



SIGIR-AP

Information Retrieval in the Asia Pacific

# SIGIR-AP 2023

1<sup>st</sup> International ACM SIGIR Conference on Information  
Retrieval in the Asia Pacific

November 26-28·2023·Beijing· China



**SIGIR**  
Special Interest Group  
on Information Retrieval



智谱·AI



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# Welcome Message

## SIGIR-AP 2023 General Chairs' Welcome

Welcome to the First International ACM SIGIR Conference on Research and Development in Information Retrieval in the Asia Pacific (SIGIR-AP), held in Beijing, China in November 2023. As the first round of this annual ACM-sponsored international forum, SIGIR-AP aims to promote and disseminate information retrieval research and development within the Asia-Pacific region - defined as all of Asia, Australasia, and the islands of the Pacific and Indian Oceans.

As is noted in our Charter and Bylaws, SIGIR-AP will support remote/online attendance and remote presentation of papers in an ongoing manner. In addition, we will strive for carbon neutrality, including offering attendees the option of purchasing carbon credits at registration time, and via careful selection of the various conference services. We will also support satellite venues, and in 2023 are pioneering this idea with a local hub in Melbourne Australia, so that regional attendees can attend SIGIR-AP without incurring international travel costs and emission. Finally, we are sharing a tutorial day with the Chinese Conference on Information Retrieval (CCIR 2023), which assists participants without paper acceptance to join the event.

SIGIR-AP would not have been possible without the substantial contributions of numerous dedicated volunteers who generously devoted their time and effort. This includes members of our program committee and organizing committee. Specifically, we would like to extend our thanks to:

- **Local Organization Chairs:** Yanyan Lan, Yixing Fan, and Hongning Wang
- **Workshop Chairs:** Xiangnan He and Makoto Kato
- **Tutorial Chair:** Jiaxin Mao
- **Best Paper Chairs:** Noriko Kando and Gianluca Demartini

- **Proceedings Chairs:** Joel Mackenzie and Johanne Trippas
- **Sponsorship Chairs:** Qi Zhang and Zhifeng Bao
- **Registration Chairs:** Keping Bi
- **Web Masters:** Xiaohui Xie and Ruizhe Zhang
- **Publicity Chairs:** Ting Bai and Damiano Spina

We would also like to thank our sponsors, including Xiaohongshu, Zhipu AI and Kuaishou. As a young conference, having their support and engagement is really important for us, and beneficial to the whole IR community.

Finally, we would like to thank all authors, reviewers, keynote speakers, volunteers and attendants for their contributions to a successful SIGIR-AP. We hope you all enjoy the conference and your stay either in Beijing or Melbourne.

Sincerely,

**Qingyao Ai, Yiqin Liu, and Alistair Moffat**

General Co-Chairs, SIGIR-AP 2023

# **SIGIR-AP 2023 Program Chairs' Welcome**

We have had the privilege and challenge to be Program Chairs of a new conference that has several new elements. However, being aligned with the premier conference in information retrieval, SIGIR, meant that we could depend on receiving high-quality papers and on the opportunity to work with a program committee that included many world-leading researchers.

Our hopes for the program were justified by the outcomes. We received 88 papers, a strong result for a new conference, of which we accepted 32, or 36% - noting that these are papers that we believe would have been accepted at SIGIR. The accepted papers were not just from the Asia-Pacific region. Authors were from the countries and regions China, the United States, Australia, Japan, Singapore, Canada, India, Austria, Italy, Hong Kong, Germany, and the Netherlands. Amongst these, 65 included an author from China, with 18, 16, and 12 from the US, Australia, and Japan respectively.

One of the new elements was to use a single-track submission method rather than have separate tracks and reviewing. We encouraged authors to submit papers where length was appropriate to content, rather than have explicit short papers, and we received several papers of around half the maximum length. We also encouraged authors to submit Resource and Reproducibility papers as part of the main track. Our view is that such work forms part of a continuum of valuable research and that for a small conference it was appropriate to review them in the same pool.

Another new element, introduced in consultation with the SIGIR executive, was our use of greatly strengthened Guidance for Authors, based on principles developed at a Dagstuhl workshop (number 23031) held in January this year. We also introduced updates to the topics of interest to clarify the range of work of interest to the field.

Perhaps the most significant new element was the introduction of 'revise and resubmit' papers, in which authors were encouraged to use reviews from SIGIR 2023 to update their work and address reviewer comments. We received 13 such papers, of which 6 were accepted, thus strongly demonstrating the value of allowing iterative submission in this way. This process involved the cooperation of the SIGIR 2023 program committee chairs and track chairs, who (with the permission of the original reviewers) provided us with relevant reviews, which we in turn shared with

our program committee. We are deeply grateful for their support and look forward to revise-and-resubmit becoming an ongoing feature of the suite of conferences administered by SIGIR.

The reviewing process ran smoothly, thanks in large part to the professionalism of our program committees. Each paper was considered by three reviewers and one metareviewer, with consideration on the review system and some moderation by ourselves. With conclusive discussions in most cases, we found that there was no need to hold a program committee meeting, though the possibility of such a meeting was kept open; the small number of borderline cases was managed by us directly.

