means of vulnerability notifications

Anne Hennig (*Karlsruhe Institute of Technology*)

Fabian Neusser (*University of Bamberg*)

Aleksandra Pawelek (*Karlsruhe Institute of Technology*)

Dominik Herrmann (*University of Bamberg*)

Peter Mayer (*Karlsruhe Institute of Technology*)

LBW109: Avatar Interpreter: Improving Classroom Experiences for Deaf and Hard-of-Hearing People Based on Augmented Reality

Le Luo (*Beijing Institute of Technology*)

Dongdong Weng (*Beijing Institute of Technology*)

Guo Songrui (*Changsha Qianbo Information Technology Co., Ltd*)

Ziqi Tu (*Beijing Institute of Technology*)

Jie Hao (*Beijing Institute of Technology*)

LBW110: Will AI Image Synthesis Technology Help Constructivist Education at The Online Art Museum?

Sewang Lee (*Sungkyunkwan University, Sungkyunkwan University*)

Jiyoung Yun (*Korea Advanced Institute of Science and Technology*)

Soyeong Lee (*Sungkyunkwan University, Sungkyunkwan University*)

Yeosol Song (*Sungkyunkwan University*)

Hayeon Song (*Sungkyunkwan University*)

LBW111: Pababy: An Interactive System for First-time Parents to Learn Neonatal Nursing

Jianhui Liu (*Zhejiang University*)

Yijun Zhao (*Zhejiang University*)

Jiadi Wang (*Zhejiang University*)

Chenyi Xie (*Zhejiang University*)

Fangyuan Cheng (*Tongji University*)

Jintao Nie (*Zhejiang University*)

Ge Yan (*Zhejiang University*)

Cheng Yao (*Zhejiang University*)

Leijing Zhou (*Zhejiang University*)

Preben Hansen (*Stockholm University*)

Fangtian Ying (*Zhejiang University*)

Guanyun Wang (*Zhejiang University*)

LBW112: Evaluating Human Impressions of an Initiative-taking Robot

Priscilla Kan John (*Australian National University*)

Xuanying Zhu (*The Australian National University*)

Wan Zhu (*The Australian National University*)

Tom Gedeon (*Curtin University*)

LBW113: Approximating Accessibility of Regions from Incomplete Volunteered Data

Hadi Asghari (*Humboldt Institute for Internet & Society*)

Jakob Stolberg-Larsen (*Humboldt Institute for Internet & Society*)

Theresa Züger (*Humboldt Institute for Internet & Society*)

- LBW114: Styx++: Reliable Data Access and Availability Using a Hybrid Paxos and Chain Replication Protocol**
Ather Sharif (*University of Washington*)
Emilia Gan (*University of Washington*)
Miranda Wei (*University of Washington*)
- LBW115: Designing Augmented Reality Based Interventions to Encourage Physical Activity During Virtual Classes**
Manjul Singh Sachan (*Rochester Institute of Technology*)
Roshan Peiris (*Rochester Institute of Technology*)
- LBW116: Balancing the Augmented Experience: Design Tensions in the Location-based Game Pikmin Bloom**
Samuli Laato (*Tampere University*)
Daniel Fernández Galeote (*Tampere University*)
Ferran Altarriba Bertran (*Tampere University, UC Santa Cruz*)
Juho Hamari (*Tampere University*)
- LBW117: Towards Supporting Intraoperative Coordination and Entrustment in Surgical Faculty-Resident Dyads: Looking Together ≠ Seeing the Same Thing**
Vitaliy Popov (*University of Michigan, University of Michigan*)
Xinyue Chen (*University of Michigan*)
Michael Kemp (*Michigan Medicine*)
Gurjit Sandhu (*Michigan Medicine, University of Michigan*)
Taylor Kantor (*Michigan Medicine*)
Natalie Mateju (*University of Michigan*)
Xu Wang (*University of Michigan*)
- LBW118: Collecting and Reporting Race and Ethnicity Data in HCI: Who and Why?**
Yiqun Chen (*University of Washington, Seattle*)
Angela Smith (*University of Texas at Austin*)
Katharina Reinecke (*University of Washington*)
Alexandra To (*Northeastern University*)
- LBW119: Narrativity, Audience, Legitimacy: Data Practices of Community Organizers**
Lucy Pei (*University of California Irvine*)
Benedict Olgado (*University of California, Irvine, University of the Philippines, Diliman*)
Roderic Crooks (*University of California, Irvine*)
- LBW120: Informal Caregivers Disclose Increasingly More to a Social Robot Over Time**
Guy Laban (*University of Glasgow*)
Val Morrison (*Bangor University*)
Arvid Kappas (*Jacobs University*)
Emily Cross (*University of Glasgow, Macquarie University*)
- LBW121: SoRoCAD: A Design Tool for the Building Blocks of Pneumatic Soft Robotics**
Anke Bocker (*RWTH Aachen University*)
Jakob Strüver (*RWTH Aachen*)
Simon Voelker (*RWTH Aachen University*)
Jan Borchers (*RWTH Aachen University*)
- LBW122: "By the way, what's your name?": The Effect of Robotic Bar-stools on Human-human Opening-encounters**
Ofir Sadka (*Reichman University*)
Alon Jacobi (*Reichman University*)
Andrey Grishko (*Reichman University*)
Udi Lumnitz (*Reichman University*)
Benny Megidish (*Reichman University*)
Hadas Erel (*Reichman University*)
- LBW123: Expectation vs. Experience: Evaluating the Usability of Code Generation Tools Powered by Large Language Models**
Priyan Vaithilingam (*Harvard University*)
Tianyi Zhang (*Purdue University*)

Elena Glassman (*Harvard University*)

LBW124: Social Support in Digital Patronage: OnlyFans Adult Content Creators as an Online Community

Jirassaya Uttarapong (*New Jersey Institute of Technology*)
Ross Bonifacio (*New Jersey Institute of Technology*)
Rae Jereza (*New Jersey Institute of Technology*)
Donghee Yvette Wohn (*New Jersey Institute of Technology*)

LBW125: Can User Reviews Indicate Usability Heuristic Issues?

Lucas do Nascimento Diniz (*Federal University of Ceará*)
José Cezar de Souza (*Federal University of Amazonas*)
Rainara Carvalho (*Federal University of Ceará*)

LBW126: DualVoice: A Speech Interaction Method Using Whisper Voice as Commands

Jun Rekimoto (*The University of Tokyo, Sony CSL Kyoto*)

LBW127: Element: An Ambient Display System for Evoking Self-Reflections and Supporting Social-Interactions in a Workspace

Ya-Liang Chuang (*Eindhoven University of Technology*)
Jose Gallegos Nieto (*Eindhoven University of Technology*)

LBW128: HoloType: Lived Experience Based Communication Training for Nonspeaking Autistic People

Diwakar Krishnamurthy (*University of Calgary*)
Vikram Jaswal (*University of Virginia*)
Ahmadreza Nazari (*University of Calgary*)
Ali Shahidi (*University of Calgary*)
Pranav Subbaraman (*University of Calgary*)
Mea Wang (*University of Calgary*)

LBW129: Combining Spatial and Non-Spatial Sonification for Sound Localization in Virtual Environment: a Subjective Study

