SIGIR-AP
Information Retrieval in the Asia Pacific

SIGIR-AP 2025

3rd International ACM SIGIR Conference on Information Retrieval in the Asia Pacific

2025 / Sun 12.7 ▸ Wed 12.10 Xi'an China

Program

Organizers: SIGIR Special Interest Group on Information Retrieval; Xidian University; The University Of Queensland Australia

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Welcome Message

SIGIR-AP 2025 General Chairs' Welcome

It is our great pleasure to welcome you to the 2025 Annual International ACM SIGIR Conference on Research and Development in Information Retrieval in the Asia-Pacific Region (SIGIR-AP 2025), held in Xi'an, China, in December 2025. Following the successful inaugurations in Beijing (2023) and Tokyo (2024), this year's conference continues to build on a strong foundation as a vibrant forum connecting researchers, practitioners, and students across the diverse Asia-Pacific region. We gather in Xi'an, a city that bridges ancient civilization with modern innovation, to further enhance regional and global exchange.

As outlined in our Charter and Bylaws, SIGIR-AP remains committed to sustainability, inclusiveness, and regional engagement. Continuing our tradition, SIGIR-AP 2025 supports hybrid participation - offering attendees the choice to join in person in Xi'an, at the Australian satellite venue at the University of Queensland, or remotely via online platforms. We believe this format not only broadens accessibility across geographies but also contributes to reducing travel-related carbon emissions, fostering a more sustainable and inclusive conference experience.

SIGIR-AP 2025 features two distinguished keynotes: one by Prof. Fernando Diaz from Carnegie Mellon University, titled "Preference-Based Evaluation", and another by Prof. Min Zhang from Tsinghua University, titled "LLMs vs. Humans in Information Access Tasks: Performances, Behaviors, and Learning Abilities". In addition, four half-day tutorials and two half-day workshops will further enrich the technical and intellectual exchange at this year's conference.

We would like to express our heartfelt gratitude to the dedicated organizing team, whose energy, professionalism, and countless hours of work have made this conference possible:

Program Chairs: Evangelos Kanoulas, Yadan Luo, Bhaskar Mitra
Tutorial Chair: Krisztian Balog
Workshop Chair: Makoto Kato
Local Chairs: Rui Li, Lu Wang, Yueshen Xu
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Publicity Chairs: Negin Rahimi, Zhaochun Ren
Best Paper Chairs: Faegheh Hasibi, Sean MacAvaney, Alistair Moffat

We gratefully thank our sponsors Xiaohongshu, Kuaishou, and Weixin Search, for their generous support. As an emerging conference, their contributions significantly reduce the financial burden and enhance communication between academia and industry within the IR community. We also express our appreciation to SIGIR and ACM for their invaluable support.

Finally, and most importantly, thank you to all of you: the authors who submitted papers, the reviewers and meta-reviewers who assessed them, the keynote speakers, workshop and tutorial organizers, and the volunteers. We also thank the staff of our conference management company: Xi'an Kaili Conference and Exhibition Co., Ltd.

Keping Bi
Chinese Academy of Sciences, China
General Co-Chair

Qingshan Li
Xidian University, China
General Co-Chair

SIGIR-AP 2025 Program Chairs' Welcome

It is our great pleasure to welcome you to the 3rd International ACM SIGIR Conference on Information Retrieval in the Asia Pacific (SIGIR-AP 2025), taking place in Xi'an, China, during December 7-10, 2025.

This year's conference continues its tradition as an international forum dedicated to advancing information retrieval research and development across the Asia-Pacific region, encompassing all of Asia, Australasia, and the islands of the Pacific and Indian Oceans. This year we invited several types of submissions, including original research, resource, reproducibility, industry, and perspective papers. Like previous years, SIGIR-AP 2025 also offered the Revise-and-Resubmit (RR) submission option to full, short, resource, reproducibility, and perspective papers that were submitted to but not accepted by either the SIGIR 2025 or the ICTIR 2025 conferences.

Various measures were implemented to ensure a high-quality peer review process. Following the SIGIR-AP 2024 practice, the review assignment was done automatically based on reviewers' expertise (using their DBLP profiles) and conflict of interest (COI) information. The review assignments were manually checked by program committee chairs and adjusted in problematic cases based on reviewers' bids. The reviewers were provided with clear guidelines and instructions to prevent the use of shortcut heuristics that could lead to unfair or premature rejections of submissions. Each paper was reviewed by at least three members of the program committee, and the review results were thoroughly discussed under the guidance of a senior program committee member. Finally, the program committee chairs deliberated on the outcomes and consulted the relevant senior program committee members before finalizing the acceptance decisions.

We received a total of 112 abstract submissions. After desk rejections, 98 submissions were put through the review process. Statistics on the submissions and accepted papers are detailed in the following Table.

Venue or Track	#Reviewed	#Accepted	Acceptance Rate
Regular submissions	83	35	42.2%
Revise-and-Resubmit submissions	15	11	73.3%
Total	98	46	46.9%

In addition, there are two workshops, four tutorials, and two keynote presentations.

We hope that you will find this program interesting and thought-provoking. We want to express our deepest gratitude to all authors, reviewers, meta-reviewers, and conference chairs for all their hard work to create an exciting scientific program for the conference this year. We look forward to seeing you in Xi'an!

Evangelos Kanoulas
University of Amsterdam
Netherlands
Program Co-Chair

Yadan Luo
The University of Queensland
Australia
Program Co-Chair

Bhaskar Mitra
Independent Researcher
Canada
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THE UNIVERSITY OF QUEENSLAND AUSTRALIA

Who we are?

Xiaohongshu Co. was founded in 2013. On the Xiaohongshu app, users document their daily lives through images and text, videos, live-streaming, and other formats, connecting and forming communities based on shared interests. This foundation has fostered a positive interaction between content and commerce on the platform, giving rise to a unique “seeding ecosystem”. Garnering over 350 million monthly active users as of the end of 2024, Xiaohongshu has become a cross-generational community for lifestyle & interest exploration and go-to destination for consumer decision-making, with the ability to drive trends and headlines.

The Algorithm Department of Xiaohongshu focuses on the application of cross-domain, large-scale machine learning, connecting authentic and inspiring people and content from around the world, with the ultimate mission of achieving equitable traffic distribution. We believe that "every ordinary individual deserves to be seen by the world" and are consistently dedicated to fostering a decentralized and thriving UGC ecosystem. By leveraging advanced machine learning theories and large AI models, we continuously enhance the user experience for global users in creation, consumption, search, social interaction, shopping, and more. Our efforts ensure that the beauty of ordinary lives is remembered by the world, while creating a more diverse future for the community.