We thank all the reviewers for their enthusiastic and thorough contributions to the paper selection process and for the detailed reviews they provided - hopefully some of these will become revise-and-resubmit papers at the next SIGIR. We also thank the CIKM 2023 chairs, with whom we collaborated to ensure that there were no duplicate submissions.

The papers naturally formed clusters that we have arranged as oral presentation sessions on the following topics: conversational search, domains and applications, learning and ranking, legal/indexing, neural/fairness, and recommendation. These sessions also include six TOIS papers, whose authors chose SIGIR-AP for an in-person presentation, thus further strengthening the program.

As a final note, we particularly thank the general chairs for their close and careful oversight of the conference and for guiding this new event into existence. Under their stewardship, and that of their successors, we believe that it will grow into a key component of our research community and of how we work together to advance the field.

Sincerely,

**Xuanjing Huang, Tetsuya Sakai, and Justin Zobel**

Program Co-Chairs, SIGIR-AP 2023

# Sponsors

Sponsor



Diamond Supporter



Platinum Supporter



Bronze Supporter



# Xiaohongshu

小红书



Xiaohongshu was founded in Shanghai in 2013. **Taking "Inspire Lives" as our mission**, we encourage users to record moments in their life through short videos, posts, and livestreams to share on the platform their lifestyle and form communities with others in interactions concerning common hobbies and interests. Such ecology facilitates the conversion of content and business, giving birth to the unique "grass-planting economy" (meaning recommendation-based business). After 10 years of development, we are now mainly involved in three business segments: **Content community, Brand marketing and E-commerce transactions** and are seeing rapid growth in user scale and closer connectivity. As of December 2022, our platform has garnered over 260 million monthly active users, 20+ million monthly active creators, and 3 million releases of notes on a daily basis. With an ever-accumulating UGC content asset, Xiaohongshu is increasingly becoming **a zone featuring diverse lifestyles** and a life encyclopedia for users across generations.



One of the fastest-growing mobile internet platforms in China:  
**260+ million MAU** (Monthly Active Users) with over **50 million** daily searches



Unique **community atmosphere** and an expanding user base driven by the dual content structure consisting of both graphics and videos



Positive conversion from **high-quality content** to **recommendation-based marketing** contributes to the growing business value of the platform in the post-traffic era



A lifestyle platform ranging from personal shopping experience posts to individual creation of **UGC content**

As an Internet enterprise, We always shoulder the important responsibility of promoting technological innovation and industrial development. In terms of scientific research, since 2022, the Xiaohongshu technical team has made remarkable achievements in R&D innovation, with a total of 18 papers published in top international conferences such as AAAI, ACL, CVPR, ICCV, KDD, SIGIR, and top journals like IEEE TASLP, IEEE TGRS. These papers cover multiple fields including artificial intelligence, computer vision, data mining, information retrieval, natural language processing, voice, acoustics, and remote sensing. Up to now, the platform has been granted and holds 1450 patents, trademarks, and copyrights.

## 小红书技术REDtech

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

The Xiaohongshu technical team strives to build a team with first-class technical capabilities to provide every platform "resident" with a diverse, intelligent and stable life experience. REDtech provides a stable and powerful engine for our progress and their businesses cover AI algorithms, big data, basic technology, end technology, audio and video, security technology, and enterprise efficiency.

**小红书技术REDtech** Established in April, 2022, the account has published a number of viral articles, attracting the tens of thousands of followers. Here, you can find the answers about how we deliver such large amount of diverse content, instant comments feedback, and active community interaction. We look forward to taking the next step with you!

We sincerely welcome technical talents to join us for a long time, to accept the cutting-edge technology challenges in the industry with us, to jointly implement different business scenarios. Come and join REDcity !

••• REDtech exclusive referral code: IRS7GRMROI



Welcome to follow us

# Innovation Practices in Xiaohongshu Search

Time: November 27th, 16:00 Location: Ballroom, 2nd Floor

Search engines play a crucial role in bridging the connection between users and content. Compared to traditional search engines, the search engine of Xiaohongshu, due to its extensive topic coverage, strong long-tail effect and various content modality, emphasizes the importance of semantic understanding as a key technical element. This presentation will encompass our technological achievements in multimodal semantic understanding and how these technology is applied to practical scenarios such as indexing, retrieval, and ranking in the search engine of Xiaohongshu.