Qi Song (*Institute of Software, Chinese Academy of Science, University of Chinese Academy of Science*)
Naiming Yao (*Institute of Software, Chinese Academy of Sciences*)
Zihao Feng (*Beijing Jiaotong University*)
Hui Chen (*Institute of Software, Chinese Academy of Sciences, University of Chinese Academy of Science*)
Hongang Wang (*Institute of Software, Chinese Academy of Sciences, University of Chinese Academy of Science*)

LBW130: Community Resilience: Quantifying the Disruptive Effects of Sudden Spikes in Activity within Online Communities

Jackie Chan (*University of Illinois at Urbana - Champaign*)
Aditi Atreyasa (*Northwestern University*)
Stevie Chancellor (*University of Minnesota*)
Eshwar Chandrasekharan (*University of Illinois at Urbana-Champaign*)

LBW131: Prioritizing UI Items for Bidirectional Design System Development: A Suggested Set of Criteria and its Implementation

Yulia Goldenberg (*Ben Gurion University of the Negev*)
Noam Tractinsky (*Ben-Gurion University of the Negev*)

LBW132: SpiderClip: Towards an Open Source System for Wearable Device Simulation in Virtual Reality

Dirk Queck (*University of Kaiserslautern (TUK)*)
Iannis Albert (*TU Kaiserslautern, University of Bremen*)
Philipp Zimmer (*TU Kaiserslautern*)
Nicole Burkard (*TU Kaiserslautern*)
Georg Volkmar (*University of Bremen*)
Bastian Dänekas (*Universität Bremen*)
Rainer Malaka (*University of Bremen*)
Marc Herrlich (*TU Kaiserslautern, DFKI*)

LBW133: Canoe VR: An Immersive Exergame to Support Cognitive and Physical Exercises of Older Adults

Sukran Karaosmanoglu (*Universität Hamburg*)

Lucie Kruse (*Universität Hamburg*)
Sebastian Rings (*Universität Hamburg*)
Frank Steinicke (*Universität Hamburg*)

LBW134: Improving Mental Health Among Working-Class Indian Women: Insight From An Interview Study

Jaisheen Kour Reen (*Dalhousie University*)
Rita Orji (*Dalhousie University*)

LBW135: Physical Journey Maps: Staging Users' Experiences to Increase Stakeholders' Empathy towards Users

Carine Lallemand (*Eindhoven University of Technology, University of Luxembourg*)
Jessie Lauret (*Eindhoven University of Technology*)
Luce Drouet (*University of Luxembourg*)

LBW136: Inter-brain Synchrony and Eye Gaze Direction During Collaboration in VR

Ihshan Gumilar (*Auckland Bioengineering Institute, University of Auckland*)
Amit Barde (*Auckland Bioengineering Institute, University of Auckland*)
Prasanth Sasikumar (*University of Auckland*)
Mark Billingham (*Auckland Bioengineering Institute, University of South Australia*)
Ashkan Hayati (*University of South Australia*)
Gun Lee (*University of South Australia*)
Yuda Munarko (*The University of Auckland, Universitas Muhammadiyah Malang*)
Sanjit Singh (*Rutgers University*)
Abdul Momin (*Indian Institute of Information Technology Allahabad*)

LBW137: Physicalizing Sustainable Development Goals Data: An Example with SDG 7 (Affordable and Clean Energy)

Rick van Loenhout (*University of Twente*)
Champika Ranasinghe (*University of Twente*)
Auriol Degbelo (*University of Münster*)
Nacir Bouali (*University of Twente*)

LBW138: SLNOM: Exploring the sound of mastication as a behavioral change strategy for tackling rapid eating

Yang Chen (*National University of Singapore*)
Ching Chiuann Yen (*National University of Singapore, National University of Singapore*)

LBW139: Towards Object-oriented Storytelling via 1st and 3rd Person Perspectives

Bo-Han Chen (*National Chiao Tung University, National Chiao Tung University*)
Sai-Keung Wong (*National Yang-Ming Chiao Tung University, National Yang-Ming Chiao Tung University*)
Chien-Yao Huang (*NYCU, NYCU*)

LBW140: AI in Your Mind: Counterbalancing Perceived Agency and Experience in Human-AI Interaction

Angel Hsing-Chi Hwang (*Cornell University*)
Andrea Stevenson Won (*Cornell University*)

LBW141: Nudge for Reflective Mind: Understanding How Accessing Peer Concept Mapping and Commenting Affects Reflection of High-stakes Information

Jingxian Liao (*UC Davis*)
Hao-Chuan Wang (*UC Davis*)

LBW142: Tobe: A Virtual Keyboard and an Animated Character for Individual and Educational Cyberbullying Intervention

Noa Morag Yaar (*Reichman University*)
Eden Grossman (*Reichman University*)
Noam Kimchi (*Media Innovation Lab, School of Communication Reichman University*)
Ofir Nash (*Reichman University*)
Sagi Hatan (*Reichman University*)
Hadas Erel (*Reichman University*)

LBW143: AcousticType: Smartwatch-Enabled Cross-Device Text Entry Method Using Keyboard Acoustics

Ülkü Meteriz-Yıldiran (*University of Central Florida*)

Necip Fazıl Yıldırım (*University of Central Florida*)
David Mohaisen (*University of Central Florida*)

LBW144: Dynamic Robotic Fibers: Liquid Crystal Elastomers for Programmable and Reversible Shape-Changing Behaviors

Amy Winters (*Eindhoven University of Technology*)
Iris Bekkers (*Eindhoven University of Technology*)
Dorsa Nayeb Ghanbar Hosseini (*Eindhoven University of Technology*)
Verindi Vekemans (*Eindhoven University of Technology*)
Samuël Weima (*Eindhoven University of Technology*)
Miguel Bruns (*Eindhoven University of Technology*)

LBW145: Exploring Intervention Strategies for Distracted Students in VR Classrooms

Yu Han (*Beijing Engineering Research Center of Mixed Reality and Advanced Display, Beijing Institute of Technology*)
Yu Miao (*Beijing Engineering Research Center of Mixed Reality and Advanced Display, Beijing Institute of Technology*)
Jie Lu (*Beijing Engineering Research Center of Mixed Reality and Advanced Display, School of Optics and Photonics, Beijing Institute of Technology, Beijing, China, 100081, Beijing Institute of Technology*)
Mei Guo (*Beijing Engineering Research Center of Mixed Reality and Advanced Display, Beijing Institute of Technology*)
Yi Xiao (*Beijing Engineering Research Center of Mixed Reality and Advanced Display, Beijing Institute of Technology*)

LBW146: Gamification Strategies to Improve the Motivation and Performance in Accessibility Information Collection

Akihiro Miyata (*Nihon University*)
Yusaku Murayama (*Nihon University*)
Akihiro Furuta (*Nihon University*)
Kazuki Okugawa (*Nihon University*)
Keihiro Ochiai (*Professional University of Information and Management for Innovation*)
Yuko Murayama (*Tsuda University*)

LBW147: Understanding iOS Privacy Nutrition Labels: An Exploratory Large-Scale Analysis of App Store Data