Application of Multimodal LLM in Xiaohongshu Search

Time: 13:30 – 14:00, Dec. 8th, 2025
Location: Grand Ballroom, Wyndham Grand Xi'an South, Xi'an, China

With the rapid development of large Language model technology, search is one of the business systems most directly impacted. LLM significantly improves the modeling capabilities of various stages of traditional retrieval systems, while also more efficiently handling some user query needs in the form of AI search. This presentation will first introduce the overall business and architecture of Xiaohongshu search, and the scenarios and challenges faced by a UGC-centric search platform.Focusing on multimodal search, it will introduce the business scenarios and application progress of multimodal large models in four areas: image search,image search, video search, and multimodal AI search. Combining typical application scenarios, it will focus on the algorithmic details of multimodal large models in content understanding and RAG systems, and discuss the challenges and practices of implementing multimodal LLM in large-scale business scenarios.

Daoxin Zhang

The head of themultimodal search and Rednote algorithm team at Xiaohongshu

Daoxin Zhang is currently the head of themultimodal search and Rednote algorithm team at Xiaohongshu. He holds a master's degree from Zhejiang University. He has long focused on multimodal understanding and retrieval, leading the development of numerous multimodal systems at Xiaohongshu and Alibaba, including visual image search, product understanding and similar product retrieval, video structuring, and intelligent production. He possesses extensive industry experience in these applications.He has published multiple papers at conferences such as ICCV, MM, and SIGIR.
His main research areas include multimodal understanding and evaluation, video generation, and cross-modal retrieval.

小红书技术REDtech

——The official account of the Xiaohongshu technical team, a place to share technological innovations and problem interpretations

REDstar Top Talent Program

The REDstar Top Talent Program is Xiaohongshu's exclusive initiative aimed at outstanding technical talent from top universities worldwide. We offer industry-leading compensation, real-world scenarios with hundreds of millions of monthly active users, one-on-one customized training, and a dedicated career advancement path. Here, you'll collaborate closely with top-tier technical teams, push the boundaries of technology, and drive continuous innovation. We look forward to working with talented individuals like you to capture, preserve, and share the beautiful moments of everyday life through technology!

Ace Top Intern Program

The Ace Top Intern Program is a strategic internship initiative by Xiaohongshu, specifically designed for current students at leading global universities (emphasis added). We focus on cutting-edge technical fields such as large-scale models, search, recommendation, AI coding, and next-generation AI infrastructure, seeking top campus talent eager to break new ground and change the world through tech innovation. Here, you'll tackle industry-challenging research topics and grow rapidly by solving technical problems that impact hundreds of millions of users. Join Xiaohongshu and redefine the speed of your growth!

We're looking for :

Academic Pioneer

Exceptional achievement in academic research, engineering practice, open-source communities, competitions, or related fields.

Tech Innovator

Driven by technical ideals, passionate about technology, and fearless in tackling complex challenges.

Human-Centered Thinker

Combine technical depth with empathy, and embrace unique perspectives to understand user needs and tech trends.

Proven Problem-Solver

Battle-tested in real-world scenarios, with the ability to identify core issues and deliver practical solutions.

Young talent meets boundless opportunities —here, you define your own path.

REDstar QR code

Ace QR code

KUAISHOU

Kuaishou's Industry-University-Research Ecosystem

As a technology company with artificial intelligence (AI) as its core technology, Kuaishou actively collaborates with top global universities and research institutions to jointly explore the boundless possibilities of future media. Kuaishou Technology Cooperation adheres to the original intention of being "a propeller for technological development and a connector for the cooperative ecosystem", and conducts cooperation with universities and research institutions in scientific research cooperation, academic exchanges, talent cultivation and other aspects. It attracts the most outstanding external talents and enterprise R&D personnel to innovate together and promote business development.

Two University-Level Joint Research Laboratories

- Renmin University of China - Kuaishou Future Media Intelligence Joint Laboratory
- University of Science and Technology of China Beijing Research Institute - Kuaishou Technology Intelligent Media Joint Laboratory

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100+ Papers/Year
Top Journal/Conference

CVPR · ACM MM · KDD 2025 · SIGIR 2025 Padova · ECCV · NEURAL INFORMATION PROCESSING SYSTEMS · VALSE · AAAI 北京 · The 38th Annual AAAI Conference on Artificial Intelligence

5 Provincial Awards
for Cooperative Achievements



Tens of millions RMB per year
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100+ Talents/Year
Joint Talent Cultivation

50+ Patents/Year
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KUAISHOU@SIGIR-AP 2025

KUAISHOU

Ruiming Tang

Ruiming Tang, Senior Director at Kuaishou Technology, serves as the Head of Recommendation Ranking Model Center. He was working in Huawei Noah's Ark Lab from Dec 2014 to Jun 2025 and was the director of recommendation and search lab. He got his Ph.D. degree from National University of Singapore in 2014. His research directions include (but not limited to) generative recommendation, user behavior modelling, LLM enhanced recommendation, long-context in LLM, etc. He published over 100 papers in top-tier conferences and journals and achieved over 12,000 google citations. He regularly serves as PC/PC/AC in WWW, KDD, SIGIR, AAAI, CIKM, etc. He was one of the PC chairs in CCIR 2024.

Recent Technical Advances in Recommender System of Kuaishou

Time: December 9, 13:30–13:45 (local time)

Location: Grand Ballroom, Wyndham Grand Xi'an South

Kuaishou spans diverse content formats—short videos, live streams, and images—and supports multiple business scenarios, including e-commerce, advertising, and local life services. This diversity poses significant challenges for our recommender systems. We have systematically advanced our technology across three key dimensions. First, we propose a new end-to-end generative recommendation paradigm, OneRec. We upgrade the cascading architecture towards an unified, end-to-end framework. OneRec evolved through three major iterations: (1) establishing a foundational framework, (2) incorporating efficient decoding and reinforcement learning, and (3) ultimately building a unified, "thinking" base capable of chain-of-thought reasoning. Second, we devise our LLM-powered recommendation. To overcome the limitations of traditional Item ID systems—such as knowledge rigidity and poor generalization—we developed Item Alignment technology. This approach deeply integrates multi-modal information, enabling content representations to capture semantic content and align closely with user behavior. Finally, we develop our lifelong user sequence modeling framework. To extract a comprehensive view of user interests from massive historical behavior data, we combine the strengths of both "retrieval" and "compression" methodologies. We have deployed the SIM and ACT model series, which employ precise retrieval and intelligent compression techniques, respectively. Together, these three technologies form the core engine of Kuaishou's next-generation recommender system, driving sustained growth across our diverse business.

