

CALL FOR PAPERS

4th Distributed Ledger Technology Workshop (DLT 2022)

Website: <https://dlt2022.github.io>

Venue: Rome, Italy (co-located with ITASEC 2022)

Submission deadline: 20th April 2022

When: 20th June 2022

Scope and Topics

The DLT2022 workshop is an international forum for researchers, developers, and users to discuss achievements and issues related to Distributed Ledger Technologies and blockchains, their adoption in business scenarios, and novel ideas in the field. The primary goal is to foster discussion and cross-fertilisation of ideas among experts in different fields related to DLTs, and thus advance the international state-of-the-art. Research, applications, case studies, and experiences concerning DLTs and blockchains are all encouraged.

The topics of interest of the workshop include, but are not limited to:

- Blockchain security
- Decentralization and governance of blockchains
- Blockchains architectures and their scalability
- Blockchain consensus algorithms
- Anonymity, privacy and GDPR-related issues in blockchains
- Smart Contracts design, analysis, and techniques
- Blockchains interoperability
- Layer-2 solutions (e.g., channels)
- Blockchain oracles
- Blockchains based Self-Sovereign Identity (SSI) systems
- Fungible and non-fungible tokens and their applications
- Blockchain applications and case studies
- Attacks to blockchain based systems
- Performance and measurements of blockchain based systems
- Blockchain data analysis
- Blockchain in IoT ecosystems
- Systems based on blockchains and Artificial Intelligence techniques
- Blockchains for Industry 4.0
- Big Data systems and blockchains
- Formal verification of blockchain protocols and smart contracts
- Cryptographic techniques for blockchains (post-quantum, zk-SNARKS, etc.)
- Game theoretic analysis of blockchain protocols and applications
- Economics of blockchain and tokenomics
- Legal aspects of blockchains (e.g, regulation, law enforcement, etc.)
- Regulatory sandboxes and their applications

Submissions of Contributions

The DLT2022 workshop accepts two kinds of contributions: “research papers” and “oral communications”. Both contributions entail an oral presentation at the workshop.

Research papers expected length is at most 15 pages (EasyChair style), even though shorter contributions describing position papers or extended abstracts are welcome. All accepted research papers will be included in workshop proceedings published on CEUR. Selected research papers will be invited for publication in a special issue of International Journal of Parallel, Emergent and Distributed Systems (Taylor&Francis). Oral communications will not be included in the proceedings. The authors shall indicate their choice to contribute with oral communication, writing it alongside the title in the EasyChair form, i.e., “Title (Oral Communication)” and providing only a 1-2 pages abstract outlining the structure of the talk. Oral communications are meant to stimulate the discussion of ongoing research activities or already published results that authors consider relevant for the community. See the workshop website for further instructions.

Important Dates

Research paper submission: **20th April 2022**

Oral communication abstract submission: **6th May 2022**

Acceptance Notification: **20th May 2022**

Workshop date: **20th June 2022**

Committees

Chairs

- Maurizio Pizzonia, *Università degli Studi Roma Tre*
- Andrea Vitaletti, *Università degli Studi di Roma "La Sapienza"*

Technical Program Committee

- Leonardo Aniello, *University of Southampton*
- Marco Baldi, *Università Politecnica delle Marche*
- Andrea Bracciali, *University of Stirling*
- Francesco Buccafurri, *Università degli Studi "Mediterranea" di Reggio Calabria*
- Jing Chen, *Stony Brook University*
- Franco Chiaraluce, *Università Politecnica delle Marche*
- Stelvio Cimato, *Università degli Studi di Milano*
- Gabriele D'Angelo, *Università di Bologna*
- Andrea De Salve, *Consiglio Nazionale delle Ricerche, Italy*
- Damiano Di Francesco Maesa, *Consiglio Nazionale delle Ricerche, Italy*
- Changyu Dong, *Newcastle University,*

- Stefano Ferretti, *Università di Bologna*
- Letterio Galletta, *IMT Scuola Alti Studi Lucca*
- Alberto Leporati, *Università degli Studi di Milano*
- Michele Marchesi, *Università degli Studi di Cagliari*
- Giorgia Azzurra Marson, *NEC Laboratories Europe GmbH*
- Paolo Mori, *Istituto di Informatica e Telematica del CNR, Italy*
- Andrea Morichetta, *Università degli Studi di Camerino*
- Leonardo Mostarda, *Università degli Studi di Camerino*
- Jose Luis Muñoz Tapia, *Universitat Politècnica de Catalunya*
- Guillermo Navarro-Arribas, *Universitat Autònoma de Barcelona*
- Remo Pareschi, *Università degli Studi del Molise*
- Laura Ricci, *Università di Pisa*
- Claudio J. Tessone, *University of Zurich*
- Giovanni Sartor, *EUI/CIRSFID, Italy*
- Ivan Visconti, *Università di Salerno*
- Roberto Zunino, *Università degli Studi di Trento*

Organizing Committee

- Diego Pennino, *Università degli studi Roma Tre*
- Marco Zecchini, *Università degli studi di Roma “La Sapienza”*

Steering Committee

- Leonardo Aniello, *University of Southampton*
- Massimo Bartoletti, *Università degli Studi di Cagliari*
- Stefano Bistarelli, *Università degli Studi Perugia*
- Franco Chiaraluce, *Università Politecnica delle Marche*
- Leonardo Mostarda, *Università degli Studi di Camerino*