March 22-26, 2026
Seattle, WA, USA

CHIIR'26

Proceedings of the 2026 Conference on
Human Information Interaction and Retrieval

Sponsored by:
ACM SIGIR

General Chairs:

Chirag Shah & Ryen W. White
University of Washington & Microsoft

Program Chairs:

Adam Fourney, Carla Teixeira Lopes & Johanne Trippas
Microsoft, University of Porto & RMIT University

The Association for Computing Machinery
1601 Broadway, 10 th Floor
New York, New York 10019, USA

ACM ISBN: 979-8-4007-2414-5

Welcome from the CHIIR 2026 General Chairs

We are delighted to welcome you to Seattle, Washington for the eleventh ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR 2026). Nestled between the Puget Sound and the Cascade Mountains, Seattle provides a fitting home for a conference that bridges communities and perspectives. The city's rich tradition of innovation in technology and information science makes it an ideal setting for our gathering.

This year marks a significant milestone for our community. Having passed the ten-year mark, CHIIR has matured into a vibrant forum that continues to attract researchers and practitioners working at the intersection of information retrieval, human-computer interaction, and information behavior. To celebrate this occasion, we are proud to introduce the inaugural Test of Time Awards, recognizing influential research published in CHIIR approximately a decade ago that has shaped our field in lasting ways. This new tradition honors the foundational contributions that have helped define who we are as a community.

CHIIR 2026 features a compelling program of full papers, short papers, perspective papers, demonstrations, resource papers, tutorials, workshops, and a doctoral consortium. This diverse array of contributions reflects the multidisciplinary spirit that has always characterized our conference, drawing insights from fields as varied as psychology, sociology, computer science, and library and information science.

A conference of this caliber requires the dedication and expertise of many individuals. We extend our sincere gratitude to our Program Chairs—Adam Fourney, Carla Teixeira Lopes, and Johanne Trippas—who assembled an exceptional technical program. Jiqun Liu and Kelsey Urgo expertly managed the short papers, resource papers, and demonstrations track. Alexandra Papoutsaki and Vivien Petras guided our doctoral consortium participants with care and insight, while Souvick Ghosh and Hamed Zamani curated an engaging slate of workshops and tutorials.

We are grateful to Yashar Moshfeghi for his meticulous work on these proceedings, and to Negar Arabzadeh for spreading the word about CHIIR 2026 through her publicity efforts. Michael Cole and Udo Kruschwitz helped us secure vital sponsorship support, and Orland Hoeber kept our finances in excellent order. Shanu Sushmita handled registrations with efficiency and grace. Our local organizing chairs, Preetam Dammu and Mouly Dewan, along with student volunteer chairs Harshita Chopra and Kirandeep Kaur along with a team of student volunteers, ensured that every detail on the ground was attended to. Shawon Sarkar built and maintained our conference website with skill and dedication.

We are honored to have two distinguished keynote speakers join us this year. Ben Shneiderman, Emeritus Distinguished University Professor at the University of Maryland, has shaped the field of human-computer interaction for decades. Xin Luna Dong, Principal Scientist at Meta Reality Labs, brings cutting-edge perspectives on knowledge and information systems. We thank them both for sharing their wisdom with our community.

This conference would not be possible without generous support from our sponsors. We thank Microsoft as our Platinum Sponsor and AMD as our Gold Sponsor. We also gratefully acknowledge the University of Washington Information School for their logistical support in bringing CHIIR 2026 to Seattle. Finally, we thank ACM SIGIR for their continued stewardship of our conference series.

Most importantly, we thank you—the authors, reviewers, and attendees—whose contributions and participation make CHIIR what it is. We hope you find inspiration in the research presented here, forge new collaborations, and leave Seattle with renewed energy for the important work ahead.

Enjoy the conference!

Chirag Shah
CHIIR 2026 General Chair
University of Washington, USA

Ryen W. White
CHIIR 2026 General Chair
Microsoft, USA

CHIIR 2026 Program Chairs' Welcome

It is our great pleasure to welcome you to the eleventh ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR 2026), to be held in Seattle, Washington, USA, from March 22 to 26, 2026.

CHIIR 2026 features a rich and engaging program, including 9 full paper sessions, a session for short papers and demonstrations, and two keynote talks delivered by distinguished members of our community: Professor Ben Shneiderman from the University of Maryland and Xin Luna Dong from Meta Reality Labs. In addition to the main technical program, CHIIR 2026 also co-locates two workshops, three tutorials, and a Doctoral Consortium with 8 papers.