微信搜一搜

Weixin Search

Weixin Search everages a comprehensive ecosystem that includes articles, images, short videos, and Weixin Mini Programs to developnext-generation search products through advanced search and recommendation technologies.
This enables precise connections between users, information, and services across various scenarios. Our unique context, vast user base, and state-of-the-art technologies are driving rapid business growth.
We have a highly skilled team of experts in AI algorithms, engineering, and product development based in China, with key locations in cities such as Guangzhou, Beiling, and Shenzhen.
We look forward to the opportunity of having you join us.

AI Search

Leveraging Weixin's robust ecosystem, Weixin AI Search is making a capability leap: evolving from merely connecting information to delivering a closed loop of "Good Answers, Good Solutions, and Integrated Services."

AI Overview

Rapidly generates high-quality answers that are precise, comprehensive, and structured. By integrating Weixin's multimodal content, we present information vividly to better facilitate user understanding.

Deep Research

Targeting users with in-depth needs, we introduce "Deep Research." By combining open web resources with Weixin's existing high-value content, we generate truly actionable and deep reports.

Agentic Search

Built upon our unique Mini Program ecosystem, search is not the end, but the starting point for connecting to services. We already provide recommendations based on Overviews and will continue to deepen these service integrations.

Experienced Hire

Scan to Apply

Campus Recruitment

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Conference Organization

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Yadan Luo *(The University of Queensland, Australia)*
Bhaskar Mitra *(Independent Researcher)*

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Please connect to the hotel's public Wi-Fi network named Wyndham_Grand. To authenticate and log in, enter the following information:
Room Number: WH
Surname: 68219999
For in-house guests:
Please connect to the hotel's public Wi-Fi network named Wyndham_Grand. To log in, enter your room number and surname(in lowercase letters). The front desk will provide the Wi-Fi details to all guests upon check-in.

CONFERENCE VENUE

Address: No. 208 Ci'en East Road, Qujiang New District, Xi'an, Shaanxi

Wyndham Grand Xi'an South

Wyndham Grand Xi'an South is situated in the heart of Datang Everbright City in Xi'an's Qujiang New District - specifically at the northeast corner of Kaiyuan Plaza on Modern Tang Street. It is just steps away from the Giant Wild Goose Pagoda, as well as numerous scenic spots, shopping malls, and pedestrian streets. The hotel is adjacent to the Tang City Wall Ruins Park, with famous attractions like the Giant Wild Goose Pagoda, Datang Furong Garden, and Qujiang Pool all within a 10-minute walk. Conveniently located near Metro Line 4, it offers easy access to transportation. The surrounding area boasts renowned local eateries such as Yuanjia Village, TongshengXiang, and Defachang, offering authentic Shaanxi flavors.

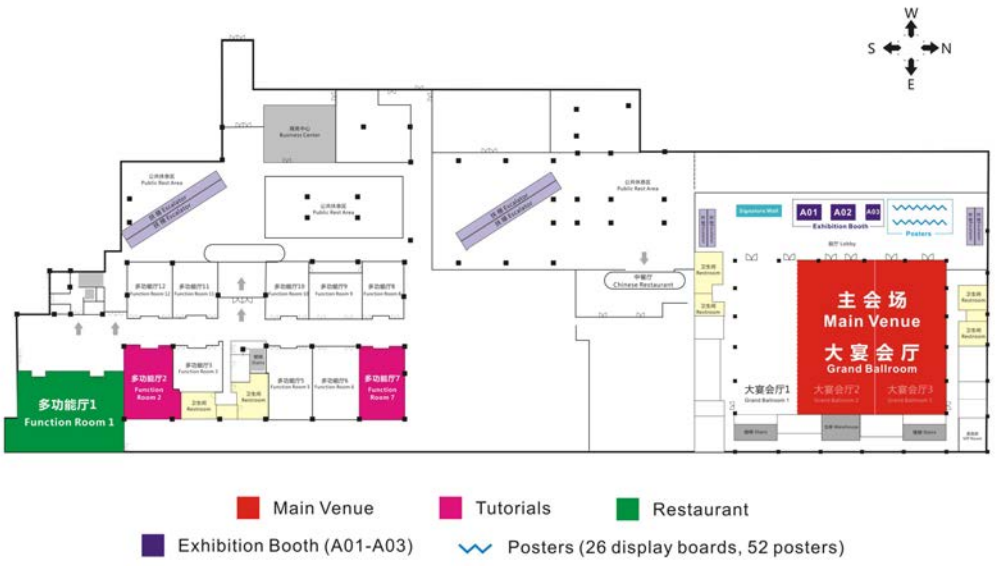
To the east of the hotel, a bustling commercial pedestrian street features an array of shops, including: Intime Mall, Hema Fresh, Yiyang Department Store, The Mixc Shopping Mall, CR Vanguard Supermarket. The area is also packed with specialty stores offering bubble tea, desserts, snacks, and souvenirs, as well as cultural and entertainment venues like Pacific Cinema, Qujiang Art Museum, and Qujiang Concert Hall.

Whether for shopping, dining, or leisure, the Wyndham Grand Xi'an provides everything needed for a fulfilling travel experience. Several distinctive restaurants and bars, along with a professional team of chefs, carefully select fresh ingredients to present a charming Continental-style buffet and a variety of classic Cantonese dishes. In the elegantly decorated dining environment, savor exquisite delicacies and indulge in unforgettable moments of pure delight. The hotel boasts one pillar-free luxurious banquet hall and 11 modern multifunctional meeting rooms, offering over 5,000 square meters of event space, all equipped with state-of-the-art audiovisual facilities to ensure a prestigious and flawless event experience. A variety of recreational amenities, such as a gym, sauna room, billiards room, chess and card room, and indoor heated swimming pool, provide leisurely enjoyment.

