ChainScience: Advances in Blockchain Science 2023

The inaugural ChainScience conference will be held from June 15-17 in Boston, Massachusetts, USA.

For further details about ChainScience, please visit the conference website: chainscience.org

To support the academic community, researchers who submit their work for consideration are eligible for $100 off their registration fee plus an additional $100 off registration for another attendee of their choice. Please contact chainscience@wolfram.com for a promo code after submission. Limit one per registration, maximum two registrations; cannot be combined with other coupons or discounts; minimum purchase $0.00. Wolfram reserves the right to modify or cancel this offer at any time.

Call for Contributions

ChainScience brings together researchers, practitioners, and industry experts across disciplines to discuss novel developments in blockchains, distributed ledger technologies, and decentralized technologies. The focus topic for this year's conference extends to include related topics in artificial intelligence. Computer scientists, security researchers, economists, and data scientists are the primary target of this conference. In structure, ChainScience follows the traditional open format primarily based on submitted and peer-reviewed work.

ChainScience is calling for submissions in the following areas of interest:

- Blockchain Forensics
- Blockchain Interoperability
- Blockchain Macroeconomics
- Blockchain Modeling and Analytics
- Blockchain Oracles and Data Integration
- Computation over Encrypted Data
- Cryptoeconomics
- Design and Analysis of P2P Networks
- Formal Modeling of Tokenization
- Formal Proving Methods
- LLM/Blockchain Synergies
- Governance and Voting Mechanisms
- Machine Learning for Blockchain
- Mechanisms of Distributed Consensus
- Novel Cryptographic Methods
- Novel Financial Instruments
- Preservation of Privacy
- Risk Analysis Methods for Blockchain
- Smart Contract Design and Security
- Statistics of Blockchain
- Useful Proof of Work
- AI/ML Applications to Blockchain

Other topics in distributed ledger technologies in the spirit of the above will also be considered.

Authors are invited to enter submissions describing original, previously unpublished work, not currently under review by another conference, workshop, or journal. Only PDF files will be accepted for the review process.

Submission Instructions

We invite submission of posters, short papers, and full papers. All submissions must use the Ledger LaTeX templates provided here. ChainScience uses a double-blinded review process; author names and affiliations should not appear in the submission, and authors should make a reasonable effort not to reveal their identities or institutional affiliation. Submissions that do not comply with these guidelines will be desk-rejected.

- For posters, please limit extended abstracts to no more than 2 pages; poster abstracts should include at least one figure.
- Short papers may include up to 6 pages, excluding references.
- Full papers may include up to 12 pages, excluding references and appendices. Appendices will not be considered as part of the review process.

Please submit all manuscripts via the EasyChair portal.

Authors and Program Committee members are required to indicate any possible conflict of interest. Potential conflicts of interest include:

- Advisor-advisee relationships, at any time;
- Professional collaborations, employer/employee relationships, or co-authorship within the past 5 years;
- Current institutional conflicts;
- or close personal relationships.

For accepted manuscripts, at least one author must attend. For questions about content, formatting, or submission details, please contact the organizing committee at chainscience@wolfram.com.

Publication

All accepted submissions may be published in post-conference proceedings.
- Proceedings will be made available via arXiv.
- Accepted papers that appear in the proceedings will be indexed via DBLP.
- Selected full papers may be invited for submission to a special issue of the Ledger Journal.
- Full and short papers may be invited for submission to Frontiers in Blockchain.

Important Dates (AoE)

Submission Deadline:
~~May 1, 2023~~ extended to May 15, 2023

Notification Deadline:
~~May 19, 2023~~ extended to May 26, 2023

Camera-Ready Deadline:
June 12, 2023

Conference Dates:
June 15-17, 2023

Organizing Committee

- Jon Woodard - CEO, Wolfram Blockchain Labs
- Hans Walter Behrens - CTO, Topl
- Prof. Dr. Claudio Tessone - Professor of Blockchain & Distributed Ledger Technologies, University of Zurich
- Igor Rivin - Senior Advisor, Wolfram Research

Program Committee

- Hans Walter Behrens - CTO, Topl (Program Committee co-chair)
- Prof. Dr. Claudio Tessone - Professor of Blockchain & Distributed Ledger Technologies, University of Zurich (Program Committee co-chair)
- Johan Veerman - CTO, Wolfram Blockchain Labs
- Jiahua Xu - Programme Director of MSc Emerging Digital Technologies and Lecturer in Financial Computing, University College London
- Carlo Campajola - Postdoctoral Researcher, University of Zurich
- Nicolò Vallarano - Senior Research Associate, University of Zurich
- Matija Piskorec - Research Assistant, Rudjer Bošković Institute
- Andreia Sofia Teixeira - Assistant Professor (Department of Informatics), Universidade de Lisboa
- Dany Kamuhanda - Postdoctorate, University of Zurich
- Bernhard Haslhofer - Group Leader Cryptofinance, Complexity Science Hub Vienna
- Pietro Saggese - Postdoctoral Researcher, Complexity Science Hub Vienna
- Marco Javarone - Researcher, Centro Ricerche Enrico Fermi and University College London
- Co-Pierre Georg - Associate Professor with AIFMRM, University of Cape Town
- Nino Antulov-Fantulin - Senior Researcher, ETH Zurich
- Luyao Zhang - Assistant Professor of Economics and Senior Research Scientist, Duke Kunshan University

- Mohammad Jalalzai - Postdoctoral Fellow, University of British Columbia
- Reza Nourmohammadi - Postdoctoral Fellow, University of British Columbia
- Nicola Dimitri - Professor, Universita' di Siena
- Mostafa Chegenizadeh - PhD Student, University of Zurich
- Marco Javarone - Research Associate, Centro Ricerche Enrico Fermi, UCL