Yucheng Li (*Carnegie Mellon University*)
Deyuan Chen (*Carnegie Mellon University*)
Tianshi Li (*Carnegie Mellon University*)
Yuvraj Agarwal (*Carnegie Mellon University*)
Lorrie Cranor (*Carnegie Mellon University*)
Jason I. Hong (*Carnegie Mellon University*)

LBW148: #facebookdown: time to panic or detox? Understanding users' reactions to social media outage

Mengqi Liao (*The Pennsylvania State University*)
S. Shyam Sundar (*The Pennsylvania State University*)

LBW149: VRySmart: a Framework for Embedding Smart Devices in Virtual Reality

Akhmajon Makhsadov (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarland University, Saarland Informatics Campus*)
Donald Degraen (*Saarland University, Saarland Informatics Campus, German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus*)
André Zenner (*Saarland University, Saarland Informatics Campus, German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus*)
Felix Kosmalla (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarland University, Saarland Informatics Campus*)
Kamila Mushkina (*Saarland University, Saarland Informatics Campus*)
Antonio Krüger (*German Research Center for Artificial Intelligence (DFKI), Saarland Informatics Campus, Saarland University, Saarland Informatics Campus*)

LBW150: PromptChainer: Chaining Large Language Model Prompts through Visual Programming

Tongshuang Wu (*University of Washington*)
Ellen Jiang (*Google*)
Aaron Donsbach (*Google*)
Jeff Gray (*Google*)
Alejandra Molina (*Google*)
Michael Terry (*Google*)

Carrie Cai (*Google*)

LBW151: TempSeat: Investigating the Suitability of a Heated Car Seat for Feedback Purposes

Patrizia Di Campli San Vito (*University of Glasgow*)

Stephen Brewster (*University of Glasgow*)

LBW152: On How Novices Approach Programming Exercises Before and During Coding

Juan Pablo Saenz (*Politecnico di Torino*)

Luigi De Russis (*Politecnico di Torino*)

LBW153: Are Ambient Intelligence and Augmented Reality Two Sides of the Same Coin? Implications for Human-Computer Interaction

Radu-Daniel Vatavu (*Ștefan cel Mare University of Suceava*)

LBW154: Extracting Handwritten Annotations from Printed Documents Via Infrared Scanning

Andreas Schmid (*University of Regensburg*)

Lorenz Heckelbacher (*University of Regensburg*)

Raphael Wimmer (*University of Regensburg*)

LBW155: Undoing Seamlessness: Exploring Seams for Critical Visualization

Nicole Hengesbach (*Warwick Institute for the Science of Cities*)

LBW156: Crowdworkers' Temporal Flexibility is Being Traded for the Convenience of Requesters Through 19 'Invisible Mechanisms' Employed by Crowdfunding Platforms: A Comparative Analysis Study of Nine Platforms

Laura Lascau (*University College London*)

Sandy Gould (*Cardiff University*)

Duncan Brumby (*University College London*)

Anna Cox (*University College London*)

LBW157: GeneratiVR: Spatial Interactions in Virtual Reality to Explore Generative Design Spaces

Nicholas Jennings (*University of California, Berkeley*)

Ananya Nandy (*University of California, Berkeley*)

Xinyi Zhu (*Master of Design*)

Yuting Wang (*University of California*)

Fanping Sui (*UC Berkeley*)

James Smith (*University of California, Berkeley*)

Bjoern Hartmann (*UC Berkeley*)

LBW158: BoldMove: Enabling IoT Device Control on Ubiquitous Touch Interfaces by Semantic Mapping and Sequential Selection

Tengxiang Zhang (*Chinese Academy of Sciences*)

Xin Zeng (*Chinese Academy of Sciences*)

Yinshuai Zhang (*Dingdao (Beijing) Intelligent Technology Co. Ltd*)

Xin Jiang (*Lenovo Research*)

Xuhai Xu (*University of Washington*)

Anind Dey (*University of Washington*)

Yiqiang Chen (*Chinese Academy of Sciences*)

LBW159: Understanding Crowdsourcing Requesters' Wage Setting Behaviors using Bayesian Growth Curve Modeling

Kotaro Hara (*Singapore Management University*)

Yudai Tanaka (*University of Chicago*)

LBW160: In-cAR Gaming: Exploring the use of AR headsets to Leverage Passenger Travel Environments for Mixed Reality Gameplay

Henry Togwell (*University of Glasgow*)

Mark McGill (*University of Glasgow*)

Graham Wilson (*University of Glasgow*)

Daniel Medeiros (*University of Glasgow*)

Stephen Brewster (*University of Glasgow*)

LBW161: To Flip or Not to Flip: Conformity Effect Across Cultures

Bruce Ferwerda (*Jönköping University*)

Christine Bauer (*Utrecht University*)

LBW162: SipBit: A Sensing Platform to Recognize Beverage Type, Volume, and Sugar Content Using Electrical Impedance Spectroscopy and Deep Learning

Chamath Amarasinghe (*University of Maine*)

Nimesha Ranasinghe (*University of Maine*)

LBW163: Increasing Socio-Spatial Connectedness Among Students: A Location-Based AR Social Media Network Approach

Linda Hirsch (*LMU Munich*)

Ivan Graf von Silva-Tarouca (*LMU Munich*)

Robin Welsch (*LMU Munich*)

LBW164: Empathy in Design Scale: Development and Initial Insights

Luce Drouet (*University of Luxembourg*)

Kerstin Bongard-Blanchy (*University of Luxembourg*)

Vincent Koenig (*University of Luxembourg*)

Carine Lallemand (*University of Luxembourg, Eindhoven University of Technology*)

LBW165: Validity of the Open Card Sorting Method for Producing Website Information Structures

Maria Ntouvaleti (*Aristotle University of Thessaloniki*)

Christos Katsanos (*Aristotle University of Thessaloniki*)

LBW166: Mine Yourself!: A Role-playing Privacy Tutorial in Virtual Reality Environment

Junsu Lim (*Daegu Gyeongbuk Institute of Science and Technology*)

Hyeonggeun Yun (*Agency for Defense Development*)

Auejin Ham (*Korea Advanced Institute of Science and Technology*)

Sunjun Kim (*Daegu Gyeongbuk Institute of Science and Technology (DGIST)*)

LBW167: Remote Communication via Huggable Interfaces - Behavior Synchronization and Social Presence

Eleuda Nunez (*University of Tsukuba*)

Masakazu Hirokawa (*University of Tsukuba*)

Ari Hautasaari (*The University of Tokyo*)

Kenji Suzuki (*University of Tsukuba*)

LBW168: Co-existing With a Drone: Using Virtual Reality to Investigate the Effect of the Drone's Height and Cover Story on Proxemic Behaviours

Robin Bretin (*University of Glasgow*)

Emily Cross (*University of Glasgow*)

Mohamed Khamis (*University of Glasgow*)

LBW169: Are You Tired? I am: Trying to Understand Privacy Fatigue of Social Media Users

Han Shao (*Renmin University of China, Renmin University of China*)

Xiang Li (*Renmin university of china, Renmin university of china*)

Guodi Wang (*Beijing University of Technology, Beijing University of Technology*)

LBW170: Assessing the Spatial Distribution of Visual Attention in a Virtual Environment: Development and Validation of a Novel VR-based Attentional Visual Field (AVF) Task

Daxton Mitchell (*Texas Tech University*)