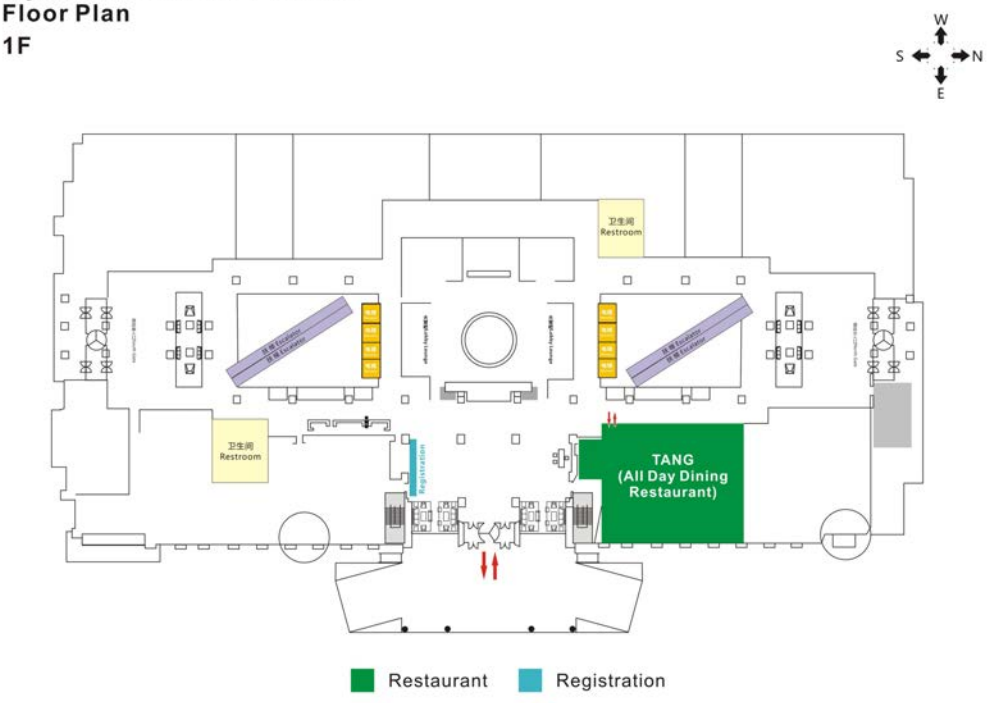
FLOOR PLAN

The Grand Ballroom and Function Rooms 1, 2, and 7 are located on the ground floor of the hotel, while the registration area and the restaurant TANG are on the first floor. The main entrance to the hotel is on the east side. The floor plans of the hotel are provided below.

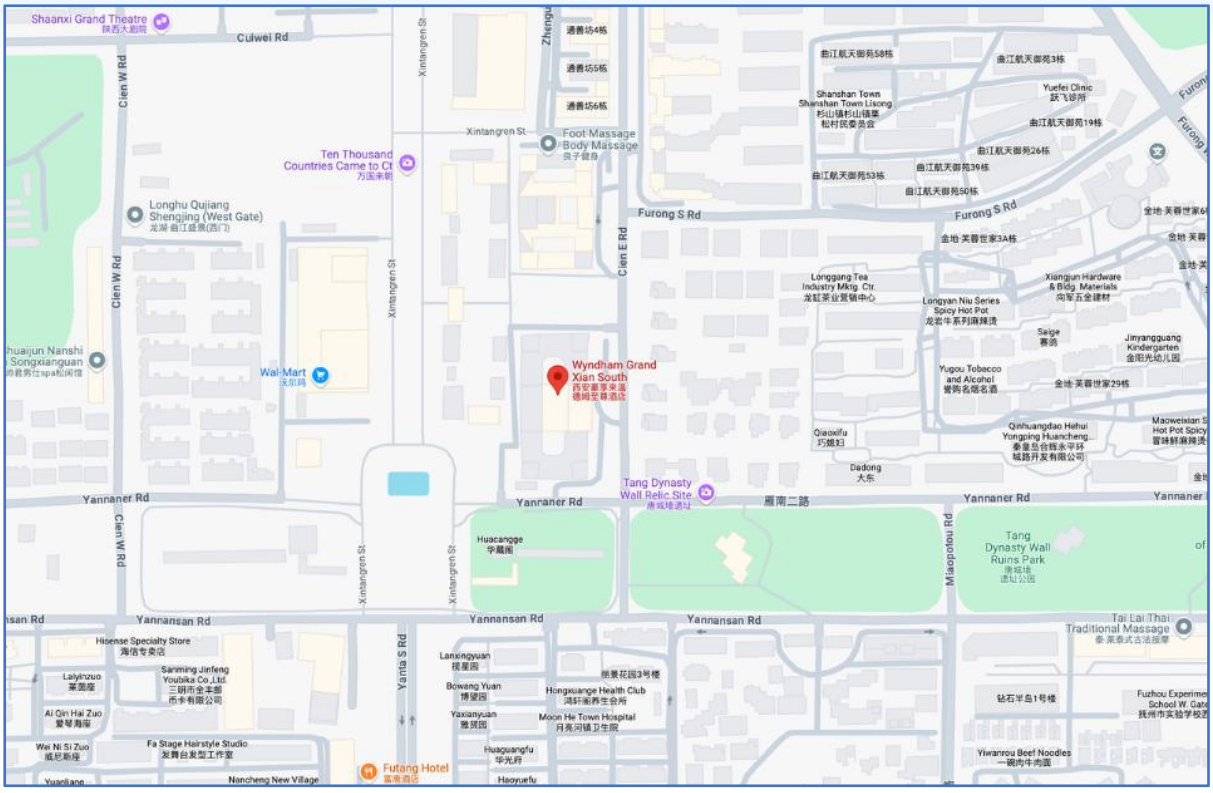
Wyndham Grand Xi'an South
Venue Layout
Ground Floor Plan



Wyndham Grand Xi'an South
Floor Plan
1F



TRANSPORTATION TO THE CONFERENCE VENUE



Xi'an Xianyang International Airport - Wyndham Grand Xi'an South

Metro: Take Line 14 (Airport West direction) for 9 stops to Xi'an North Railway Station, then transfer to Line 4 (Hangtiancheng direction) for 20 stops to Datangfurongyuan Station, exit from B, and walk 930m for about 14 minutes to reach the hotel.

Taxi: 51 kilometers, approximately 1 hour, with a cost of about 90 yuan.

Xi'an North Railway Station - Wyndham Grand Xi'an South

Metro: Take Metro Line 4 (Hangtiancheng direction) for 20 stops to Datangfurongyuan Station, exit from B, and walk 930m for about 14 minutes to reach the hotel.

Taxi: 25 kilometers, approximately 45 minutes,with a cost of about 55 yuan.

Xi'an Railway Station - Wyndham Grand Xi'an South

Metro: Take Metro Line 4 (Hangtiancheng direction) for 7 stops to Datangfurongyuan Station, exit from B, and walk 930m for about 14 minutes to reach the hotel.

Taxi: 10 kilometers, approximately 35 minutes, with a cost of about 25 yuan.