Full and perspective papers are presented orally during the main conference sessions. Short and resource papers are presented as posters, providing ample opportunity for in-depth discussion and direct interaction between authors and attendees.

Each full and perspective paper was reviewed by three members of the Program Committee (PC), with discussions coordinated by a Senior Program Committee (SPC) member who prepared a metareview. Final decisions were made by the PC chairs, in some cases following further consultation with the responsible SPC member. Short papers, as well as demo and resource papers, were reviewed by multiple PC members to ensure careful and balanced evaluation. To summarize, the program committee reviewed and accepted the following papers for presentation at CHIIR 2026:

Venue or Track	***Reviewed***	***Accepted***	***Acceptance Rate***
Full & Perspective Papers	77	27	35%
Short Papers	40	18	45%
Demo & Resource Papers	26	18	69%

We could not have managed this year's program without the dedication of our excellent reviewing team. Our sincere thanks to all Program Committee and Senior Program Committee members for their time, thoughtful reviews, and constructive discussions, which were essential to assembling a high-quality program. We hope you enjoy CHIIR 2026 and find the conference to be a stimulating and welcoming forum for advancing research on human information interaction and retrieval.

Your CHIIR 2026 Program Chairs,

Adam Fourney
Program Co-Chair
Microsoft, USA

Carla Teixeira Lopes
Program Co-Chair
University of Porto, Portugal

Johanne Trippas
Program Co-Chair
RMIT University, Australia

Table of Contents

Demonstraons

Extended Abstracts

Work-In-Progress

Tutorials

Short Papers

CHIIR 2026 Conference Organization

General Chairs: Chirag Shah *(University of Washington, USA)*
Ryen W. White *(Microsoft, USA)*

Program Chairs: Adam Fourney *(Microsoft, USA)*
Carla Lopes *(University of Porto, Portugal)*
Johanne Trippas *(RMIT University, Australia)*

Short, Resource & Demo Chairs: Jiqun Liu *(University of Oklahoma, USA)*
Kelsey Urgo *(University of San Francisco, USA)*

Doctoral Consortium Chairs: Alexandra Papoutsaki *(Pomona College, USA)*
Vivien Petras *(Humboldt University, Germany)*

Workshop & Tutorial Chairs: Souvick Ghosh *(San José State University, USA)*
Hamed Zamani *(University of Massachusetts Amherst, USA)*

Proceedings Chair: Yashar Moshfeghi *(University of Strathclyde, UK)*

Sponsorship Chairs: Michael Cole *(LexisNexis, USA)*
Udo Kruschwitz *(University of Regensburg, Germany)*

Publicity Chair: Negar Arabzadeh *(UC Berkeley, USA)*

Treasurer: Orland Hoeber *(University of Regina, Canada)*

Registration Chair: Shanu Sushmita *(Northeastern University, USA)*

Local Organizing Chairs: Preetam Dammu *(University of Washington, USA)*
Mouly Dewan *(University of Washington, USA)*

Student Volunteers Chairs: Harshita Chopra *(University of Washington, USA)*
Kirandeep Kaur *(University of Washington, USA)*

Webmaster: Shawon Sarkar *(University of Washington, USA)*

Senior Program Committee: Damiano Spina *(RMIT University)*
Daniel Hienert *(GESIS - Leibniz Institute for the Social Sciences)*
David Elsweiler *(University of Regensburg)*
Falk Scholer *(RMIT University)*
George Buchanan *(The University of Melbourne)*
Gerd Berget *(Oslo Metropolitan University)*
Hideo Joho *(University of Tsukuba)*
Ian Ruthven *(University of Strathclyde)*
Jaime Arguello *(The University of North Carolina at Chapel Hill)*
Laurianne Sitbon *(Queensland University of Technology)*
Makoto P. Kato *(University of Tsukuba)*
Martin Halvey *(University of Strathclyde)*
Min Zhang *(Tsinghua University)*
Noriko Kando *(National Institute of Informatics)*
Orland Hoeber *(University of Regina)*
Paul Thomas *(Microsoft)*
Robert Capra *(The University of North Carolina at Chapel Hill)*
Rosie Jones *(Spotify)*
Sanna Kumpulainen *(Tampere University)*
Soo Young Rieh *(The University of Texas at Austin)*
Toine Bogers *(IT University of Copenhagen)*