HeeSun Choi (*Texas Tech University*)

LBW171: Ukemochi: A Video See-through Food Overlay System for Eating Experience in the Metaverse

Kizashi Nakano (*Nara Institute of Science and Technology*)

Daichi Horita (*The University of Tokyo*)

Naoya Isoyama (*Nara Institute of Science and Technology*)

Hideaki Uchiyama (*Nara Institute of Science and Technology*)
Kiyoshi Kiyokawa (*Nara Institute of Science and Technology*)

LBW172: A Network-Based, Multidisciplinary Approach to Intention Inference

Lihl Idan (*Yale university*)

LBW173: Virfie: Virtual Group Selfie Station for Remote Togetherness

Hyerin Im (*KAIST*)
Taewan Kim (*KAIST*)
Eunhee Jung (*KAIST*)
bonhee ku (*Korea Advanced Institute of Science and Technology*)
Seungho Baek (*Korea Advanced Institute of Science and Technology*)
Tak Yeon Lee (*KAIST*)

LBW174: "Reality Anchors": Bringing Cues from Reality into VR on Public Transport to Alleviate Safety and Comfort Concerns

Laura Bajorunaite (*University of Glasgow*)
Stephen Brewster (*University of Glasgow*)
Julie Williamson (*University of Glasgow*)

LBW175: "Ask yourself WHY you want to track yourself": Co-Designing a Self-Tracking Guide with Teenagers

Jaimie Freeman (*University of Oxford*)
Amanda Curtis (*University of Oxford*)

LBW176: The Subjectivities of Wearable Sleep-Trackers - A Discourse Analysis

Anna Nagele (*Queen Mary University of London*)
Julian Hough (*Queen Mary University of London*)
Zara Dinnen (*Queen Mary University of London*)

LBW177: Battling Bias in Primary Care Encounters: Informatics Designs to Support Clinicians

Lisa Dirks (*University of Washington*)
Erin Beneteau (*University of Washington*)
Janice Sabin (*University of Washington*)
Wanda Pratt (*University of Washington*)
Cezanne Lane (*University of Washington*)
Emily Bascom (*University of Washington*)
Reggie Casanova-Perez (*University of Washington*)
Naba Rizvi (*University of California, San Diego*)
Nadir Weibel (*UC San Diego*)
Andrea Hartzler (*University of Washington*)

LBW178: Travelogue: Representing Indoor Trajectories as Informative Art

Yunzhi Li (*Carnegie Mellon University*)
Tingyu Cheng (*Interactive Computing*)
Ashutosh Dhekne (*Georgia Institute of Technology*)

LBW179: Exploring eSports Spectator Motivations

Wen Bo Yu (*University of Ontario Institute of Technology*)
Nicole Beres (*University of Saskatchewan*)
Raquel Robinson (*University of Saskatchewan*)
Madison Klarkowski (*University of Saskatchewan*)
Pejman Mirza-Babaei (*University of Ontario Institute of Technology*)

LBW180: Everywhere Cursor: Extending Desktop Mouse Interaction into Spatial Augmented Reality

Daekun Kim (*University of Waterloo*)
Daniel Vogel (*University of Waterloo, University of Waterloo*)

LBW181: "Sometimes I feel that I'm being left behind": Exploring Computing Device Use by People with Upper Extremity Impairment During the COVID-19 Pandemic

Brittany Lewis (*University of Rhode Island*)
Paige Courtemanche (*The University of Rhode Island*)
Krishna Venkatasubramanian (*University of Rhode Island*)

LBW182: How Humans Perceive Human-like Behavior in Video Game Navigation

Evelyn Zuniga (*Microsoft Research*)
Stephanie Milani (*Carnegie Mellon University*)
Guy Leroy (*Microsoft Research*)
Jaroslaw Rzepecki (*Monumo*)
Raluca Georgescu (*Microsoft Research*)
Ida Momennejad (*Microsoft Research*)
Dave Bignell (*Microsoft Research*)
Mingfei Sun (*Microsoft Research*)
Alison Shaw (*Ninja Theory*)
Gavin Costello (*Ninja Theory*)
Mikhail Jacob (*Resolution Games*)
Sam Devlin (*Microsoft Research*)
Katja Hofmann (*Microsoft*)

LBW183: Towards Conversationally Intelligent Dialog Systems

Jennifer Smith (*SRI International*)
Aaron Spaulding (*SRI International*)
Harry Bratt (*SRI International*)
Dimitra Vergyri (*SRI International*)
Girish Acharya (*SRI International*)
Kristin Precoda (*SRI International*)
Andreas Kathol (*SRI International*)
Colleen Richey (*SRI International*)

LBW184: Face-Centered Spatial User Interfaces on Smartwatches

Marium-E- Jannat (*University of British Columbia*)
Thuan Vo (*The University of British Columbia Okanagan*)
Khalad Hasan (*University of British Columbia*)

LBW185: Living Documents: Designing for User Agency over Automated Text Summarization

Iyadunni Adenuga (*Pennsylvania State University*)
Benjamin Hanrahan (*Pennsylvania State University*)
Chen Wu (*Pennsylvania State University*)
Prasenjit Mitra (*The Pennsylvania State University*)

LBW186: Exploring Technology Usage Of Southeast Asian Elderly Women For Better Mental Health During COVID-19 Pandemic

Tamanna Motahar (*University of Utah*)
Nova Ahmed (*North South University*)

LBW187: MobileTutAR: a Lightweight Augmented Reality Tutorial System using Spatially Situated Human Segmentation Videos

Yuanzhi Cao (*PTC*)
Anna Fuste (*PTC*)
Valentin Heun (*PTC*)

LBW188: Visualizing Uncertainty in Multi-Source Mental Health Data

Michael Hoefer (*University of Colorado Boulder*)
Bryce Schumacher (*University of Colorado Boulder*)
Danielle Szafir (*University of North Carolina-Chapel Hill*)
Stephen Volda (*University of Colorado Boulder*)

LBW189: Acupuncture: Real Time Acupoint Stimulation To Mediate The Urge To Smoke.

Katarina Richter-Lunn (*Harvard University*)
Ila Kumar (*MIT*)