Program at a Glance

December 6 14:00 - 22:00 Registration (Hotel Lobby)		
Day 1, December 7		
Time	**Room**	**Event**
9:00 - 10:30	Function Room 2 Function Room 7	Tutorial 1: Retrieval and Ranking with LLMs (R²LLMs) Tutorial 2: Dynamic and Parametric Retrieval Augmented Generation
10:30 - 11:00	Coffee Break (Function Room Foyer)	
11:00 - 12:30	Function Room 2 Function Room 7	Tutorial 1 (Continued) Tutorial 2 (Continued)
12:30 - 14:00	Function Room 1	Lunch Break (lunchbox)
14:00 - 15:30	Function Room 2 Function Room 7	Tutorial 3: Trustworthy Information Retrieval in the LLM Era Tutorial 4: Conversational Agents: From RAG to LTM
15:30 - 16:00	Coffee Break (Function Room Foyer)	
16:00 - 17:30	Function Room 2 Function Room 7	Tutorial 3 (Continued) Tutorial 4 (Continued)
18:00 - 20:00	Grand Ballroom	Reception
Day 2, December 8		
Time	**Room**	**Event**
9:00 - 9:20	Grand Ballroom	Opening
9:20 - 10:20		Keynote 1: Preference-Based Evaluation
10:20 - 10:40	Coffee Break (Grand Ballroom Lobby)	
10:40 - 12:15	Grand Ballroom	Session 1: Retrieval-Augmented Generation (RAG)
12:15 - 13:30	TANG (All Day Dining Restaurant)	Lunch Break (buffet)
13:30 - 14:00	Grand Ballroom	Industry Talk 1: by Xiaohongshu
14:00 - 15:35		Session 2: Bias, Fairness, Privacy, and Auditing
15:35 - 16:30	Poster Session & Coffee Break (Grand Ballroom Lobby)	
16:30 - 18:10	Grand Ballroom	Session 3: Applications

18:10 - 20:00	Dinner (on your own)	
Day 3, December 9		
Time	**Room**	**Event**
9:00 - 10:00	Grand Ballroom	Keynote 2: LLMs vs. Humans in Information Access Tasks
10:00 - 10:20	Coffee Break (Grand Ballroom Lobby)	
10:20 - 12:10	Grand Ballroom	Session 4: Ranking
12:10 - 13:30	TANG (All Day Dining Restaurant)	Lunch Break (buffet)
13:30 - 13:45	Grand Ballroom	Industry Talk 2: by Kuaishou
13:45 - 15:15		Session 5: Representation Learning and Retrieval
15:15 - 16:15	Poster Session & Coffee Break (Grand Ballroom Lobby)	
16:15 - 17:45	Grand Ballroom	Session 6: Recommender Systems
18:30 - 20:30	Banquet (Grand Ballroom)	
Day 4, December 10		
Time	**Room**	**Event**
9:00 - 10:15	Grand Ballroom	Session 7: Language Modeling
10:15 - 10:35	Coffee Break (Grand Ballroom Lobby)	
10:35 - 12:05	Grand Ballroom	Session 8: User-System Interactions and Benchmarking
12:05 - 12:20		Closing
12:20 - 14:00	Function Room 1	Lunch Break (lunchbox)
14:00 - 15:30	Grand Ballroom 2 Grand Ballroom 3	Workshop 1: BREV-RAG (Evaluation of RAG systems) Workshop 2: R3AG 2025 (Refined and Reliable RAG)
15:30 - 16:00	Coffee Break (Grand Ballroom Lobby)	
16:00 - 17:30	Grand Ballroom 2 Grand Ballroom 3	Workshop 1 (Continued) Workshop 2 (Continued)

Keynote 1: Preference-Based Evaluation

Fernando Diaz

Carnegie Mellon University, USA

Time: December 8, 9:20 - 10:20

Room: Grand Ballroom

Biography:

Fernando Diaz is an Associate Professor at Carnegie Mellon University's Language Technologies Institute and a Research Scientist at Google. His current research covers three themes: quantitative evaluation of AI systems, retrieval-enhanced AI, and understanding the cultural impact of AI in domains like music and literature through interdisciplinary collaboration. With extensive industry experience, including leadership roles at Microsoft Research Montréal and Spotify, Fernando studies the practical deployment of AI. His expertise in search engines and recommender systems is recognized through awards at SIGIR, CIKM, CSCW, and others. He received the 2017 BCS Karen Spärck Jones Award and holds a CIFAR AI Chair. Fernando actively contributes to the field, co-organizing events such as NIST TREC tracks, WSDM, FAccT, and SIGIR, and the CIFAR Workshop on AI and Cultural Curation.

Abstract:

Recent advances in AI have heightened attention on the foundations of evaluation. As models become more performant, traditional metrics and benchmarks increasingly fail to capture meaningful differences in system behavior. Indeed, Voorhees et al. observe that modern retrieval models have saturated high-precision metrics, calling for "new strategies and tools for building reliable test collections." I describe preference-based evaluation, a framework that reinterprets evaluation as an ordering over system behaviors rather than the computation of numeric scores. Although common in laboratory studies and online evaluation, automatic evaluation methods - such as average precision or reciprocal rank - have traditionally lacked preference-based counterparts. Drawing on foundational work in information retrieval evaluation and social-choice theory, I introduce a family of methods for conducting efficient, automatic, preference-based evaluation. Through a series of experiments across retrieval and recommendation tasks, preference-based versions of precision, recall, and average precision all demonstrate substantially higher sensitivity, addressing recent trends of metric saturation.

Keynote 2: LLMs vs. Humans in Information Access Tasks: Performances, Behaviors, and Learning Abilities

Min Zhang

Tsinghua University, China

Time: December 9, 9:00 - 10:00

Room: Grand Ballroom

Biography:

Min Zhang is a full professor in the Department of Computer Science & Technology, Tsinghua University. and the director of the AI Lab. She specializes in Web search, recommendation, and user modeling. Prof. Zhang is an ACM distinguished member and a SIGIR Academy fellow. She has been the Editor-in-Chief of ACM Transactions on Information Systems (TOIS) since 2020, and also serves as the General co-Chair of ACM MM'25, and PC co-Chairs of SIGIR'26, RecSys'23, CIKM'23, WSDM'17, etc. She won the "Test-of-Time" Award at SIGIR'24, EMNLP'24 Best Resource, WSDM'22 Best Paper, IBM Global Faculty Award, etc, and has a lot of collaborations with international and domestic industries.

Abstract:

With the deepening of research into LLMs, it is the right time to understand the similarities and distinctions between LLMs and human users. This talk addresses several questions from a user-centric viewpoint in information access tasks: How can we evaluate the performance of large models, and what is their efficacy? To what extent do LLMs' conversational behaviors differ from those of humans in IR tasks? How does their capacity for test-time learning from conversational reasoning experiences stack up against humans? Some of our recent explorations and findings on these questions will also be presented. Hope discussions on the related topics will offer some new perspectives and inspire future research into the behavior and reasoning mechanisms of LLMs in information access tasks.