Program Committee: Abbas Pirmoradi Bezanjani *(University of Regina)*
Adam Roegiest *(University Of Sheffield)*
Alamir Novin *(University of South Carolina)*
Alan Medlar *(University of Helsinki)*
Alexander Frummet *(University of Regensburg)*
Alisa Rieger *(Leibniz Institute of the Social Sciences)*
Andrea Papenmeier *(University of Twente)*
Anita Crescenzi *(University of North Carolina)*
Arjen de Vries *(Radboud University)*
Auzita Irani *(Google)*
Ben Wang *(The University of Oklahoma)*
Birger Larsen *(Aalborg University)*
Bogeum Choi *(The University of North Carolina at Chapel Hill)*
Catherine Chavula *(University of Strathclyde)*
Christa Womser-Hacker *(University of Hildesheim)*
Claudia Hauff *(Spotify)*
Crystal Fausett *(San José State University)*
Dagmar Kern *(GESIS)*
Dana McKay *(RMIT)*
Denis Kotkov *(University of Strathclyde)*
Diane Kelly *(University of North Carolina)*
Dorota Glowacka *(University of Helsinki)*
Elina Late *(University of Tampere)*
Emma Nicol *(University of Strathclyde)*
Fernando Loizides *(Cardiff University)*
Florian Meier *(Aalborg University, Copenhagen)*
Frans van der Sluis *(University of Copenhagen)*
Gerd Berget *(Oslo Metropolitan University)*
Heather O'Brien *(The University of British Columbia)*
Henry Feild *(Endicott College)*
Hille Ruotsalainen *(Tampere University)*
Huiwen Zhang *(The University of Melbourne)*
Isto Huvila *(Uppsala University)*
Jaap Kamps *(University of Amsterdam)*
Jacek Gwizdka *(The University of Texas at Austin)*
Jiaxin Mao *(Renmin University of China)*
Johannes Kiesel *(Bauhaus-Universität Weimar)*
Kaixin Ji *(RMIT University)*
Katriina Byström *(OSLO MET)*
Klaus Berberich *(Saarland University of Applied Sciences)*
Laura Korkeamäki *(Tampere University)*
Laurianne Sitbon *(Queensland University of Technology)*
Leif Azzopardi *(University of Strathclyde)*
Marcel Gohsen *(Bauhaus-Universität Weimar)*
Maria Gaede *(Humboldt-Universität zu Berlin)*
Marijn Koolen *(Huygens Institute for the History of the Netherlands)*
Mark Michael Hall *(The Open University)*
Markus Bink *(University of Regensburg)*
Michael Cole *(LexisNexis)*
Milad Momeni *(University of Regina)*
Monica Landoni *(Università della Svizzera italiana, USI)*
Nada Attar *(San José State University)*
Nils Pharo *(OSLO MET)*
Norbert Fuhr *(University of Duisburg-Essen)*
Oleg Zendel *(RMIT University)*
Paavo Arvola *(Tampere University)*
Patrice Bellot *(Aix-Marseille Université - CNRS (LIS))*
Pengyi Zhang *(Peking University)*
Ran Yu *(University of Bonn)*
Rui Liu *(The University of Melbourne)*
Saber Zerhoudi *(University of Passau)*

Sachin Pathiyan Cherumanal *(RMIT University)*
Sandeep Avula *(Amazon)*
Sanne Vrijenhoek *(Universiteit van Amsterdam)*
Selina Meyer *(University of Regensburg)*
Sergey Volokhin *(Emory University)*
Shawon Sarkar *(University of Washington)*
Souvick Ghosh *(San José State University)*
Stephann Makri *(University of London)*
Takehiro Yamamoto *(University of Hyogo)*
Thomas Mandl *(University of Hildesheim)*
Udo Kruschwitz *(University of Regensburg)*
Ying-Hsang Liu *(Uppsala University and Chemnitz University of Technology)*
Yiqun Liu *(Tsinghua University)*
Yuan Li *(The University of Alabama)*

Doctoral Consortium & Program Committee:
Dana McKay *(RMIT)*
David Elsweiler *(University of Regensburg)*
Dirk Lewandowski *(Hamburg University of Applied Sciences)*
Gerd Berget *(Oslo Metropolitan University)*
Hideo Joho *(University of Tsukuba)*
Ian Ruthven *(University of Strathclyde)*
Jaime Arguello *(The University of North Carolina at Chapel Hill)*
Katriina Byström *(OSLO MET)*
Luanne Sinnamon *(The University of British Columbia)*
Maria Gaede *(Humboldt-Universität zu Berlin)*
Mark Smucker *(The Open University)*
Morgan Harvey *(Sheffield University)*
Orland Hoeber *(University of Regina)*
Soo Young Rieh *(The University of Texas at Austin)*
Toine Bogers *(IT University of Copenhagen)*