- LBW190: Open5x: Accessible 5-axis 3D printing and conformal slicing**
Freddie Hong (*Imperial College London*)
Steve Hodges (*Microsoft Research*)
Connor Myant (*Imperial College London*)
David Boyle (*Imperial College London*)
- LBW191: Prospective Consent: The Effect of Framing on Cookie Consent Decisions**
Eryn Ma (*Pomona College*)
Eleanor Birrell (*Pomona College*)
- LBW192: Demonstration of VRBubble: Enhancing Peripheral Avatar Awareness for People with Visual Impairments in Social Virtual Reality**
Tiger Ji (*University of Wisconsin - Madison*)
Brianna Cochran (*University of Wisconsin - Madison*)
Yuhang Zhao (*University of Wisconsin-Madison*)
- LBW193: Prescriptive and Descriptive Approaches to Machine-Learning Transparency**
David Adkins (*Meta AI*)
Bilal Alsallakh (*Meta AI*)
Adeel Cheema (*Meta AI*)
Narine Kokhlikyan (*Meta AI*)
Emily McReynolds (*Meta AI*)
Pushkar Mishra (*Meta AI*)
Chavez Procope (*Meta AI*)
Jeremy Sawruk (*Meta AI*)
Erin (Yulin) Wang (*Meta AI*)
Polina Zvyagina (*Meta AI*)
- LBW194: Authoring Virtual Peer Interactions for Lecture Videos**
Thitaree Tanprasert (*University of British Columbia*)
Sidney Fels (*University of British Columbia*)
Luanne Sinnamon (*University of British Columbia*)
Dongwook Yoon (*University of British Columbia*)
- LBW195: The Candy Workshop: Supporting Rich Sensory Modalities in Constructive Data Physicalization**
Carine Lallemand (*Eindhoven University of Technology, University of Luxembourg*)
Maud Oomen (*Eindhoven University of Technology*)
- LBW196: Understanding Smartphone Notifications' Activity Disruption via In Situ Wrist Motion Monitoring**
Pascal Fortin (*McGill University*)
Jeremy Cooperstock (*McGill University*)
- LBW197: E-ScooterAR: Exploring Unimodal Warnings for E-Scooter Riders in Augmented Reality**
Andrii Matviienko (*Technical University of Darmstadt*)
Florian Müller (*LMU Munich*)
Dominik Schön (*TU Darmstadt*)
Régis Fayard (*Technical University of Darmstadt*)
Salar Abaspor (*Technical University of Darmstadt*)
Yi Li (*Technical University of Darmstadt*)
Max Mühlhäuser (*TU Darmstadt*)
- LBW198: How to Train a (Bad) Algorithmic Caseworker: A Quantitative Deconstruction of Risk Assessments in Child Welfare**
Devansh Saxena (*Marquette University*)
Charles Repaci (*Washington University in St. Louis*)
Melanie Sage (*University at Buffalo*)
Shion Guha (*University of Toronto*)
- LBW199: NeurTEx: A Neural Framework for Template Extraction from Flat Images**
Vinay Aggarwal (*Google*)

Praneetha Vaddamanu (*Adobe Research*)
Bhanu Prakash Reddy Guda (*Carnegie Mellon University*)
Balaji Vasan Srinivasan (*Adobe Systems India Pvt Ltd*)
Niyati Chhaya (*Adobe Systems*)
Vishwa Vinay (*Adobe Research*)

LBW200: “How much connection did you get?” Drinking Journaling Data through Hot Cocoa

Keming Gao (*University of California, Berkeley*)
Joanne Ma (*University of California, Berkeley*)
Julia Wang (*University of California, Berkeley*)
Clarissa Wu (*University of California Berkeley*)

LBW201: Community, Culture, and Capital: Exploring the Financial Practices of Older Hong Kong Immigrants

Nicole Tang (*University of Toronto*)
Priyank Chandra (*University of Toronto*)

LBW202: Characterizing and Predicting Engagement of Blind and Low-Vision People with an Audio-Based Navigation App

Tiffany Liu (*Stanford University*)
Javier Hernandez (*Microsoft Research*)
Mar Gonzalez-Franco (*Microsoft Research*)
Antonella Maselli (*Institute of Cognitive Sciences and Technologies*)
Melanie Kneisel (*Microsoft Research*)
Adam Glass (*Microsoft Research*)
Jarnail Chudge (*Microsoft Research*)
Amos Miller (*Microsoft Research*)

LBW203: Ability-based Keyboards for Augmentative and Alternative Communication: Understanding How Individuals’ Movement Patterns Translate to More Efficient Keyboards

Claire Mitchell (*Delsys and Altec, Inc.*)
Gabriel Cler (*University of Washington*)
Susan Fager (*Madonna Rehabilitation Hospital*)
Paola Contessa (*Delsys and Altec, Inc.*)
Serge Roy (*Delsys and Altec, Inc.*)
Gianluca De Luca (*Delsys and Altec, Inc.*)
Joshua Kline (*Delsys and Altec, Inc.*)
Jennifer Vojtech (*Delsys, Inc. and Altec, Inc.*)

LBW204: VR-Based Kinematic Assessments: Examining the Effects of Task Properties on Arm Movement Kinematics

Logan Clark (*University of Virginia*)
Sara Riggs (*University of Virginia*)

LBW205: Should Siri be a Source or Medium for Ads? The Role of Source Orientation and User Motivations in Response to Persuasive Content from Voice Assistants

Eugene Cho (*The College of New Jersey*)
S. Shyam Sundar (*The Pennsylvania State University*)

LBW206: “Where did you first meet the owner?” – Exploring Usable Authentication for Smart Home Visitors

Sarah Prange (*Bundeswehr University Munich, LMU Munich*)
Sarah Delgado Rodriguez (*Bundeswehr University Munich*)
Timo Döding (*LMU Munich*)
Florian Alt (*Bundeswehr University Munich*)

LBW207: Climb-o-Vision: A Computer Vision Driven Sensory Substitution Device for Rock Climbing

Mike Richardson (*University of Bath*)
Karin Petrini (*University of Bath*)
Michael Proulx (*University of Bath*)

LBW208: Exploring the Effects of Interactive Dialogue in Improving User Control for Explainable Online Symptom Checkers

Yuan Sun (*The Pennsylvania State University*)

S. Shyam Sundar (*The Pennsylvania State University*)

LBW209: Understanding User Mental Models Through App Sketches from Memory

Steven Schirra (*Google, Inc.*)

Shraddha Narasimha (*Google, Inc.*)

Sasha Volkov (*Google, Inc.*)

Justin Owens (*Google, Inc.*)

LBW210: QuAD: Deep-Learning Assisted Qualitative Data Analysis with Affinity Diagrams

Ariel Goldman (*Barnard College*)

Cindy Espinosa (*Barnard College*)

Shivani Patel (*Columbia University*)

Francesca Cavuoti (*Columbia University*)

Jade Chen (*Columbia University*)

Alexandra Cheng (*Barnard College*)

Sabrina Meng (*Barnard College*)

Aditi Patil (*Columbia University*)

Lydia Chilton (*Columbia University*)

Sarah Morrison-Smith (*Barnard College*)

LBW211: StoryBox: Independent Multi-modal Interactive Storytelling for Children with Visual Impairment

Bhavya Chopra (*Indraprastha Institute of Information Technology, Delhi*)

Richa Gupta (*Indraprastha Institute of Information Technology Delhi*)

LBW212: Caring about Content about Care: Building Quality Content with Clinicians

Renee Noortman (*Eindhoven University of Technology, Philips Experience Design*)

Peter Lovei (*Philips, Eindhoven University of Technology*)

Mathias Funk (*Eindhoven University of Technology, Eindhoven Artificial Intelligence Systems Institute*)

LBW213: Development and Preliminary Validation of the Enjoyment Questionnaire and the Sources of Enjoyment Questionnaire

Owen Schaffer (*Bradley University*)

LBW214: "Alexa, Do You Want to Build a Snowman?" Characterizing Playful Requests to Conversational Agents

Chen Shani (*The Hebrew University*)

Alexander Libov (*Amazon*)

Sofia Tolmach (*Amazon*)

Liane Lewin-Eytan (*Amazon*)

Yoelle Maarek (*Amazon*)

Dafna Shahaf (*The Hebrew University of Jerusalem*)