Main Conference Program

Day 1: Sunday (December 7) - Tutorials

Timezone: CST (UTC +8)

Time	Event	Room
9:00 - 10:30	Tutorial 1: Retrieval and Ranking with LLMs (R^2LLMs) Guido Zuccon, Shengyao Zhuang, Xueguang Ma and Bevan Koopman	Function Room 2
	Tutorial 2: Dynamic and Parametric Retrieval Augmented Generation Weihang Su, Qian Dong, Qingyao Ai and Yiqun Liu	Function Room 7
10:30 - 11:00	Coffee Break	Function Room Foyer
11:00 - 12:30	Tutorial 1: Retrieval and Ranking with LLMs (R^2LLMs) Guido Zuccon, Shengyao Zhuang, Xueguang Ma and Bevan Koopman	Function Room 2
	Tutorial 2: Dynamic and Parametric Retrieval Augmented Generation Weihang Su, Qian Dong, Qingyao Ai and Yiqun Liu	Function Room 7
12:30 - 14:00	Lunch Break (lunchbox)	Function Room 1
14:00 - 15:30	Tutorial 3: Trustworthy Information Retrieval in the LLM Era: Bias, Unfairness, and Hallucination Sunhao Dai, Chen Xu, Shicheng Xu, Zhongxiang Sun, Liang Pang, Zhenhua Dong and Jun Xu	Function Room 2

	Tutorial 4: Conversational Agents: From RAG to LTM Dell Zhang, Yue Feng, Haiming Liu, Changzhi Sun, Jixiang Luo, Xiangyu Chen and Xuelong Li	Function Room 7
15:30 - 16:00	Coffee Break	Function Room Foyer
16:00 - 17:30	Tutorial 3: Trustworthy Information Retrieval in the LLM Era: Bias, Unfairness, and Hallucination Sunhao Dai, Chen Xu, Shicheng Xu, Zhongxiang Sun, Liang Pang, Zhenhua Dong and Jun Xu	Function Room 2
	Tutorial 4: Conversational Agents: From RAG to LTM Dell Zhang, Yue Feng, Haiming Liu, Changzhi Sun, Jixiang Luo, Xiangyu Chen and Xuelong Li	Function Room 7
18:00 - 20:00	Reception	Grand Ballroom

Day 2: Monday (December 8) - Main Conference

Timezone: CST (UTC +8)

Time	Event	Room
9:00 - 9:20	**Opening**	Grand Ballroom
9:20 - 10:20	**Keynote 1: Preference-Based Evaluation** **Fernando Diaz, Carnegie Mellon University**	
10:20 - 10:40	Coffee Break	Grand Ballroom Lobby
10:40 - 12:15	**Session 1 (Retrieval-Augmented Generation)**	Grand Ballroom
	[ID=34, 15 Mins] CogPlanner: Unveiling the Potential of Multimodal Retrieval Augmented Generation with Planning (Poster #01) Xiaohan Yu, Zhihan Yang and Chong Chen	
	[ID=60, 15 Mins] Rowen: Adaptive Retrieval-Augmented Generation for Hallucination Mitigation in LLMs (Poster #02) Hanxing Ding, Liang Pang, Zihao Wei, Huawei Shen and Xueqi Cheng	
	[ID=52, 15 Mins] Distilling a Small Utility-Based Passage Selector to Enhance Retrieval-Augmented Generation (Poster #03) Hengran Zhang, Keping Bi, Jiafeng Guo, Jiaming Zhang, Shuaiqiang Wang, Dawei Yin and Xueqi Cheng	
	[ID=113, 15 Mins] On the Diminishing Returns of Complex Robust RAG Training in the Era of Powerful LLMs (Poster #04) Hanxing Ding, Shuchang Tao, Liang Pang, Zihao Wei, Liwei Chen, Kun Xu, Huawei Shen and Xueqi Cheng	

	[ID=102, 10 Mins] Injecting External Knowledge into the Reasoning Process Enhances Retrieval-Augmented Generation (Poster #05) Minghao Tang, Shiyu Ni, Jiafeng Guo and Keping Bi	
	[ID=68, 10 Mins] VeriCite: Towards Reliable Citations in Retrieval-Augmented Generation via Rigorous Verification (Poster #06) Haosheng Qian, Yixing Fan, Jiafeng Guo, Ruqing Zhang, Qi Chen, Dawei Yin and Xueqi Cheng	
	[ID=13, 10 Mins] Geniie-Lab: A Testbed for Controlled Experimentation of Model Search Behaviour (Poster #07) Hideo Joho	
12:15 - 13:30	Lunch Break (buffet)	TANG (All Day Dining Restaurant)
13:30 - 14:00	Industry Talk 1 by Xiaohongshu: Application of Multimodal LLM in Xiaohongshu Search	Grand Ballroom
14:00 - 15:35	**Session 2: Bias, Fairness, Privacy, and Auditing**	
	[ID=100, 15 Mins] Developing a Framework for Auditing Large Language Models using Human-in-the-loop (Poster #08) Maryam Amirizaniani, Adrian Lavergne, Elizabeth Snell Okada, Aman Chadha, Tanya Roosta and Chirag Shah	
	[ID=55, 15 Mins] Data Usage Privacy Auditing for Semi-supervised GNNs (Poster #09) Yang Li, Kaike Zhang, Bingbing Xu, Fei Sun, Qi Cao and Huawei Shen	
	[ID=46, 15 Mins] Do Large Language Models Favor Recent Content? (Poster #10) Hanpei Fang, Sijie Tao, Nuo Chen, Kai-Xin Chang and Tetsuya Sakai	

	[ID=70, 15 Mins] GDA: Graph Distance Autoencoder for Label-only Membership Inference Attack on GNNs (Poster #11) Yang Li, Yunfan Wu, Bingbing Xu, Fei Sun, Qi Cao and Huawei Shen	
	[ID=66, 10 Mins] Measuring Group Fairness in Web Search: AWRF or GFR? (Poster #12) Sijie Tao and Tetsuya Sakai	
	[ID=84, 10 Mins] Who Gets to be an Expert? The Hidden Bias in Expert Finding (Poster #13) Seyedehfatemeh Karimi, Havva Alizadeh Noughabi, Fattane Zarrinkalam and Morteza Zihayat	
	[ID=88, 10 Mins] Synthetic Prefixes to Mitigate Bias in Real-Time Neural Query Autocomplete (Poster #14) Adithya Rajan, Xiaoyu Liu, Prateek Verma and Vibhu Arora	
15:35 - 16:30	Poster Session & Coffee Break	Grand Ballroom Lobby
16:30 - 18:10	**Session 3: Applications**	Grand Ballroom
	[ID=37, 15 Mins] Retrieval-Augmented NL2SQL Generation with Data-Centric Query Capsules for Enterprise Applications (Poster #15) Jisoo Jang and Wen-Syan Li	
	[ID=38, 15 Mins] Human vs. Agent in Task-Oriented Conversations (Poster #16) Zhefan Wang, Ning Geng, Zhiqiang Guo, Weizhi Ma and Min Zhang	
	[ID=36, 15 Mins] Beyond GeneGPT: A Multi-Agent Architecture with Open-Source LLMs for Enhanced Genomic Question Answering (Poster #17) Haodong Chen, Guido Zuccon and Teerapong Leelanupab	