Zeng Shu  
Research Engineer

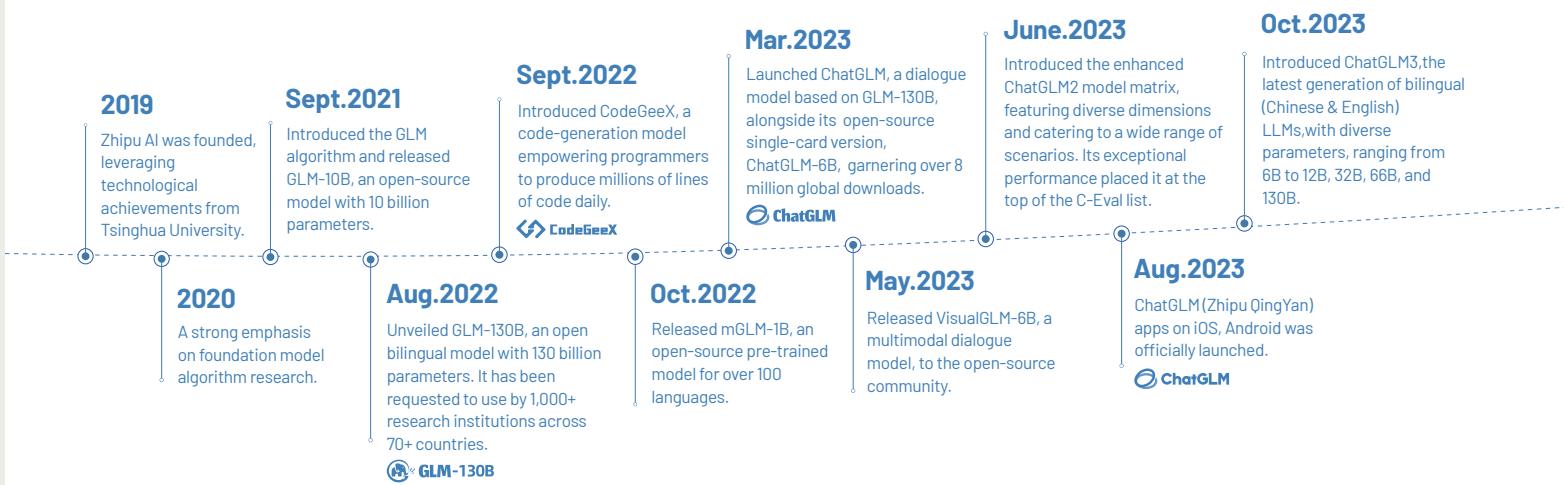
Zeng Shu received his Master's degree from the Department of Electronic Engineering at Tsinghua University. With a professional background in algorithm work related to natural language processing, recommendation systems, and search within the field of the internet, he currently serve in the Xiaohongshu's community search team, overseeing technology aspects such as retrieval and vertical search.



Zhipu AI is an artificial intelligence company with the mission of teaching machines to think like humans. Our world-leading AI team has developed the cutting-edge large language and multimodal models (e.g., ChatGLM, GLM-130B, CodeGeeX, CogVLM, and CogView) and built the high-precision billion-scale knowledge graphs, the combination of which uniquely empowers us to create a powerful data- and knowledge-driven cognitive engine towards AGI.

On March 14, 2023, we released ChatGLM ([chatglm.cn](https://chatglm.cn)) with the mode size ranging from 6B to 12B, 32B, 66B, and 130B parameters, among which the ChatGLM-6B and its successors (ChatGLM3/2-6B) has been open-sourced. Within six months, they have been widely adopted with 10,000,000 downloads and 600 ChatGLM-based open spaces on Hugging Face, topping its trending board for four weeks. The ChatGLM models are powering the ChatGLM (Zhipu QingYan) apps on iOS, Android, PCs, [chatglm.cn](https://chatglm.cn) site, and chatglm-turbo API services, with numerous state of the art features, including function call, code interpreter, plugins, browse with the Web, text to image generation, and image to text understanding. Our enterprise services include Model as a Service ([bigmodel.cn](https://bigmodel.cn)), digital humans, and scientific technological information solutions, serving thousands of business and government customers.

By leveraging the immense potential of large cognitive models, Zhipu AI are driving continuous innovation and transformation across diverse industries. For all of these, the team has won the ACM SIGKDD Test of Time Award, the National Science and Technology Award (2nd), and the Beijing Invention Patent Award (1st). Our ultimate goal is to accelerate progress towards AGI. For more information, please visit our official website at <https://zhipuai.cn/en/>.



# Conference Organization

**General Chairs:** Qingyao Ai (*Tsinghua University, China*)  
Yiqin Liu (*Tsinghua University, China*)  
Alistair Moffat (*The University of Melbourne, Australia*)

**Program Chairs:** Xuanjing Huang (*Fudan University, China*)  
Tetsuya Sakai (*Waseda University, Japan*)  
Justin Zobel (*The University of Melbourne, Australia*)

**Local Organization Chairs:** Yixing Fan (*Chinese Academy of Sciences, China*)  
Yanan Lan (*Tsinghua University, China*)  
Hongning Wang (*Tsinghua University, China*)

**Workshop Chairs:** Xiangnan He (*University of Science and Technology of China, China*)  
Makoto P. Kato (*University of Tsukuba, Japan*)

**Tutorial Chair:** Jiaxin Mao (*Renmin University of China, China*)

**Best Paper Chairs:** Gianluca Demartini (*The University of Queensland, Australia*)  
Noriko Kando (*National Institute of Informatics, Japan*)

**Proceedings Chairs:** Joel Mackenzie (*The University of Queensland, Australia*)  
Johanne Trippas (*RMIT University, Australia*)

**Sponsorships Chairs:** Zhifeng Bao (*RMIT University, Australia*)  
Qi Zhang (*Fudan University, China*)

**Registration Chair:** Keping Bi (*Chinese Academy of Sciences, China*)

**Web Masters:** Xiaohui Xie (*Tsinghua University, China*)  
Ruizhe Zhang (*Tsinghua University, China*)

**Publicity Chairs:** Ting Bai (*Beijing University of Posts and Telecommunications, China*)  
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Yadong Zhu (*Mobvista*)  
Yuanyuan Zhu (*Wuhan University*)  
Yunchang Zhu (*Institute of Computing Technology, Chinese Academy of Sciences*)  
Shengyao Zhuang (*The University of Queensland*)  
Lixin Zou (*Wuhan University*)  
Zhiya Zuo (*City University of Hong Kong*)

# Important Information

## WIFI ACCESS

- For meeting guests, search for the hotel public WiFi with the beginning of **IHG**, and then select SMS to verify and log in.
- For In-house guests, search for the hotel public WiFi through the room number and surname spelling (capitalized), and then select SMS to verify and log in. The front desk will tell domestic or foreign guests the WIFI when they are staying.