LBW215: Detecting challenge from physiological signals: A primary study with a typical game scenario

Xiaolan Peng (*University of Chinese Academy of Sciences, Institute of software, Chinese Academy of Sciences*)

Chenyu Meng (*Institute of Software Chinese Academy of Sciences*)

Xurong Xie (*Institute of Software, Chinese Academy of Sciences, Beijing, China*)

Jin Huang (*Chinese Academy of Sciences*)

Hui Chen (*Institute of Software, Chinese Academy of Sciences*)

Hongan Wang (*Institute of Software, Chinese Academy of Sciences*)

LBW216: Effect of Contact Points Feedback on Two-Thumb Touch Typing in Virtual Reality

Jeongmin Son (*KAIST*)

Sunggeun Ahn (*KAIST*)

Sunbum Kim (*School of Computing, KAIST*)

Geehyuk Lee (*School of Computing, KAIST*)

LBW217: Wizard of Errors: Introducing and Evaluating Machine Learning Errors in Wizard of Oz Studies

Anniek Jansen (*Eindhoven University of Technology*)

Sara Colombo (*Eindhoven University of Technology*)

- LBW218: Tangible Version Control: Exploring a Physical Object's Alternative Versions**
Maximilian Letter (*Berlin University of Applied Sciences and Technology*)
Katrin Wolf (*Beuth University of Applied Sciences*)
- LBW219: ThinkWrite: Design Interventions for Empowering User Deliberation in Online Petition**
Jini Kim (*KAIST*)
Chorong Kim (*KAIST*)
Ki-Young Nam (*KAIST*)
- LBW220: Watch Your Flavors: Augmenting People's Flavor Perceptions and Associated Emotions based on Videos Watched while Eating**
Meetha Nesam James (*University of Maine*)
Nimesha Ranasinghe (*University of Maine*)
Anthony Tang (*University of Toronto*)
Lora Oehlberg (*University of Calgary*)
- LBW221: On the Impact of Competitive Gameplay on Text Entry Performance - A Study Based on a Mobile Typing Game**
Christoph Wimmer (*TU Wien*)
Bernd Stainer (*TU Wien*)
Thomas Grechenig (*TU Wien*)
- LBW222: Teachers' Perspective on Artificial Intelligence Education: an Initial Investigation**
Sara Polak (*University of Trento, Fondazione Bruno Kessler*)
Gianluca Schiavo (*Fondazione Bruno Kessler*)
Massimo Zancanaro (*University of Trento, Fondazione Bruno Kessler (FBK)*)
- LBW223: MoodTurner: A Self-Tracking Smart Jewellery to Support Awareness and Reflection in Sensory Processing Sensitivity Self-Care**
Maysoon Al-quaran (*University of Twente*)
Dominique Geißler (*University of Twente*)
Ceri Kamoen (*University of Twente*)
Nathalie Overdeest (*University of Twente*)
Marijke van Lune (*University of Twente*)
Iris Weijers (*University of Twente*)
Ruben Gouveia (*University of Twente*)
- LBW224: ONYX - User Interfaces for Assisting in Interactive Task Learning for Natural Language Interfaces of Data Visualization Tools**
Marcel Ruoff (*Karlsruhe Institute of Technology (KIT)*)
Brad Myers (*Carnegie Mellon University*)
Alexander Maedche (*Karlsruhe Institute of Technology (KIT)*)
- LBW225: Designing Non-Verbal Humorous Gestures for a Non-Humanoid Robot**
Viva Press (*Reichman University*)
Hadas Erel (*Reichman University*)
- LBW226: Pneumatic Auxetics: Inverse design and 3D printing of auxetic pattern for pneumatic morphing**
Soya Eguchi (*Keio University*)
Claire Okabe (*Keio University*)
Mai Ohira (*Keio University*)
Hiroya Tanaka (*Keio University*)
- LBW227: Towards Balancing Real-World Awareness and VR Immersion in Mobile VR**
Jingyi Li (*LMU Munich*)
Filippe Frulli (*LMU Munich*)
Stella Clarke (*BMW Group*)
Andreas Butz (*LMU Munich*)

- LBW228: Nice is Different than Good: Longitudinal Communicative Effects of Realistic and Cartoon Avatars in Real Mixed Reality Work Meetings**
Georgiana Cristina Dobre (*Goldsmiths, University of London*)
Marta Wilczkowiak (*Microsoft*)
Marco Gillies (*Goldsmiths, University of London*)
Xueni Pan (*Goldsmiths*)
Sean Rintel (*Microsoft Research*)
- LBW229: A Game of Dark Patterns: Designing Healthy, Highly-Engaging Mobile Games**
Jacob Aagaard (*Technical University of Denmark, IT Minds ApS*)
Miria Emma Clausen Knudsen (*Technical University of Denmark*)
Per Bækgaard (*Technical University of Denmark*)
Kevin Doherty (*Technical University of Denmark*)
- LBW230: Generating Embodied Storytelling and Interactive Experience of China Intangible Cultural Heritage “Hua’er” in Virtual Reality**
Zixiao Liu (*Beihang University*)
Shuo Yan (*Beihang University, Beihang University*)
Yu Lu (*Beihang University*)
Yuetong Zhao (*Beihang University*)
- LBW231: User-Centered Property Adjustment with Programmable Filament**
QIAN LU (*Texas A&M University*)
Aryabhat Darnal (*Texas A&M University*)
Haruki Takahashi (*Meiji University*)
Anastasia Hanifah Muliana (*Texas A&M University*)
Jeeun Kim (*Texas A&M University*)
- LBW232: The Feet in Human-Centred Security: Investigating Foot-Based User Authentication for Public Displays**
Kieran Watson (*University of Glasgow*)
Robin Bretin (*University of Glasgow*)
Mohamed Khamis (*University of Glasgow*)
Florian Mathis (*University of Glasgow, University of Edinburgh*)
- LBW233: “If Alexa knew the state I was in, it would cry”: Older Adults’ Perspectives of Voice Assistants for Health**
Robin Brewer (*University of Michigan*)
- LBW234: Variapsody: Creating Three Interactive Music Listening Experiences that Use Diversified Positive Emotion Regulation Strategies to Promote Subjective Well-being**
Majed Bou Ghanem (*Rhode Island School of Design*)
Jungkyoon Yoon (*Cornell University*)
- LBW235: Designing for Families as Adaptive Systems: Collaborative Emotional Support and Resilience in the Children’s Hospital**
Sarah Nikkhah (*IU School of Informatics and Computing at IUPUI (Indiana University Purdue University Indianapolis)*)
Akash Uday Rode (*IU School of Informatics and Computing at IUPUI (Indiana University Purdue University Indianapolis)*)
Neha Keshav Kulkarni (*IU School of Informatics and Computing at IUPUI (Indiana University Purdue University Indianapolis)*)
Priyanjali Mittal (*IU School of Informatics and Computing at IUPUI (Indiana University Purdue University Indianapolis)*)
Emily Mueller (*Indiana University*)
Andrew Miller (*IUPUI (Indiana University Purdue University Indianapolis)*)
- LBW236: RaITIn: Radar Based Identification for Tangible Interactions**
Tamil Selvan Gunasekaran (*The University of Auckland*)
Ryo Hajika (*The University of Auckland*)
Yun Suen Pai (*Keio University Graduate School of Media Design*)
Eiji Hayashi (*Google*)
Mark Billingham (*The University of Auckland*)

