

Call for Contributions

1. Inform the Chair: with the title of your contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=INTERNET+2024+Special>

Please select Track Preference as **LLMSDI**

3. Note: *For 2024, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

LLMSDI: OSS LLMs and decentralized systems for Search, Discovery and Indexing on the Internet

Chair

Ph.D. Aurora González-Vidal
Department of Information and Communication Engineering,
University of Murcia, Spain
aurora.gonzalez2@um.es

Co-Chair

Ph..D. Mirko Presser
Associate Professor, Department of Business Development and Technology
Aarhus University, Denmark
mirko.presser@btech.au.dk
along with

INTERNET 2024: The Sixteenth International Conference on Evolving Internet

<https://www.iaria.org/conferences2024/INTERNET24.html>

March 10 - 14, 2024 - Athens, Greece

We cordially invite you to participate in the Special Track OSSDI at our upcoming INTERNET 2024 conference, which focuses on addressing LLMs, decentralization, applications and services all under an OSS to search, discover and index information and resources on the internet.

Large language models are ushering in a revolutionary era in the way we search for and discover information on the internet. These advanced AI-powered models have been trained on massive amounts of text data, allowing them to understand and generate human-like text in a wide range of contexts. By leveraging the power of NLP, these models excel at understanding complex queries, interpreting context, and generating relevant and comprehensive responses. They can process vast amounts of information from diverse sources, making them invaluable tools for search engines, virtual assistants, and other information retrieval systems. With their ability to provide more accurate, context-aware, and personalized responses, large language models are transforming the search and discovery experience.

However, these models still present several gaps that can be addressed. For example, large language models are computationally demanding and resource-intensive, limiting their accessibility and applicability in certain contexts. Knowledge distillation is one technique that can help mitigate this challenge. Another problem that we encounter is hallucination. Hallucination refers to the phenomenon where the model generates information or outputs that are not grounded in reality or supported by factual evidence. Lack of common-sense knowledge, biases, ethical concerns and the fact that they do not work well with searches that use multiple languages are other problems to tackle that can be solved by incorporating knowledge graph information allows LLMs to ground their generated content in structured knowledge, making their outputs more contextually relevant and reliable and by generating technologies able to audit and explain LLMs.

We seek insights, innovations, and cutting-edge research in the field of OSS LLMs, decentralized systems, and related technologies. We encourage you to submit both long and short papers and idea papers. In addition, we look forward to demos and posters on current solutions being developed in academia or collaborations with industry.

Suitable research topics for this special track include, but are not limited to, the following areas:

- LLMs for the democratization of legal information
- LLMs and other NLP mechanisms for the detection of fake news and disinformation
- Sustainable LLMs and their alternatives
- Detection and mitigation of hallucination in LLMs
- Decentralised and Federated LLMs
- Application-tailored LLMs
- Innovative Knowledge Graph designs
- Incorporation of probabilistic and logical thinking to LLMs
- Transfer Learning for LLMs
- Cost-efficient training of LLMs

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

Inform the Chair or Coordinator: As soon as you decide to contribute

- Submission: Jan 23, 2024 (earlier, better)
- Notification: Feb 10, 2024
- Registration: Feb 20, 2024
- Camera ready: Feb 20, 2024

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chairs.

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the Open Access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=INTERNET+2024+Special>

Please select Track Preference as **LLMSDI**

Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.

- Registration fees are available at <http://www.iaia.org/registration.html>

Contact

Chairs:

Aurora González-Vidal, aurora.gonzalez2@um.es

Mirko Presser, mirko.presser@btech.au.dk

Logistics (Steve McGuire): steve@iaia.org