## CONFERENCE VENUE

### **InterContinental Beijing Beichen**

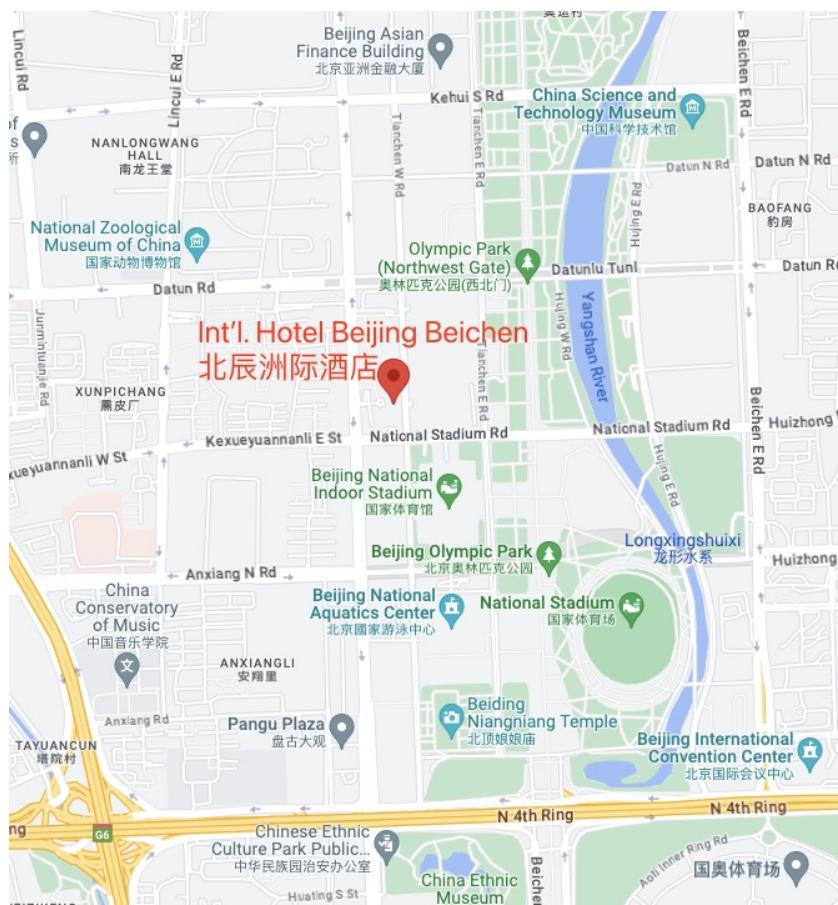
Address: Building 4, No. 8, Beichen West Road, Chaoyang District, Beijing

InterContinental Beijing Beichen is a luxury hotel that stands out for its scenic location next to the National Stadium and the National Aquatics Center with easy access to the Beijing Capital International Airport, the Great Wall, various places of historic interest and business districts. Particularly, it is adjacent to the Olympic Forest Park and connected with the China National Convention Center which is reputed as the largest conference and exhibition center in Asia.

Hailed as a masterpiece of modern architectural design for its outstanding appearance, the hotel boasts cutting-edge conference facilities, 3 distinctive restaurants, and bars, which cater to business travelers at home and abroad as well as ceremony attendees. Its guest rooms offer spectacular views, some of which enjoys the fantastic scenery of the National Aquatics Center.

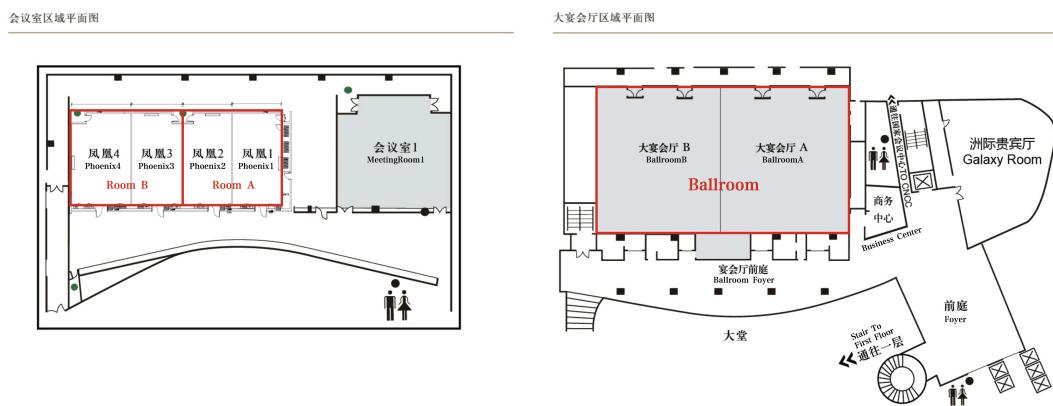
The hotel boasts the following fine-dining restaurants: Café O2, reputed for its 24/7 snack services and international buffet selections; DI Chinese Restaurant, specializing in Cantonese cuisine and other Chinese specialties; Italian Trattoria, popular for diversified classic Italian foods and fine Italian wines. In addition, the Lobby Lounge in the hotel also provides tasty tea, snacks, and wine for relaxation.