- LBW237: Auditory and Olfactory Stimuli-Based Attractors to Induce Reorientation in Virtual Reality Forward Redirected Walking**
Jieun Lee (*Gwangju Institute of Science and Technology*)
Seokhyun Hwang (*Gwangju Institute of Science and Technology*)
Kyunghwan Kim (*Gwangju Institute of Science and Technology (GIST)*)
SeungJun Kim (*Gwangju Institute of Science and Technology*)
- LBW238: Stranger Screens: Exploring the Application Themes for Interactive Freeform Devices**
Marcos Serrano (*IRIT - Elipse*)
Andrés Lucero (*Aalto University*)
Pourang Irani (*University of Manitoba*)
Anne Roudaut (*University of Bristol*)
- LBW239: How do Users Expect their Smart Memory Vaults to Utilize Their Shared Memories?**
Passant ELAgroudy (*LMU Munich*)
Mennatallah Saleh (*Hamm-Lippstadt University of Applied Science, Technical University in Berlin*)
Christian Sturm (*Hamm-Lippstadt University of Applied Sciences*)
Albrecht Schmidt (*LMU Munich*)
- LBW240: MindYoga: Scaffolding the Metacognitive Reflection Process within Learning Ecosystems**
Molly Pribble (*Northwestern University*)
Neha Sharma (*Northwestern University*)
Haoqi Zhang (*Northwestern University*)
Leesha Shah (*Northwestern University*)
- LBW241: Let's Talk @Clubhouse: Exploring Voice-Centered Social Media Platform and its Opportunities, Challenges, and Design Guidelines**
Kyuha Jung (*Seoul National University*)
Yoobin Park (*Seoul National University*)
Hanwool Kim (*Seoul National University*)
Joonhwan Lee (*Seoul National University*)
- LBW242: Accessing Intimate Interactions: Investigating the need for More Inclusive Sex Education Resources**
Giulia Barbareschi (*University College London, Keio Graduate School of Media Design*)
Zhouzhe Wu (*Global Disability Innovation Hub*)
- LBW243: EyeMeet: A Joint Attention Support System for Remote Meetings**
Moritz Langner (*Karlsruhe Institute of Technology (KIT)*)
Peyman Toreini (*Karlsruhe Institute of Technology*)
Alexander Maedche (*Karlsruhe Institute of Technology (KIT)*)
- LBW244: MultiFingerBubble: A 3D Bubble Cursor Variation for Dense Environments**
William Delamare (*ESTIA*)
Maxime Daniel (*ESTIA*)
Khalad Hasan (*University of British Columbia*)
- LBW245: Towards Enhancing Empathy Through Emotion Augmented Remote Communication**
Camilo Rojas (*MIT*)
Eugenio Zuccarelli (*MIT*)
Alexandra Chin (*Wellesley College*)
Gaurav Patekar (*Massachusetts Institute of Technology*)
David Esquivel (*Instituto Tecnológico de Costa Rica*)
Pattie Maes (*MIT Media Lab*)
- LBW246: Exploring Open Parliament Initiatives in Ecuador Through Technology**
Gonzalo Méndez (*Escuela Superior Politécnica del Litoral*)
Katherine Chiluiza (*Escuela Superior Politécnica del Litoral*)
Javier Tibau (*Escuela Superior Politecnica del Litoral*)
Vanessa Cedeno-Mieles (*Escuela Superior Politecnica del Litoral, ESPOL*)

Oscar Moreno (*Escuela Superior Politecnica del Litoral*)
Miguel Murillo (*Escuela Superior Politecnica del Litoral*)
Marisol Wong-Villacres (*Escuela Superior Politécnica del Litoral*)

LBW247: Empathic vehicle design: Use cases and design directions from two workshops

Chihab Nadri (*Virginia Tech*)
Ignacio Alvarez (*Intel Labs*)
Esther Bosch (*German Aerospace Centre (DLR)*)
Michael Oehl (*German Aerospace Center (DLR)*)
Michael Braun (*BMW Group Research, New Technologies, Innovations*)
Jennifer Healey (*Adobe Research*)
Christophe JALLAIS (*IFSTTAR*)
Wendy Ju (*Cornell Tech*)
Jingyi Li (*LMU Munich*)
Myounghoon Jeon (*Virginia Tech*)

LBW248: CamFi: An AI-driven and Camera-based System for Assisting Users in Finding Lost Objects in Multi-Person Scenarios

Ge Yan (*Zhejiang University*)
Chao Zhang (*Zhejiang University*)
Jiadi Wang (*Zhejiang University*)
Zheng Xu (*School of Computer Science and Technology*)
Jianhui Liu (*Zhejiang University*)
Jintao Nie (*Zhejiang University*)
Fangtian Ying (*Hubei University of Technology*)
Cheng Yao (*Zhejiang University*)

LBW249: Dancing with the Avatars: Feedforward Learning from Self-Avatars

Isabel Fitton (*University of Bath*)
Jeremy Dalton (*PwC*)
Michael Proulx (*University of Bath*)
Christof Lutteroth (*University of Bath*)

LBW250: Who Will Support My Project? Interactive Search of Potential Crowdfunding Investors Through inSearch

Songheng Zhang (*Singapore Management University*)
Yong Wang (*Singapore Management University*)
Haotian Li (*The Hong Kong University of Science and Technology, Singapore Management University*)
Wanyu Zhang (*ByteDance Ltd*)

LBW251: A Collaborative System of Flying and Ground Robots with Universal Physical Coupling Interface (PCI), and the Potential Interactive Applications

Ziming Wang (*Chalmers University of Technology, University of Luxembourg*)
Ziyi Hu (*Chalmers University of Technology*)
Yemao Man (*ABB Corporate Research*)
Morten Fjeld (*Chalmers University of Technology, University of Bergen*)

LBW252: Evolution of the Competencies to Embrace Digital Technology for Sustainable Development

Natalia Dneprovskaya (*HSE University*)
Sang-Baek Kang (*National Health Insurance Service*)
Inessa Shevtsova (*Lomonosov Moscow State University*)

LBW253: Fontana: Triggering Physical Activity and Social Connectedness through an Interactive Water Installation

Loes van Renswouw (*Eindhoven University of Technology*)
Yvonne van Hamersveld (*Eindhoven University of Technology*)
Hugo Huibers (*Eindhoven University of Technology*)
Steven Vos (*Eindhoven University of Technology, Fontys University of Applied Sciences*)
Carine Lallemand (*Eindhoven University of Technology, University of Luxembourg*)

LBW254: An Interactive Car Drawing System with Tick'n'Draw for Training Perceptual and Perspective Drawing Skills

Seung-Jun Lee (*KAIST, KAIST*)

Joon Hyub Lee (*KAIST, KAIST*)
Seok-Hyung Bae (*KAIST, KAIST*)

LBW255: LEGO Serious Play in HRI Research: Results of a Pilot Imagining Robotic Care

Stevienna de Saille (*University of Sheffield*)
David Cameron (*The University of Sheffield*)
Amanda Sharkey (*University of Sheffield*)

