



CALL FOR PAPERS - ACM SAC 2025 – DAPP Track

The 40th ACM Symposium on Applied Computing, March 31st – April 4th 2025, Sicily, Italy

<https://www.sigapp.org/sac/sac2025/>

Track: Decentralized Applications (DAPP) with Blockchain, DLT and Crypto-Currencies
The most up-to-date information can always be found on the ACM SAC DAPP track Website:

<https://www.cas-blockchain-certification.com/en/acm-sac-dapp-track>

Proceedings in the ACM digital library!

After the successful ACM SAC 2019, 2020, 2021, 2022, 2023, and 2024 DAPP tracks, the goal of the ACM SAC 2025 DAPP track is to continue to review the set of decentralized applications that benefit from the use of blockchains, other distributed ledger technologies (DLT) such as Directed Acyclic Graph (DAG) and crypto-currencies. Blockchain has gained momentum since it was brought to light by Bitcoin around 15 years ago. Since then, new DLTs have been proposed and applied in many different application domains such as finance, supply chain, IoT, notarization, credentials in education, art NFT... As the applications are decentralized and may involve payments and other financial activities, the track will also cover related legal contributions and include lawyers and law professors working with DLTs and crypto-currencies in its program committee. This year has a special focus on computational social models in decentralized applications!

We would like to emphasize that we may accept the submission of industrial experience reports, commercial tools case studies, and reports of innovative computing applications if they are written scientifically.

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

- Innovative decentralized applications (dApps)
- Computational social models of decentralized applications
- Practical use of blockchain, DLT, crypto-currencies, and NFT in the real world, online, or in the metaverse
- Application of decentralized consensus algorithms and protocols
- Attack-resistant decentralized trust systems
- Decentralized Identifiers (DID), Web 3.0, and decentralized Web
- Computational trust and risk engines
- dApps integrated development environments (IDE)
- dApps, blockchain, DLT, and/or crypto-currencies software engineering
- Permissioned and permissionless dApps designs, implementations, and testing
- Peer-to-peer systems (IPFS, DAG...)

- Performance of dApps, blockchain, DLT, and/or crypto-currencies
- Interoperability between different blockchains/DLT
- Standardization of blockchain, DLT, NFT, stablecoins, CBDC, and/or crypto-currencies
- Security and formal verification of dApps, blockchain, DLT, and/or crypto-currencies
- Hardware security modules use in dApps, blockchain, DLT, and/or crypto-currencies
- Legal aspects (smart contracts, utility tokens, security tokens, stablecoins, ICO, STO, NFT, Signed NFT, metaverse...)
- Business models and economics of dApps, blockchain, DLT, crypto-currencies, NFT, and metaverse
- Economics aspects (decentralized finance, tokenomics, other incentives, and sustainability mechanisms)
- Usability and user studies of dApps, blockchain, DLT, and/or crypto-currencies
- Privacy issues and protection (Zero Knowledge Proof, DID...)

Submission guidelines are posted on the ACM SAC DAPP Web site, which always contains the latest updates. The ACM SAC papers/reviews management tool will be used. The average number of double-blind reviews per paper will be equal to 3 or even greater. Authors are invited to submit full papers about original and unpublished research. Parallel submission to other conferences, other tracks of SAC or any other publications is forbidden. Papers submitted should not have been previously published and should not be subsequently published in the same form elsewhere. Submissions should be properly anonymized to facilitate blind reviewing: papers being submitted should not list the authors, affiliations or addresses on the first page and authors are also encouraged to take care throughout the entire document to minimise references that may reveal the identity of the authors or institution. Papers failing to comply with anonymization or length limitations risk immediate rejection. Be aware that the average acceptance rate per track should be under 25%. Please check the author kit on the main SAC website: the format is usually the format used in the ACM templates. Student Research Competition (SRC) papers can only be at maximum 4 pages long. The length of full papers is 8 pages (included in the registration) + 2 pages (at extra charge) = 10 pages maximum. Papers that received high reviews (that is acceptable by reviewer standards) but were not accepted due to space limitation can be invited for the poster session. The length of poster papers is 3 pages (included in the registration) + 1 page (at extra charge) = 4 pages maximum. Paper registration is required, allowing the inclusion of the paper/poster in the conference proceedings. An author or a proxy attending SAC MUST present the paper: This is a requirement for the paper/poster to be included in the ACM/IEEE digital library. No-show of scheduled papers and posters will result in excluding them from the ACM/IEEE digital library.

IMPORTANT DUE DATES

- September 20, 2024: Submission of papers
- October 30, 2024: Notification of paper acceptance/rejection
- March 31 – April 4, 2025: Presentations in Sicily, Italy

Track Program Co-Chairs:

- Jean-Marc Seigneur, University of Geneva, Switzerland
- Kristián Košťál, Slovak University of Technology, Slovakia

Legal Submissions Chair:

- Ilona Maklakova, Legal Nodes, United Kingdom

The most up-to-date information, including the Program Committee, can be found on the ACM SAC DAPP track Website:

<https://www.cas-blockchain-certification.com/en/acm-sac-dapp-track>