The 3rd International Workshop on

INTERACTIVE AND SCALABLE INFORMATION RETRIEVAL METHODS FOR E-COMMERCE
(*ISIR-eCom 2024*)

Call For Papers

Workshop website: https://isir-ecom.github.io/

Important Dates:

Submissions Due	Jan 15
Notification	Feb 01
Camera Ready Version Due	Feb 23
Workshop Day	March 08

Description:
This workshop will provide a forum to discuss and learn the latest trends for interactive and scalable information retrieval approaches for eCommerce. It will provide academic and industrial researchers a platform to present their latest works, share research ideas, present and discuss various challenges, and identify the areas where further research is needed. It will foster the development of a strong research community focused on solving eCommerce-related information retrieval problems that provide superior eCommerce experience to all users.

Topics of interest include, but are not limited to:
• LLMs in eCommerce
  – Conversational Search using LLMs
  – LLMs for intent understanding
  – Model distillation from LLMs for e-Commerce
  – Attribute extraction using LLMs
  – Label generation for e-Commerce
• Query Understanding
  – Type-ahead/auto-completion, spell correction
  – LLMs for overall query understanding
  – Non-text query understanding
  – Attribute understanding
  – Implicit query intent understanding
• Product Understanding
  – Product intent and facets
  – Product knowledge graph
  – Product review summary using LLMs
  – Ontology mining for product graph construction

- Product Retrieval and Ranking
  - Product indexing and recall
  - Scalable and real-time indexing for frequently changing products (offers, auctions, etc.)
  - Recall and Ranking for multi-faceted products and multi-attributed queries
  - Ranking for Relevance vs Popularity vs Business trade-offs
  - Search Re-Ranking
- Personalization and Recommendation
  - Interactive Search for personalization
  - Product Question Answering
  - Context and/or location based personalization
  - User attribute based personalization
  - Personalized and Semantic Retrieval
  - LLMs for recommendations
- Conversational Search and Recommendation
  - Multi-turn product search and recommendation
  - Conversational query understanding and re-writing
  - Clarification and preference elicitation
  - Conversational result presentation and explanation
- Cross-domain learning
  - Transfer learning for NLP
  - Cross-domain conversational search system
  - Transfer learning for cross-domain product ranking
  - Multi-modal conversational systems for eCommerce
- Other Topics
  - Feature learning for eCommerce search
  - Search & Recommendations: Fairness and trust for market-places
  - Balancing sponsorship vs relevance tread off in search results
  - Robust training objective and effective experimental strategy for IR models
  - End-to-End solution for interactive and scalable search framework

Submission Instructions:

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 in PDF format according to the latest [ACM template published in the ACM guidelines](#) (two column format). Please select the generic "sigconf" sample and for blind manuscript submission recommended setting for Latex file of manuscript is: \documentclass[sigconf, anonymous, review]{acmart}. The PDF files must have all non-standard fonts embedded. 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. We invite researchers to contribute as full research papers (up to 8 + 2 pages) and/or

short papers (up to 5+1 pages). Full workshop papers should not exceed 10 pages in length (maximum 8 pages for the main paper content + maximum 2 pages for references).

Please note that at least one of the authors of each accepted paper must register for the workshop and attend the online session to present the paper during the workshop.

Submissions to ISIR-eCom 2024 workshop should be using easychair: link here

Organizers:
- Vachik S. Dave   Walmart Global Tech
- Linsey Pang   Salesforce
- Xiquan Cui   The Home Depot
- Chen Luo   Amazon
- Hamed Zamani   University of Massachusetts, Amherst
- Lingfei Wu   Pinterest
- George Karypis   University of Minnesota Twint-cities

Contact us:
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