LBW256: Moody Man: Improving creative teamwork through dynamic affective recognition

Mimi Nguyen (*Imperial College London*)
Milad Laly (*Coventry University*)
Bum Chul Kwon (*IBM Research*)
Celine Mougnot (*Imperia College London*)

LBW257: LoFi Sketch: A Large Scale Dataset of Smartphone Low Fidelity Sketches

Vinoth Pandian Sermuga Pandian (*RWTH Aachen University*)
Abdullah Shams (*RWTH Aachen University*)
Sarah Suleri (*RWTH Aachen University*)
Prof. Dr. Matthias Jarke (*RWTH Aachen University*)

LBW258: Low-effort User Authentication for Kiosk Systems based on Smartphone User's Gripping Hand Geometry

Ruxin Wang (*Louisiana State University*)
Kaitlyn Madden (*Louisiana State University*)
Chen Wang (*Louisiana State University*)

Student Research Competition

SRC01: Hoomie Sweet Home: A Qualitative Study on the Small Multisensory Space "Hoomie" for Inclusion of Autistic Kids in a Primary School

Irene Zanardi (*Politecnico di Milano*)

SRC02: The Effect of Multiple Replies for Natural Language Generation Chatbots

Eason Chen (*National Taiwan Normal University*)

SRC03: Investigation into a Self-Management App for People with Postural Tachycardia Syndrome (POTS)

Jessica Mead (*University of Sussex, University of Bath*)

SRC04: Climate Resiliency Through Data: Managing Stormwater Sewers in Detroit

Jacquelyn Schmidt (*University of Michigan*)

SRC05: The Emotional Impact of Multi-Factor Authentication for University Students

Davis Arnold (*Abilene Christian University*)
Benjamin Blackmon (*Abilene Christian University*)
Brendan Gipson (*Abilene Christian University*)
Anthony Moncivais (*Abilene Christian University*)
Garrett Powell (*Abilene Christian University*)
Megan Skeen (*Abilene Christian University*)
Michael Thorson (*Abilene Christian University*)
Nathan Wade (*Abilene Christian University*)

SRC06: Knowledge Maps for Building Conceptual and Transferable CSS Knowledge

Roxanna Wilcox (*Northwestern University*)
Fardeem Munir (*Northwestern University*)

SRC07: Self-Disclosure for Early Relationship Development through Situated Prompts in Opportunistic Collective Experiences

Cindy Hu (*Northwestern University*)

SRC08: Ideomotor Principle as a Human-Robot Communication Method during Collaborative Work
Lena Guinot (*Department of Modern Mechanical Engineering, Waseda University*)

SRC09: Interactive Research Artifacts: Interactive Technologies as Tools for Knowledge Creation
Amanda Curtis (*University of Oxford*)

Student Game Competition

SGC01: ESsense - An Electrostatic Sensor System For Simple Motion Control In Games
Joseph Liew (*National University of Singapore*)
Keng Wei Ng (*National University of Singapore*)

SGC02: Play With Your Emotions: Exploring Possibilities of Emotions as Game Input in NERO
Valérie Erb (*KAIST*)
Tatiana Chibisova (*KAIST*)
Haesoo Kim (*KAIST*)
Jeongmi Lee (*KAIST*)
Young Yim Doh (*KAIST*)

SGC03: Classy Trash Monster: An Educational Game for Teaching Machine Learning to Non-major Students
Joonhyung Bae (*Korea Advanced Institute of Science and Technology*)
Karam Eum (*Korea Advanced Institute of Science and Technology*)
Haram Kwon (*Korea Advanced Institute of Science and Technology*)
Seolhee Lee (*Korea Advanced Institute of Science and Technology*)
Juhan Nam (*Korea Advanced Institute of Science and Technology*)
Young Yim Doh (*Korea Advanced Institute of Science and Technology*)

SGC04: Persephone's Feet: A Foot-Based Approach to Play in Virtual Reality
Jihae Han (*KU Leuven*)
Adalberto Simeone (*KU Leuven*)

SGC05: The Melody of the Mysterious Stones: A VR Mindfulness Game Using Sound Spatialization
Haven Kim (*KAIST*)
Jaeran Choi (*KAIST*)
Young Yim Doh (*KAIST*)
Juhan Nam (*KAIST*)

SGC06: MusicTongue: A Tongue-Training Exergame Design for the Elder
Chia-Hsu Huang (*National Taipei University of Technology, Taipei Tech*)
Kuei-Ru Chou (*Taipei Medical University,*)
Ko-Chiu Wu (*National Taipei University of Technology, Taipei Tech*)

SGC07: Evoker: Narrative-based Facial Expression Game for Emotional Development of Adolescents
Seokhyeon Hong (*Graduate School of Culture Technology, Korea Advanced Institute of Science and Technology*)
Yeonsoo Choi (*Korea Advanced Institute of Science and Technology*)
Youjin Sung (*Korea Advanced Institute of Science and Technology*)
YURHEE JIN (*Korea Advanced Institute of Science and Technology*)
Young Yim Doh (*Korea Advanced Institute of Science and Technology*)
Jeongmi Lee (*KAIST*)

Student Design Competition

SDC01: VolunteerSpot: Helping Connect Organizations in Need of Help With Those Seeking to Give

Rachel Dennis (*James Madison University*)
Dania Najjar (*James Madison University*)
Melody Haak (*James Madison University*)
Rachel Miller (*James Madison University*)

SDC02: GoGratitude: Using Augmented Reality to Inspire Gratitude

Benjamin Bunn (*Brigham Young University*)
Wesley Colemere (*Brigham Young University*)
Tristan Moe (*Brigham Young University*)
Colin Rampton (*Brigham Young University*)
Amanda Hughes (*Brigham Young University*)

SDC03: TY: Facilitating Social Engagement to Mitigate Loneliness During Transitory Periods

Melissa Li (*McGill University*)
Bronwen Lathrop (*McGill University*)

SDC04: DOÜ: From School to Home

Aurelie Dion (*Université Laval*)
Jade Faucher (*Université Laval*)
Anne-Marie Larocque (*Université Laval*)
Genevieve Morency (*Université Laval*)
Jacynthe Roberge (*Université Laval*)

SDC05: Co-Orb: Fostering Remote Workplace Gratitude with IoT Technology

Xinmu Hu (*Carnegie Mellon University*)
Qiao Tang (*Carnegie Mellon University*)
Ziwen Zeng (*Carnegie Mellon University*)
Yufeng Zhao (*Carnegie Mellon University*)

SDC06: GRATIFOOD

Bhavik Donga (*Indiana University*)
Yash Niranjana Hemmady (*Indiana University Bloomington*)

SDC07: PneuBots: Modular Inflatables for Playful Exploration of Soft Robotics

Hye Jun Youn (*Harvard Graduate School of Design*)
Ali Shtarbanov (*MIT Media Lab*)

SDC08: Saturne: Food at The Heart of a Sustainable and Human Network

Stephanie Caron-Moreau (*Université Laval*)
Rosalie B Tremblay (*Université Laval*)
Romain Heuberger (*Laval University*)
Olivier Martel Savoie (*Université Laval*)
Jacynthe Roberge (*Université Laval*)

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