SIGIR 2020 Workshop on eCommerce (SIGIR eCom)
Thursday, July 30, 2020
Xi'an, China

Call For Papers

SIGIR eCom is a full day workshop taking place on Thursday, July 30, 2020 in conjunction with SIGIR 2020 in Xi'an, China.

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

Important Dates:
- Submissions Due - May 25, 2020
- Notification - June 15, 2020
- Camera Ready Version of Papers Due - June 20, 2020
- SIGIR eCom Full day Workshop - July 30, 2020

The SIGIR Workshop on eCommerce will serve as a platform for publication and discussion of Information Retrieval and NLP research & their applications in the domain of eCommerce. This workshop will bring together practitioners and researchers from academia and industry to discuss the challenges and approaches to product search and recommendation in eCommerce.

We invite quality research contributions, position and opinion papers addressing relevant challenges in the domain of eCommerce. We invite submission of papers and posters of two to ten pages (including references), representing original research, preliminary research results, proposals for new work, position and opinion papers. All submitted papers and posters 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:

Ranking and Whole Page Relevance
- Diversity in product search and recommendations
- Relevance models for multi-faceted entities
- The balance between business requirements and customer requirements (revenue vs. relevance)
- Ranking features (textual, image, structured data, customer behavior, reviews, ratings, social signals, etc.)
- Deterministic sorts (e.g. price low to high)
- Temporal dynamics and seasonality

Query Understanding
- Query intent, query suggestions, and auto-completion
- Strategies for resolving low or zero recall queries
- Converting across modalities (e.g. text, structured data, images)

Document Understanding
- Categorization and facets
- Reviews and sentiment analysis

Recommendation and Personalization
- Personalization & contextualization, including the use of personal facets such as age, gender, location
- Blending recommendations and search results

Representations and Data
- Semantic representation of products, queries, and customers
- Construction and use of knowledge graphs for eCommerce

IR Fundamentals for eCommerce
- Cross-lingual search and machine translation
- Machine learning techniques for eCommerce applications
- Indexing and search in rapidly changing environments (e.g. auction sites)
- Experimentation techniques including AB testing and Multi-armed bandits

Other Topics
- UX for eCommerce
- The role of search in trust and security for marketplaces
- Question answering and chat bots for eCommerce

Data Track:

In order to promote academic research in the eCommerce domain, we plan to accept a small number of high quality dataset contributions. These submissions should be accompanied by a clear and detailed description of the dataset, some potential questions and applications that arise from it. Preliminary empirical investigations conveying any insight about the data will increase the quality of the submission.

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 formatted according to the latest ACM SIG proceedings template available at http://www.acm.org/publications/proceedings-template (LaTeX users use sample-sigconf.tex as a template).

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 SIGIR eCom should be made at https://easychair.org/conferences/?conf=sigirecom20

The deadline for paper submission is **May 25, 2020**

ORGANIZERS

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- Weihua Luo   Alibaba, China
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Contact: Please direct all your queries to surya@ksu.edu for help.

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