Special Track on Metadata, Identifiers and semantics in Decentralized Applications, Blockchains and P2P systems

http://www.mtsr-conf.org/index.php/tracks

The **18th** International Conference on Metadata and Semantics Research (MTSR 2024) will be held at **the National and Kapodistrian University of Athens 20th - 22th November 2024**.

Important Dates

Deadline extended!!! New Paper submission deadline

- **15th August ~~22nd July~~, 2024: Submission deadline (Full and Short papers)**
- **15th August ~~22nd July~~, 2024: Submission deadline (Posters, Workshops, Tutorials, Demos & Panels)**
- **30th August ~~20th August~~, 2024**: Notification of acceptance
- **8th September ~~30th August~~, 2024**: Camera-ready papers due

- **20th – 22nd November 2024** Conference at the National and Kapodistrian University of Athens

Aim and Scope

The emergence of blockchain technologies started with Bitcoin have sparked new interest in decentralized applications and systems. The growing variety of applications associated with blockchains offers a new type of infrastructure for any kind of application beyond cryptocurrencies, including those that are fundamentally based on metadata and semantics.

Decentralized file systems for examples allow for deploying unique, immutable and cryptographically verifiable pieces of metadata, including persistent identifiers. And blockchains allow for adding more complex logic that may deal with rules, provenance and other elements.

Some existing work have already attempted to apply ontologies, schemas or semantics to these technologies, at different levels, from the economic aspects that are fundamental to the transactional nature of blockchains to domain-specific ones. However, research is still needed to identify the utility and use cases of those with regards to smart contract execution, validation and search and also their relevance in smart contract expression itself.

The track aims at gathering recent research on the outlined topics, from different perspectives and use cases, to stimulate dialogue and innovation.

Topics

Topics include but are not limited to contributions dealing with the following issues:

- Metadata on decentralized file systems and blockchains.
- Persistent identifiers in decentralized and blockchain systems.
- Semantics and ontologies in smart contract.
- Provenance and traceability of digital and physical assets with metadata on blockchains or decentralized file systems.
- Blockchains and decentralized systems for terminology or vocabulary publishing, linking and evolution.
- Linked data approaches, decentralization and blockchains.

Submission procedure

The following types of submissions are invited:

- Full papers (12 pages, CCIS format) reporting completed research
- Short papers (6 pages, CCIS format) presenting ongoing or preliminary research
- Presentations and Posters (3-4 pages)
- Proposals for Tutorials, Workshops. Demos and Panels (1-3 pages providing a description)

Submissions should be original and not previously submitted, published and under review to other Conferences or Journals. All submissions will be reviewed on the basis of relevance, originality, importance and clarity following a double-blind peer review process. Submitted papers have to follow the LNCS proceedings formatting style and guidelines. Authors of accepted submissions will be asked to register to the Conference and present their work in the form of either oral presentation or poster presentation.

Interested authors can submit to EasyChair (https://easychair.org/conferences/?conf=18mtsr2024)

Conference Proceedings

Proceedings will be published by Springer in CCIS (Communications in Computer and Information Science) book series (http://www.springer.com/series/7899). CCIS is abstracted/indexed in Scopus, SCImago, EI-Compendex, Mathematical Reviews, DBLP, Google Scholar. CCIS volumes are also submitted for inclusion in ISI Proceedings.

Other Publication Opportunities

Selected papers might be considered for a revised and extended version to be published in a range of international journals, including the International Journal of Metadata, Semantics and Ontologies (Inderscience) and Data Technologies and Applications (Emerald), previously published as Program.

Awards

There are two types of awards: the Best Paper award and the Best Student Paper award, both sponsored by euroCRIS (http://www.eurocris.org/).

- Best Paper award: This award will be presented to the authors of the best full research paper submitted and presented to the conference.
- Best Student Paper award: MTSR sponsors a paper competition to recognize excellence in a conference paper contribution whose primary author is a student (normally at a PhD or MRes level). The student is required to present the paper at the MTSR 2024 conference. Submissions are evaluated on their originality, scientific merits, structure, and clarity of composition.

The author of an awarded paper, and co-authors if any, will be entitled to:

- Receive a signed and stamped official award certificate by the conference organizers
- Promote their achievement on MTSR conference webpage, and MTSR Social Media
- Get invited to submit an extended and revised version of the awarded paper for publication in the International Journal of Metadata, Semantics and Ontologies (Inderscience)
  - Each award comes with the price of a free access/registration to next year's MTSR. Including all conference materials, together with the printed/digital conference proceedings.
  - This voucher, in case of many co-authors, is valid only for one author of the awarded paper, and only for the MTSR conference that follows the year after receiving the award.

Special Track Chairs

Miguel-Ángel Sicilia, University of Alcalá, Spain

Program Committee

- Sissi Closs, Karlsruhe University of Applied Sciences, Germany
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Contact: Miguel-Ángel Sicilia (msicilia@uah.es) and mtsr.conference@gmail.com