The hotel specially sets up a lounge for its VIPs which spreads 350sq.m. and offers one-stop exclusive custom services. The lounge falls into the sections for high-level meetings, dinner service, and entertainment, which brings you all-around superior services. Particularly, the spacious meeting room accommodates over 100 people and boasts a floor-to-ceiling window through which you can enjoy the fabulous view of the National Stadium and the National Aquatics Center, which quite eases your mind during meetings. The entertainment room is equipped with KTV facilities and a 75-inch home cinema, which serves as a perfect place of joy and relaxation after meetings.



## FLOORPLAN

The Cafe O2 is located on the first floor of the hotel, to the left of the South Entrance. Below is the floor plan of the second floor of the hotel.



## TRANSPORTATION TO THE CONFERENCE VENUE

To the Beijing Capital International Airport, Distance: about 25km, Approximate fees and period by taxi: RMB 85 and 40 minutes.

To the Beijing Daxing International Airport, Distance: about 65km, Approximate fees and period by taxi: RMB 180 and 80 minutes.

To the nearest subway station, 10-minute walk to the Olympic Forest Park station on Line 8 of the Beijing Subway.

To the nearest bus station. Takes only 3 minutes by foot.

# Program at a Glance

| Time        | Duration | Day 1, November 26                             |                     |
|-------------|----------|--|---------------------|
| 8:30–10:00  | 90 mins  | TUTORIAL 1 [Room A]                            | TUTORIAL 2 [Room B] |
| 10:00–10:15 | 15 mins  | Coffee Break                                   |                     |
| 10:15–11:45 | 90 mins  | TUTORIAL 1 [Room A]                            | TUTORIAL 2 [Room B] |
| 11:45–13:00 | 75 mins  | Lunch by own                                   |                     |
| 13:00–14:30 | 90 mins  | TUTORIAL 3 [Room A]                            | TUTORIAL 4 [Room B] |
| 14:30–14:45 | 15 mins  | Coffee Break                                   |                     |
| 14:45–16:30 | 105 mins | TUTORIAL 3 [Room A]                            | TUTORIAL 4 [Room B] |
| 18:00–20:15 | 135 mins | Reception @ Cafe O2                            |                     |
| Time        | Duration | Day 2, November 27                             |                     |
| 8:30–8:45   | 15 mins  | Open Ceremony @ Ballroom                       |                     |
| 8:45–9:45   | 60 mins  | Keynote @ Ballroom                             |                     |
| 9:45–10:15  | 30 mins  | Coffee Break                                   |                     |
| 10:15–11:45 | 90 mins  | Session 1(Conversational Search) @ Ballroom    |                     |
| 11:45–12:45 | 60 mins  | Lunch @ Cafe O2                                |                     |
| 12:45–14:00 | 75 mins  | Session 2(Domains and Applications) @ Ballroom |                     |
| 14:00–14:30 | 30 mins  | Coffee Break                                   |                     |
| 14:30–16:00 | 90 mins  | Session 3(Learning and Ranking) @ Ballroom     |                     |
| 16:00–16:30 | 30 mins  | Industry Talk @ Ballroom                       |                     |
| 16:30–18:00 | 90 mins  | Poster Session                                 |                     |
| 18:00–20:00 | 120 mins | Banquet(Jingweizhai Roasted Duck Restaurant)   |                     |
| Time        | Duration | Day 3, November 28                             |                     |
| 8:30–10:00  | 90 mins  | Session 4(Legal/Indexing) @ Ballroom           |                     |
| 10:00–10:30 | 30 mins  | Coffee Break                                   |                     |
| 10:30–12:00 | 90 mins  | Session 5(Neural/Fairness) @ Ballroom          |                     |
| 12:00–13:00 | 60 mins  | Lunch @ Cafe O2                                |                     |
| 13:00–14:30 | 90 mins  | Session 6(Recommendation) @ Ballroom           |                     |
| 14:30–14:45 | 15 mins  | Close Ceremony @ Ballroom                      |                     |

# Keynote Talk

## Simulation for Recommendations in Dynamic and Interactive Environments



**Maarten de Rijke**

University of Amsterdam & ICAI, Amsterdam, The Netherlands.

**Time:** November 27, 8:45-9:45

**Room:** Ballroom

**Abstract:** Simulators can provide valuable insights for researchers and practitioners who wish to improve recommender systems. Simulators allow us to easily tweak the experimental setup in which recommender systems operate, and as a result lower the cost of identifying general trends and uncovering novel findings about the candidate methods. A key requirement to enable this accelerated improvement cycle is that the simulator is able to span the various sources of complexity that can be found in the real recommendation environment that it simulates.

In the talk I argue that with the emergence of interactive and data-driven methods – e.g., reinforcement learning or online and counterfactual learning-to-rank – that aim to achieve user-related goals beyond the traditional accuracy-centric objectives, adequate simulators are needed. In particular, such simulators must model the various mech-

anisms that render the recommendation environment dynamic and interactive, e.g., the effect of recommendations on the user or the effect of biased data on subsequent iterations of the recommender system. I describe the proposal of a flexible and interpretable recommendation simulator that can help accelerate research in interactive and data-driven recommender systems. I demonstrate its usefulness by studying existing methods within diverse environments derived from the simulator.

The talk is based on joint work with Romain Deffayet, Thibaut Thonet, Dongyoon Hwang, Vassilissa Lehoux, and Jean-Michel Renders.

**Short Bio:** Maarten de Rijke is a Distinguished University Professor of Artificial Intelligence and Information Retrieval at the University of Amsterdam. His research is focused on designing and evaluating trustworthy technology to connect people to information, particularly search engines, recommender systems, and conversational assistants. He is also the scientific director of the Innovation Center for Artificial Intelligence (ICAI), a national collaboration between academic, industrial, governmental, and societal stakeholders aimed at talent development, research, and impact in AI.

# Industry Talk

## Innovation Practices in Xiaohongshu Search

**Time:** November 27, 16:00-16:30

**Room:** Ballroom

**Abstract:** Search engines play a crucial role in bridging the connection between users and content. Compared to traditional search engines, the search engine of Xiaohongshu, due to its extensive topic coverage, strong long-tail effect and various content modality, emphasizes the importance of semantic understanding as a key technical element. This presentation will encompass our technological achievements in multimodal semantic understanding and how these technology is applied to practical scenarios such as indexing, retrieval, and ranking in the search engine of Xiaohongshu.

# Main Conference Program

## Day 1, November 26

| TUTORIALS       |                        |  |
|-----------------|------------------------|--|
| 8:30–<br>10:00  | TUTORIALS 1:<br>Room A | User Simulation for Evaluating Interactive Information Access Systems; Chengxiang Zhai   |
| 8:30–<br>10:00  | TUTORIALS 2:<br>Room B | Rethinking Conversational Agents in the Era of LLMs: Proactivity, Non-collaborativity, and Beyond; Yang Deng, Wenqiang Lei, Minlie Huang and Tat-Seng Chua |
| 10:00–<br>10:15 | Coffee Break           |  |
| TUTORIALS       |                        |  |
| 10:15–<br>11:45 | TUTORIALS 1:<br>Room A | User Simulation for Evaluating Interactive Information Access Systems; Chengxiang Zhai   |
| 10:15–<br>11:45 | TUTORIALS 2:<br>Room B | Rethinking Conversational Agents in the Era of LLMs: Proactivity, Non-collaborativity, and Beyond; Yang Deng, Wenqiang Lei, Minlie Huang and Tat-Seng Chua |
| 11:45–<br>13:00 | Lunch by own           |  |
| TUTORIALS       |                        |  |
| 13:00–<br>14:30 | TUTORIALS 3:<br>Room A | Recent Advances in Generative Information Retrieval; Yubao Tang, Ruqing Zhang, Jiafeng Guo and Maarten de Rijke  |

|                 |                        |  |
|-----------------|------------------------|--|
| 13:00–<br>14:30 | TUTORIALS 4:<br>Room B | Large Language Models for Recommendation: Progresses and Future Directions; Keqin Bao, Jizhi Zhang, Yang Zhang, Wenjie Wang, Fuli Feng and Xiangnan He |
| 14:30–<br>14:45 |                        | Coffee Break   |
| TUTORIALS       |                        |  |
| 14:45–<br>16:30 | TUTORIALS 3:<br>Room A | Recent Advances in Generative Information Retrieval; Yubao Tang, Ruqing Zhang, Jiafeng Guo and Maarten de Rijke  |
| 14:45–<br>16:30 | TUTORIALS 4:<br>Room B | Large Language Models for Recommendation: Progresses and Future Directions; Keqin Bao, Jizhi Zhang, Yang Zhang, Wenjie Wang, Fuli Feng and Xiangnan He |
| 18:00–<br>20:15 |                        | Reception: Cafe O2   |

## Day 2, November 27

|                 |   |  |
|-----------------|---|--|
| 8:30–<br>8:45   | Open Ceremony: Ballroom                                     |  |
| 8:45–<br>9:45   | Keynote:<br>Ballroom  | Simulation for Recommendations in Dynamic and Interactive Environments; Maarten de Rijke   |
| 9:45–<br>10:15  | Coffee Break  |  |
|                 | Chairs: Keping Bi   | Session 1(Conversational Search): Ballroom   |
| 10:15–<br>10:30 | Presenter: Jie Zou (In Person)                              | Users Meet Clarifying Questions: Toward a Better Understanding of User Interactions for Search Clarification(TOIS);Jie Zou; Aliannejadi, Mohammad; Kanoulas, Evangelos; Pera, Maria Soledad; Yiqun Liu |
| 10:30–<br>10:45 | Presenter: Shiyu Ni (In Person)                             | A Comparative Study of Training Objectives for Clarification Facet Generation; Shiyu Ni, Keping Bi, Jiafeng Guo and Xueqi Cheng  |
| 10:45–<br>11:00 | Presenter:<br>Siqing Huo (In Person)                        | Retrieving Supporting Evidence for Generative Question Answering; Siqing Huo, Negar Arabzadeh and Charles Clarke   |
| 11:00–<br>11:15 | Presenter:<br>Yiu-Kai Ng (Virtual)                          | Recommending Answers to Math Questions Based on KL-Divergence and Approximate XML Tree Matching; Sigi Gao and Yiu-Kai Ng   |
| 11:15–<br>11:30 | Presenter: Junjie Wang, Yiyao Yu, Yuxiang Zhang (In Person) | Ethical Alignment Meets Conversational Information Retrieval; Yiyao Yu, Junjie Wang, Yuxiang Zhang, Lin Zhang, Yujiu Yang and Tetsuya Sakai  |
| 11:30–<br>11:37 | Presenter:<br>Akihisa Watanabe (In Person)                  | Open-Domain Dialogue Quality Evaluation: Deriving Nugget-level Scores from Turn-level Scores; Rikiya Takehi, Akihisa Watanabe and Tetsuya Sakai  |