	[TOIS] Causal Inference in Recommender Systems: A Survey and Future Directions (Poster #18) Chen Gao, Yu Zheng, Wenjie Wang, Fuli Feng, Xiangnan He and Yong Li	
	[ID=90, 10 Mins] Accurate and Diverse Recommendations via Propensity-Weighted Linear Autoencoders (Poster #19) Kazuma Onishi, Katsuhiko Hayashi and Hidetaka Kamigaito	
	[ID=48, 10 Mins] FalseCoTQA: Adversarial Multi-Hop QA via Knowledge-Grounded False Chains of Thought (Poster #20) Julien Serbanescu, Mahdiyar Ali Akbar Alavi, Faezeh Ensan and Fattane Zarrinkalam	
	[ID=20, 10 Mins] Improving Math Information Retrieval via Query Rewriting with LLMs (Poster #21) Reihaneh Maarefdoust, Mandy Ho, Aidan Bell and Behrooz Mansouri	
18:10 - 20:00	Dinner (on your own)	

Day 3: Tuesday (December 9) - Main Conference

Timezone: CST (UTC +8)

Time	Event	Room
9:00 - 10:00	**Keynote 2: LLMs vs. Humans in Information Access Tasks: Performances, Behaviors, and Learning Abilities** **Min Zhang, Tsinghua University**	Grand Ballroom
10:00 - 10:20	Coffee Break	Grand Ballroom Lobby
10:20 - 12:10	**Session 4: Ranking**	Grand Ballroom
	[ID=35, 15 Mins] RaCT: Ranking-aware Chain-of-Thought Optimization for LLMs (Poster #22) Haowei Liu, Xuyang Wu, Guohao Sun, Hsin-Tai Wu, Zhiqiang Tao and Yi Fang	
	[ID=74, 15 Mins] Reproducing and Extending Causal Insights Into Term Frequency Computation in Neural Rankers (Poster #23) Cile van Marken and Roxana Petcu	
	[ID=8, 15 Mins] REGENT: Relevance-Guided Attention for Entity-Aware Multi-Vector Neural Re-Ranking (Poster #24) Shubham Chatterjee	
	[ID=112, 15 Mins] Adversarial Attacks against Neural Ranking Models via In-Context Learning (Poster #25) Amin Bigdeli, Negar Arabzadeh, Ebrahim Bagheri and Charles L. A. Clarke	
	[ID=3, 15 Mins] SimPD: Comparing Two Ranked Lists based on Promotion and Demotion Magnitudes (Poster #26) Tetsuya Sakai	

	[ID=106, 15 Mins] TVR-Ranking: A Dataset for Ranked Video Moment Retrieval with Imprecise Queries (Poster #27) Renjie Liang, Chongzhi Zhang, Li Li, Jing Wang, Xizhou Zhu and Aixin Sun	
12:10 - 13:30	Lunch Break (buffet)	TANG (All Day Dining Restaurant)
13:30 - 13:45	Industry Talk 2 by Kuaishou: Recent Technical Advances in Recommender System of Kuaishou	Grand Ballroom
13:45 - 15:15	**Session 5: Representation Learning and Retrieval**	
	[ID=1, 15 Mins] A Combination-based Framework for Generative Text-image Retrieval (Poster #28) Kaipeng Li, Haitao Yu, Yubo Fang and Chao Lei	
	[ID=39, 15 Mins] Learning Refined Document Representations for Dense Retrieval via Deliberate Thinking (Poster #29) Yifan Ji, Zhipeng Xu, Zhenghao Liu, Yukun Yan, Shi Yu, Yishan Li, Zhiyuan Liu, Yu Gu, Ge Yu and Maosong Sun	
	[ID=51, 15 Mins] On the Interplay Between Graph Quality, Traversal Strategies, and Performance of ANN Retrieval Methods (Poster #30) Hrishikesh Kulkarni, Sean MacAvaney, Nazli Goharian and Ophir Frieder	
	[ID=14, 15 Mins] A Flexible and Scalable Framework for Video Moment Search (Poster #31) Chongzhi Zhang, Xizhou Zhu and Aixin Sun	
	[ID=9, 10 Mins] Empirical Asymptotic Growth of Dynamic Pruning Mechanisms (Poster #32) Luke Gallagher, Joel Mackenzie and Alistair Moffat	

	[ID=56, 10 Mins] C2T-ID: Converting Semantic Codebooks to Textual Document Identifiers for Generative Search (Poster #33) Yingchen Zhang, Ruqing Zhang, Jiafeng Guo, Wenjun Peng, Sen Li, Fuyu Lv and Xueqi Cheng	
	[ID=98, 10 Mins] ScaleFormer: Span Representation Cumulation for Long-Context Transformer (Poster #34) Jiangshu Du, Wenpeng Yin and Philip Yu	
15:15 - 16:15	Poster Session & Coffee Break	Grand Ballroom Lobby
16:15 - 17:45	**Session 6: Recommender Systems**	Grand Ballroom
	[ID=16, 15 Mins] MARCO: Cooperative Knowledge Transfer for Cross-domain Recommendations (Poster #35) Lili Xie, Yi Zhang, Ruihong Qiu, Jiajun Liu and Sen Wang	
	[ID=22, 15 Mins] LLM4MEA: Data-free Model Extraction Attacks on Sequential Recommenders (Poster #36) Shilong Zhao, Fei Sun, Kaike Zhang, Shaoling Jing, Du Su, Zhichao Shi, Zhiyi Yin, Huawei Shen and Xueqi Cheng	
	[ID=12, 15 Mins] Limitations of Current Evaluation Practices for Conversational Recommender Systems (Poster #37) Nolwenn Bernard and Krisztian Balog	
	[ID=63, 15 Mins] Dual-Enhanced Item Representation for Bundle Construction via Category-Wise and Cross-Modality Learning (Poster #38) Long-Hai Nguyen, Huy-Son Nguyen, Cam-Van Thi Nguyen, Duc-Trong Le, Atsuhiro Takasu and Hoang-Quynh Le	

