

KDD 2025 Workshop on Online and Adaptive Recommender Systems (OARS)

Call For Papers

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KDD OARS is a half day workshop taking place on August 6th, 2025 in conjunction with KDD 2025 in Toronto, Ontario, Canada.

Workshop website: <https://oars-workshop.github.io/>

Important Dates:

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- Submissions Due - May 8th, 2025
- Notification - June 8th, 2025
- Camera Ready Version of Papers Due - July 6th, 2025
- Workshop Day - August 6th, 2025

Details:

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The international workshop on Online and Adaptive Recommender Systems (OARS) will serve as a platform for publication and discussion of OARS. It will bring together practitioners and researchers from academia and industry to discuss the challenges and new approaches to implement OARS algorithms and systems and improve user experiences by better modeling and responding to user intent.

We invite submission of papers and posters, representing original research, new position and opinion, preliminary results, proposals for new tools, datasets, and resources. All submitted papers will be single-blind and will be peer reviewed by an international program committee of researchers of high repute. Accepted submissions will be presented at the workshop.

Topics of interest include, but are not limited to:

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- (multi-modal) LLMs in RecSys (2025 special theme)
 - Conversational and interactive RecSys using LLMs
 - Humanized and adaptive recommendation experiences with LLMs
 - Enhance product understanding and representation using LLMs
 - Improve the generalization and relevancy of RecSys via LLMs
 - LLM backbone RecSys
 - Improve the explanation and reasoning of RecSys via LLMs
 - Evaluation of RecSys using LLMs
 - Scaling LLMs in RecSys
 - Evaluation for embedding, ranking, and other services
- New algorithms and paradigms (foundation models, deep learning, reinforcement learning, online learning etc.)

- New use cases (product, content, fashion/decor, job, healthy lifestyle, interactive/conversational recommendations, etc.)
- New user modeling and representations (real-time user intent/style/taste modeling, combine with long term interest, incorporation of knowledge graph)
- New product understanding and representation methodologies
- New architecture and infrastructure (RAG and similar architectures, novel and scalable deep learning architectures, streaming and event-driven processing, etc.)
- New evaluations and explanations methods (evaluation, comparison, explanation of OARS for a recommendation task, off-policy and counterfactual evaluation, etc.)
- New social and user impact areas (UX, welfare, objectives of OARS, privacy and ethics considerations, etc.)

Submission Instructions:

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All papers will be peer reviewed (single-blind) by the program committee and judged by their relevance to the workshop, especially to the main themes identified above, and their potential to generate discussion.

All submissions must be formatted according to the ACM Conference Proceeding templates (two column format).

Submissions must describe work that is not previously published, not accepted for publication elsewhere, and not currently under review elsewhere. All submissions must be in English.

Please note that at least one of the authors of each accepted paper must register for the workshop and present the paper in-person.

Submissions to KDD OARS workshop should be made at <https://easychair.org/my/conference?conf=oarskdd2025>

ORGANIZERS:

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Xiquan Cui	The Home Depot, USA
Derek Zhiyuan Cheng	Google, USA
Fei Liu	Emory University, USA
Tao Ye	Amazon, USA
Julian McAuley	UCSD, USA
Vachik Dave	Walmart Labs, USA
Stephen Guo	Indeed, USA

Contact: Please direct all your queries to xiquan_cui@homedepot.com for help.