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|-----------------|--------------------------------------|---|
| 11:38-<br>11:45 | Presenter: Guido Zuccon (Virtual)    | ChatGPT Ballroomcicates when Attributing Answers; Guido Zuccon, Bevan Koopman and Razia Shaik   |
| 11:45-<br>12:45 |                                      | Lunch: Cafe O2  |
|                 | Chairs: Jieming Zhu                  | Session 2(Domains and Applications): Ballroom   |
| 12:45-<br>13:00 | Presenter: Yang Deng (In Person)     | Multimodal Fashion Knowledge Extraction as Captioning(TOIS);Yifei Yuan, Wenxuan Zhang, Yang Deng and Wai Lam  |
| 13:00-<br>13:15 | Presenter: Zhumin Chu (In Person)    | Chuweb21D: A Deduped English Document Collection for Web Search Tasks; Zhumin Chu, Tetsuya Sakai, Qingyao Ai and Yiqun Liu  |
| 13:15-<br>13:30 | Presenter: Shuai Wang (Virtual)      | Generating Natural Language Queries for More Effective Systematic Review Screening Prioritisation; Shuai Wang, Harrisen Scells, Bevan Koopman, Martin Potthast and Guido Zuccon |
| 13:30-<br>13:45 | Presenter: Xiaoyue Zhang (In Person) | Examination of Information Problem Decomposition Strategies: A New Perspective for Understanding Users' Information Problems in Search as Learning; Xiaoyue Zhang and Chang Liu |
| 13:45-<br>14:00 | Presenter:                           | ReviVal: Towards Automatically Evaluating the Informativeness of Peer Reviews; Rajeev Verma, Tirthankar Ghosal, Saprativa Bhattacharjee, Asif Ekbal and Pushpak Bhattacharyya   |
| 14:00-<br>14:30 |                                      | Coffee Break  |
|                 | Chairs: Charles Clarke               | Session 3(Learning and Ranking): Ballroom   |
| 14:30-<br>14:45 | Presenter: (In Person)               | Few-Shot Aspect Category Sentiment Analysis via Meta-Learning(TOIS); Bin Liang; Xiang Li; Lin Gui; Yonghao Fu; Yulan He; Min Yang; Ruifeng Xu                                   |

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|-----------------|---|--|
| 14:45–<br>15:00 | Presenter: Leilei Kong (In Person)      | RFR: Representation-Focused Replay for Overcoming the Catastrophic Forgetting in Lifelong Language Learning; Zhongyuan Han, Zeyang Peng, Leilei Kong, Zhanhong Ye, Mingjie Huang and Haoliang Qi                 |
| 15:00–<br>15:15 | Presenter: Tesi Xiao (Virtual)          | Towards Sequential Counterfactual Learning to Rank; Tesi Xiao, Branislav Kveton, Sumeet Katariya, Tanmay Gangwani and Anshuka Rangi  |
| 15:15–<br>15:30 | Presenter: Haiyuan Zhao (In Person)     | Unbiased Top-k Learning to Rank with Causal Likelihood Decomposition; Haiyuan Zhao, Jun Xu, Xiao Zhang, Guohao Cai, Zhenhua Dong and Ji-Rong Wen   |
| 15:30–<br>15:45 | Presenter: Sophia Althammer (In Person) | Annotating Data for Fine-Tuning a Neural Ranker? Current Active Learning Strategies are not Better than Random Selection; Sophia Althammer, Guido Zuccon, Sebastian Hofstätter, Suzan Verberne and Allan Hanbury |
| 15:45–<br>16:00 | Presenter: Xueguang Ma (Virtual)        | Enhancing Sparse Retrieval via Unsupervised Learning; Xueguang Ma, Hengxin Fun, Xusen Yin, Antonio Mallia and Jimmy Lin  |
| 16:00–<br>16:30 | Industry Talk:<br>Ballroom              | Innovation Practices in Xiaohongshu Search   |
| 16:30–<br>18:00 |   | Poster Session   |
| 18:00–<br>20:00 |   | Banquet(Jingweizhai Roasted Duck Restaurant)   |