CHIIR 2026 Keynote Abstracts

Ben Shneiderman - University of Maryland

Abstract: A new synthesis is emerging that integrates AI technologies with Human-Computer Interaction to produce Human-Centered AI (HCAI). Advocates of this new synthesis design supertools that amplify, augment, enhance human abilities, and empower people. Effective supertools build the users's self-efficacy, support creativity, clarify responsibility, and promote social connections. The foundational design principles suggest offering comprehensible, predictable, and controllable user interfaces that have compact control panels, clear sequences of action, show abundant information, and allow rapid exploration or alternatives. Improved search tools will come from researchers who embrace human-centered approaches by giving users control over the scope of search (personal collections as in NotebookLM, time periods as in Google Scholar, limited tasks as in digital navigation), offering rich sets of options (as in Amazon shopping's faceted menus and the Bloomberg Terminal), and ranking/clustering search results (as in Google Search and Netflix). These strategies are especially important when using Generative AI, which is startlingly impressive, but alarmingly flawed.

Biography: Ben Shneiderman is an Emeritus Distinguished University Professor in the Department of Computer Science, Founding Director (1983-2000) of the Human-Computer Interaction Laboratory, and a Member of the UM Institute for Advanced Computer Studies (UMIACS) at the University of Maryland. He is a Fellow of the AAAS, ACM, IEEE, NAI, and the Visualization Academy and a Member of the U.S. National Academy of Engineering. He has received six honorary doctorates in recognition of his pioneering contributions to human-computer interaction and information visualization. His widely-used contributions include the clickable highlighted web-links, high-precision touchscreen keyboards for mobile devices, and tagging for photos. Shneiderman's information visualization innovations include dynamic query sliders for Spotfire, development of treemaps for viewing hierarchical data, novel network visualizations for NodeXL, and event sequence analysis for electronic health records. Ben is the lead author of Designing the User Interface: Strategies for Effective Human-Computer Interaction (6th ed., 2016). He co-authored Readings in Information Visualization: Using Vision to Think (1999) and Analyzing Social Media Networks with NodeXL (2nd edition, 2019). His book Leonardo's Laptop (MIT Press) won the IEEE book award for Distinguished Literary Contribution. The New ABCs of Research: Achieving Breakthrough Collaborations (Oxford, 2016) describes how research can produce higher impacts. His book, Human-Centered AI, published by Oxford University Press, won the Association of American Publishers award for Computer and Information Systems.

Luna Dong - Meta Reality Labs

Abstract: Imagine a personal assistant that, with user permission, persistently remembers moments from daily life—answering questions like "When and where did I see this lady?" or offering personalized suggestions like "You might enjoy The Little Prince—it relates to the statue you liked in Lyon." Realizing this vision requires overcoming major challenges: capturing visual memories under hardware constraints (e.g., memory, battery, thermal limits, bandwidth), extracting meaningful personalization signals from noisy, task-agnostic visual histories, and supporting real-time question answering and recommendations under tight latency requirements.

In this talk, we present our early work toward this goal. Pensieve, our memory-based QA system, improves accuracy by 11% over state-of-the-art multimodal RAG baselines. VisualLens infers user interests from casual photos, outperforming leading recommendation systems by 5–10%. We also share initial results on efficient, event-triggered memory capture and compression. Our work points to a broad landscape of research opportunities in building richer, more context-aware personal assistants capable of learning from and reasoning over users' visual experiences.

Biography: Xin Luna Dong is a Principal Scientist at Meta Wearables AI, where she leads the Agentic AI efforts for building trustworthy and personalized assistants on wearable devices. Previously, she spent over a decade advancing knowledge graph technology, including the Amazon Product Graph and the Google Knowledge Graph. She is co-author of Machine Knowledge: Creation and Curation of Comprehensive Knowledge Bases and Big Data Integration. She was named an ACM Fellow and an IEEE Fellow for "significant contributions to knowledge graph construction and data integration", awarded the VLDB Women in Database Research Award and VLDB Early Career Research Contribution Award, and invited as an ACM Distinguished Speaker. She serves in the PVLDB advisory committee, was a member of the VLDB endowment, a PC co-chair for KDD'2022 ADS track, WSDM'2022, VLDB'2021, and Sigmod'2018.

CHIIR 2026 Sponsors & Partners

Platinum Sponsor:

Gold Sponsor:

Conference Partners: