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SIGIR '24

Proceedings of the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval

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ACM SIGIR 2024 Chairs' Welcome

Welcome to the 47th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2024), taking place in Washington D.C., USA, from July 14 to 18, 2024.

SIGIR serves as the foremost international forum for the presentation of groundbreaking research findings, the demonstration of innovative systems and techniques, and the exploration of forward-thinking research directions in the field of information retrieval.

This year's SIGIR is an in-person conference. We believe that an in-person conference is beneficial for several reasons: it fosters direct engagement and networking opportunities, enhances the exchange of research ideas, contributes to a more dynamic and productive conference experience, and nurtures our research community by welcoming newcomers, providing them with the opportunity to become acquainted with SIGIR traditions. This decision has not been made lightly. We understand the challenges that can pose in the aftermath of a pandemic and amidst the uncertainties of the world around us. To accommodate those who cannot attend, we have implemented a series of measures such as proxy presenters, livestreaming, and recording sessions. These steps are taken to ensure that everyone has access to the valuable content that the conference offers.

This year's conference encompasses five days filled with sessions on full papers, short papers, resource and reproducibility papers, perspective papers, and system demonstrations. The agenda also includes a doctoral consortium, a variety of tutorials, and specialized workshops designed to further research and development in information retrieval. Additionally, the conference features the prestigious Salton Award ceremony, a two-day industry track (SIRIP), a dedicated government day, and a special focus on Large Language Models. Diversity, equity, and inclusion (DEI) initiatives are prominently featured with events such as Women in IR, a student luncheon, a welcome reception, and a formal banquet. This year's event also highlights a comprehensive summary of submissions, accepted papers, and the acceptance rate for each track.

This year's edition saw 1,440 valid submissions across all tracks, as listed in Table 1.

Table 1. Statistics about the number of submissions and accepted papers in SIGIR 2024.

Track	***#Valid Submissions***	***# Accepted***	**Acceptance Rate**
Full Papers	791	160	20%
Short Papers	362	87	24%
Demo Papers	47	23	49%
Perspective Papers	37	9	24%
Resource & Reproducibility Papers	113	45	40%
SIRIP Papers	90	32	36%
Total	1440	356	25%

Unlike in previous years, Resource papers and Reproducibility papers were conflated into a single track, in recognition that some papers may have both resource and reproducibility contributions.

For each track, the chairs conducted an initial round of checks after the submission deadline and desk rejected submissions not adhering to the required format, page limit or the topics included in the respective call for papers. This allowed reviewing effort to be focused on papers more likely to be accepted. All valid submissions were reviewed by at least three PC members across all tracks; most full papers had 4 PC members. In total, 1,045 reviewers and 454 sub-reviewer and emergency reviewers reviewed for one or more tracks generating 6,241 reviews. The full paper track had a three-tier review system (PC members, senior PC members and area chairs). The area chairs tier was a new introduction this year, and it was modelled around the role senior PC had a SIGIR in the early 2000s, where final acceptance decisions were discussed among a larger group of senior leaders in the field, rather than it being restricted to PC chairs and a single meta-reviewer.

The short paper track used a two-tier system (PC members and senior PC members) and the remaining tracks used a single tier (PC members). For the full paper track, the PC chairs held several online meetings with the associate chairs to make acceptance decisions. The short paper chairs met with a subset of their senior PC members to reach decisions.

This year, the full and short paper tracks relied on custom-built software to identify reviewer expertise and optimizing paper review assignation. All tracks exploited custom-built AI content generation detection and quality detection to analyze reviews and ensure quality.

The SIGIR 2024 technical program is distinguished by three keynote presentations from esteemed speakers and a Salton Award lecture. We extend our gratitude to our keynote speakers: Professor Yiming Yang from Carnegie Mellon University, Professor Thorsten Joachims from Cornell University, and Professor Michael Littman from Brown University and the National Science Foundation.

In addition to the main program, this year we continue the integration of the ICTIR 2024 conference. The expanded agenda of SIGIR includes 10 tutorials, 13 workshops, and a Doctoral Consortium day featuring 9 papers. Furthermore, the conference will feature presentations of 16 papers from Volumes 41 and 42 of the ACM Transactions on Information Systems, continuing our commitment to advancing research in Information Retrieval.

All of this would not be possible without a stellar team of scholars, leaders, and volunteers putting in exceptional amounts of time and work. We would like to acknowledge the organization team: our short paper chairs, Chirag Shah, Craig MacDonald, Yiqun Liu; our resource & reproducibility chairs, Bhaskar Mitra, Bevan Koopman, Krisztian Balog; our perspective paper chairs, Charles Clarke, Emine Yilmaz, Min Zhang; our demo chairs, Suzan Verberne, Joel Mackenzie; our tutorial chairs, Chenyan Xiong, Iadh Ounis; our workshop chairs, Zhuyun Dai, Hussein Suleman, Andrew Trotman; our proceedings chairs, Yi Fang, Sean MacAvaney, Lida Rashidi; our doctoral consortium chairs, Hui Fang, Lizi Liao; our SIRIP 2024 chairs, Edgar Meij, Tao Ye; our integration chairs, Jaap Kamps, Liqiang Nie; our government day chairs, Ian Soboroff, Jason R. Baron; our large language model day chairs, Yue Wang, Paul Bennett, Julia Kiseleva; our diversity, equity and inclusion chairs, Hussein Suleman, Suzan Verberne, Wei Ai; our sponsorship chairs, Fuli Feng, Udo Kruschwitz, Jimi Shanahan; our best paper chairs, Gareth Jones, ChengXiang Zhai; our local arrangement chairs, Jami Montgomery, Purna Gamage, Wei Ai, Ashley Stowe, Heather Connor; our social events chairs, Ujwal Gadiraju, David C. Anastasiu; our student affairs chairs, Shabnam Behzad, Zhiwen Tang; our SIGIR 2024 travel award chairs, Wei Ai, Yue Wang; our social media chairs, Yubin Kim, Xiao Qin, Chen Gao; and our web chairs, Agoritsa Polyzou, Wenjie Wang. We would also like to thank ACM for providing logistical and budget support and the SIGIR Executive Committee for their leadership.

In addition, we would like to express our gratitude to our sponsor ACM SIGIR and all our supporters: Tianqiao and Chrissy Chen Institute, National Science Foundation, Apple, Google, Baidu, Bloomberg, Samaya AI, Thomson Reuters, KuaiShou, and eBay.

In this exciting time of rapid technological advancement, it is inspiring to see the remarkable contributions from our fellow IR researchers. Through our work, we actively explore and verify our scientific findings, upholding our mission as IR researchers and making significant contributions to broader fields of study. We look forward to seeing you at the conference for stimulating discussions, research exchanges, collaborations, and friendships.

Let great ideas flow, and let IR research shine.

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