## Day 3, November 28

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|                 | Chairs:<br>Zhaochun Ren                 | Session 4(Legal/Indexing): Ballroom  |
| 8:30–<br>8:45   | Presenter:<br>Yunqiu Shao (In Person)   | Understanding Relevance Judgments in Legal Case Retrieval(TOIS); Yunqiu Shao; Yueyue Wu; Yiqun Liu; Jiaxin Mao; Shaoping Ma  |
| 8:45–<br>9:00   | Presenter:<br>Ruizhe Zhang (In Person)  | Result Diversification for Legal case Retrieval; Ruizhe Zhang, Qingyao Ai, Yueyue Wu, Yixiao Ma and Yiqun Liu  |
| 9:00–<br>9:15   | Presenter:<br>Beining Wang (In Person)  | Investigating the Influence of Legal Case Retrieval Systems on Users' Decision Process; Beining Wang, Ruizhe Zhang, Yueyue Wu, Qingyao Ai, Min Zhang and Yiqun Liu |
| 9:15–<br>9:30   | Presenter:<br>Youchao Zhou (In Person)  | Boosting legal case retrieval by query content selection with large language models; Youchao Zhou, Heyan Huang and Zhijing Wu                                      |
| 9:30–<br>9:45   | Presenter:<br>Alistair Moffat (Virtual) | Lossy Compression Options for Dense Index Retention; Joel Mackenzie and Alistair Moffat  |
| 9:45–<br>10:00  | Presenter:<br>Wenyue Hua (Virtual)      | Understanding Item Indexing Methods for Recommendation Foundation Models; Wenyue Hua, Shuyuan Xu, Yingqiang Ge and Yongfeng Zhang                                  |
| 10:00–<br>10:30 |   | Coffee Break   |
|                 | Chairs: Jun Xu                          | Session 5(Neural/Fairness): Ballroom   |
| 10:30–<br>10:45 | Presenter: (In Person)                  | Complex-valued Neural Network based Quantum Language Models(TOIS); Peng Zhang; Wenjie Hui; Benyou Wang; Donghao Zhao; Dawei Song; Christina Lioma; Jakob Simonsen  |

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| 10:45–<br>11:00 | Presenter:<br>Xiaoyu Tan (In Person)         | Bridging the Gap Between Universal and Segmentation-specific Representation: Adaptive Learning on User Segmentation with Bipartite Neural Interaction; Xiaoyu Tan, Yongxin Deng, Chao Qu, Siqiao Xue, Xiaoming Shi, James Zhang and Xihe Qiu |
| 11:00–<br>11:15 | Presenter:<br>Shengyao Zhuang (Virtual)      | Typos-aware Bottlenecked Pre-Training for Robust Dense Retrieval; Shengyao Zhuang, Linjun Shou, Jian Pei, Ming Gong, Houxing Ren, Guido Zuccon and Dixin Jiang   |
| 11:15–<br>11:30 | Presenter:<br>Ekaterina Khramtsova (Virtual) | Selecting which Dense Retriever to use for Zero-Shot Search; Ekaterina Khramtsova, Shengyao Zhuang, Mahsa Baktashmotagh, Xi Wang and Guido Zuccon  |
| 11:30–<br>11:45 | Presenter:<br>Qingyao Ai (In Person)         | Vertical Allocation-based Fair Exposure Amortizing in Ranking; Tao Yang, Zhichao Xu and Qingyao Ai   |
| 11:45–<br>12:00 | Presenter:<br>Hengchang Hu (In Person)       | Automatic Feature Fairness in Recommendation via Adversaries; Hengchang Hu, Yiming Cao, Zhankui He, Samson Tan and Min-Yen Kan   |
| 12:00–<br>13:00 | Lunch: Cafe O2                               |  |
|                 | Chairs: Weizhi Ma                            | Session 6(Recommendation): Ballroom  |
| 13:00–<br>13:15 | Presenter:<br>Weike Pan (In Person)          | A Generic Federated Recommendation Framework via Fake Marks and Secret Sharing(TOIS); Zhaohao Lin; Weike Pan; Qiang Yang; Zhong Ming   |
| 13:15–<br>13:30 | Presenter: Long Xia (In Person)              | Sequential Recommendation with User Evolving Preference Decomposition; Weiqi Shao, Xu Chen, Jiashu Zhao, Long Xia, Jingsen Zhang and Dawei Yin   |
| 13:30–<br>13:45 | Presenter: Ming Li (In Person)               | User-Meal Interaction Learning for Meal Recommendation: A Reproducibility Study; Ming Li, Lin Li, Xiaohui Tao and Ning Zhong   |

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| 13:45-<br>14:00 | Presenter:<br>Kazunari<br>Sugiyama<br>(Virtual) | Multi-Behavior Job Recommendation with Dynamic Availability;<br>Yosuke Saito and Kazunari Sugiyama   |
| 14:00-<br>14:15 | Presenter: Yi Yu<br>(Virtual)                   | AdaReX: Cross-Domain, Adaptive, and Explainable Recommender System; Yi Yu, Kazunari Sugiyama and Adam Jatowt                                 |
| 14:15-<br>14:22 | Presenter: Jun<br>Xu (In Person)                | Reinforcement Re-ranking with 2D Grid-based Recommendation Panels; Sirui Chen, Xiao Zhang, Xu Chen, Zhiyu Li, Yuan Wang, Quan Lin and Jun Xu |
| 14:22-<br>14:30 | Presenter:<br>Pranav Kasela<br>(In Person)      | SE-PEF: a Resource for Personalized Expert Finding; Pranav Kasela, Gabriella Pasi and Raffaele Perego  |
| 14:30-<br>14:45 | Close Ceremony: Ballroom                        |  |