	[TOIS, 15 Mins] Contrastive Clustering Learning for Multi-Behavior Recommendation (Poster #39) Wei Lan, Guoxian Zhou, Qingfeng Chen, Wenguang Wang, Shirui Pan, Yi Pan and Shichao Zhang	
	[TOIS, 15 Mins] Augmentation with Neighboring Information for Conversational Recommendation (Poster #40) Yuanxing Liu, Jiahuan Pei, Wei-Nan Zhang, Ming Li, Wanxiang Che and Maarten de Rijke	
18:30 - 20:30	Banquet	Grand Ballroom

Day 4: Wednesday (December 10) - Main Conference & Workshops

Timezone: CST (UTC +8)

Time	Event	Room
9:00 - 10:15	**Session 7: Language Modeling**	Grand Ballroom
	[ID=58, 15 Mins] ATACompressor: Adaptive Task-Aware Compression for Efficient Long-Context Processing in LLMs (Poster #41) Xuancheng Li, Haitao Li, Yujia Zhou, Qingyao Ai and Yiqun Liu	
	[ID=64, 15 Mins] Investigating LLM Variability in Personalized Conversational Information Retrieval (Poster #42) Simon Lupart, Daniël van Dijk, Eric Langezaal, Ian van Dort and Mohammad Aliannejadi	
	[ID=28, 15 Mins] Impact of LLM-Modified Queries and Documents in Training Data on Neural Retrieval Models (Poster #43) Yuto Nakachi and Makoto P. Kato	
	[ID=114, 15 Mins] Text Clustering as Classification with LLMs (Poster #44) Chen Huang and Guoxiu He	
	[TOIS, 15 Mins] Tagging Items with Emerging Tags: A Neural Topic Model Based Few-Shot Learning Approach (Poster #45) Shangkun Che, Hongyan Liu and Shen Liu	
10:15 - 10:35	Coffee Break	Grand Ballroom Lobby

10:35 - 12:05	**Session 8: User-System Interactions and Benchmarking**	Grand Ballroom
	[ID=82, 15 Mins] ISMIE: A Framework to Characterize Information Seeking in Modern Information Environments (Poster #46) Shuoqi Sun, Danula Hettiachchi and Damiano Spina	
	[ID=27, 15 Mins] Beyond Static Evaluation: Rethinking the Assessment of Personalized Agent Adaptability (Poster #47) Kirandeep Kaur, Preetam Dammu, Hideo Joho and Chirag Shah	
	[ID=41, 15 Mins] CT-Bench: Benchmarking Large Language Models on Chinese Text-to-Table Generation (Poster #48) Haoxiang Shi, Jiaan Wang, Cen Wang and Tetsuya Sakai	
	[ID=65, 15 Mins] Which Programming Language and Model Work Best With LLM-as-a-judge for Code Retrieval? (Poster #49) Lucas Roberts and Denisa Roberts	
	[ID=81, 15 Mins] Can We Hide Machines in the Crowd? Quantifying Equivalence in LLM-in-the-loop Annotation Tasks (Poster #50) Jiaman He, Zikang Leng, Dana McKay, Damiano Spina and Johanne R. Trippas	
	[TOIS, 15 Mins] Adapting Constrained Markov Decision Process for OCPC Bidding with Delayed Conversions (Poster #51) Leping Zhang, Xiao Zhang, Yichao Wang, Xuan Li, Zhenhua Dong and Jun Xu	
12:05 - 12:20	**Closing**	Grand Ballroom
12:20 - 14:00	Lunch Break (lunchbox)	Function Room 1

14:00 - 15:30	Workshop1: BREV-RAG: Beyond Relevance-based EValuation of RAG systems Tetsuya Sakai, Sijie Tao, Zhicheng Dou, Junjie Wang, Haoxiang Shi, Nuo Chen, Atsushi Keyaki	Grand Ballroom 2
	Workshop2: R3AG 2025: Workshop on Refined and Reliable Retrieval-Augmented Generation Haitao Yu, Yubo Fang, Xuri Ge, Xin xin, Zihan Wang, Junchen Fu, Joemon M. Jose, Weizhi Ma, and Zhaochun Ren	Grand Ballroom 3
15:30 - 16:00	Coffee Break	Grand Ballroom Lobby
16:00 - 17:30	Workshop1: BREV-RAG: Beyond Relevance-based EValuation of RAG systems Tetsuya Sakai, Sijie Tao, Zhicheng Dou, Junjie Wang, Haoxiang Shi, Nuo Chen, Atsushi Keyaki	Grand Ballroom 2
	Workshop2: R3AG 2025: Workshop on Refined and Reliable Retrieval-Augmented Generation Haitao Yu, Yubo Fang, Xuri Ge, Xin xin, Zihan Wang, Junchen Fu, Joemon M. Jose, Weizhi Ma, and Zhaochun Ren	Grand Ballroom 3
Poster-only TOIS Presentations		
[TOIS] Decoy Effect In Search Interaction: Understanding User Behavior and Measuring System Vulnerability (Poster #52) Nuo Chen, Jiqun Liu, Hanpei Fang, Yuankai Luo, Tetsuya Sakai and Xiao-Ming Wu		

Queensland Satellite

A SIGIR-AP 2025 satellite event will be held at UQ campuses this year. This is a unique opportunity for the Australian IR community to gather, share research, and connect with the larger Asia-Pacific IR community in real time.

● Event Details

The satellite event will run from December 7-10, across two locations:

◆ Sunday, December 7 - Tutorial day at St Lucia Campus

Building 78 General Purpose South, Level 4 (Rooms 411, 412, 421)
University of Queensland, St Lucia, QLD 4072, Australia

◆ **Monday - Wednesday, December 8-10 - Main satellite event + Workshop day at Brisbane City Campus**

Room OM14

308 Queen St, Brisbane City, QLD 4000, Australia

Our format includes:

- **Hybrid live stream:** We'll join the main conference broadcast, allowing seamless participation from Brisbane
- **Local schedule:** **View the full calendar here**
- **Local presentations:** Multiple local presentations are included, please refer to the calendar
- **Local keynote:** Professor Tim Miller from The University of Queensland
- **Social events:** Monday 8th of December 6pm at Corbett & Claude, 283 Elizabeth St, Brisbane City QLD 4000

Whether you're presenting or attending, this event offers a fantastic chance for networking and collaboration among Australian IR researchers.

● Local Keynote

Professor Tim Miller

Professor Tim Miller is a Professor of Artificial Intelligence in the School of Electrical Engineering and Computer Science at The University of Queensland. His research draws on machine learning, reinforcement learning, AI planning, interaction design, and cognitive science, to help people to make better decisions. He has done work on areas including explainable AI, human-AI planning, and human-centered decision support.