



CALL FOR PAPERS - ACM SAC 2022 – DAPP Track

The 37th ACM Symposium on Applied Computing, April 25th – April 27th 2022, Brno, Czech Republic

<https://www.sigapp.org/sac/sac2022/>

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>

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After the successful ACM SAC 2019, 2020 and 2021 DAPP tracks, the goal of the ACM SAC 2022 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 has been brought to light by Bitcoin around 10 years ago. Since then, new DLT have been proposed and applied in many different application domains such as finance, supply chain, IoT, notarization, credentials in education... However, there are still limitations to these different DLT (energy consumption, attack-resistance, speed...) and their associated crypto-tokens or crypto-currencies can bring interesting new means to incentivize the use of decentralized applications. As the applications are decentralized and may involve payments and other financial activities, the track will also cover related legal contributions and includes in its program committee lawyers and law professors who have been working with DLTs and crypto-currencies.

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)
- Practical use of blockchain, DLT and/or crypto-currencies
- Application of decentralized consensus algorithms and protocols
- Attack-resistant decentralized trust systems
- 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 used in dApps, blockchain and DLT platforms

- Performance of dApps, blockchain, DLT and/or crypto-currencies
- Interoperability between different blockchains/DLT
- Standardization of blockchain, DLT 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, IEO...)
- Business models and economics of dApps, blockchain, DLT and/or crypto-currencies
- Economics aspects (decentralized finance, tokenomics, other incentives, and sustainability mechanisms)
- Usability and user studies of dApps, blockchain, DLT and/or crypto-currencies
- Privacy and other legal aspects of dApps, blockchain, DLT and/or crypto-currencies

The Student Research Competition is sponsored by Microsoft Research

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

- October 15, 2021: Submission of papers
- December 10, 2021: Notification of paper acceptance/rejection
- December 21, 2021: Camera-ready copies of accepted papers
- April 25 – April 29, 2022: Presentations in Brno, Czech Republic

Track Program Co-Chairs:

- Suzana Maranhão Moreno, Brazilian Development Bank, Brazil
- Jean-Marc Seigneur, University of Geneva / [DeFi For Good](#), Switzerland

Program Committee of the 2022 ACM SAC DAPP track:

- Prof. Igor Machado Coelho, State University of Rio de Janeiro, Brazil
- Prof. Javier Wenceslao Ibanez Jimenez, Universidad Pontificia Comilla, Spain
- Dr. Gladstone Arantes, BNDES, Brazil
- Dr. Agnes Mindila, Jomo Kenyatta University of Agriculture and Technology, Kenya
- Dr. Imre Kocsis, Budapest University of Technology and Economics, Hungary
- Dr. Julien Bringer, Kallistech, France
- Dr. Luca Boldrin, Infocert, Italy
- Mr. Pedro Lopez Belmonte, Richemont, Switzerland
- Prof. Alessandro Aldini, University of Urbino, Italy
- Dr. Guilherme Sperb Machado, AxLabs, Switzerland
- Dr. Miroslav Kis, TMX Group, Canada
- Dr. Suporn Pongnumkul, NECTEC, Thailand
- Prof. Kunwadee Sripanidkulchai, Chulalongkorn University, Thailand
- Prof. Rafael Timoteo de Sousa Junior, University of Brasilia, Brazil
- Dr. Michel José Reymond, Byrne-Sutton Bollen Kern Law Firm, Switzerland
- Mr. Jörn Erbguth, University of Geneva, Switzerland
- Prof. Dr. Marc Jansen, University of Applied Sciences Ruhr West, Germany
- Mr. Paulo Henrique Cardoso Alves, PUC-Rio University, Brazil
- Mr. Pedro Velmovitsky, University of Waterloo, Canada
- Mr. Pedro Augusto Da Silva e Souza Miranda, University of Waterloo, Canada
- Mr. Saulo dos Santos, University of Manitoba, Canada
- Prof. Ruppa Thulasiram, University of Manitoba, Canada
- Prof. Frederico Schardong, Federal Institute of Education, Science and Technology of Rio
- Grande do Sul (IFRS), Campus Rolante, Brazil
- Prof. Ricardo Felipe Custódio, Federal University of Santa Catarina (UFSC), Brazil
- Prof. Jean Martina, Federal University of Santa Catarina (UFSC), Brazil
- Prof. Fabíola Greve, Federal University of Bahia (UFBA), Brazil
- Mr. Marcos Allende López, LACChain, USA
- Mr Anton Hasselgren, Researcher, Norwegian University of Science and Technology (NTNU)
- Prof. Catarina Ferreira da Silva, Associate Professor with Habilitation, Iscte - University Institute of Lisbon
- Dr. Federico Panisi, SPILS candidate Stanford Law School
- Prof. Noria Foukia, HEPIA, Switzerland
- Prof. Iwona Karasek-Wojciechowicz, Associate Professor at Jagiellonian University, Poland

People who have participated in the Program Committee of DAPP tracks:

- Prof. Igor Machado Coelho, State University of Rio de Janeiro, Brazil
- Mr. Stephen Yang, Web3 Capital, China
- Prof. Javier Wenceslao Ibanez Jimenez, Universidad Pontificia Comilla, Spain
- Prof. Gladstone Arantes, BNDES, Brazil
- Dr. Corinna Schmitt, University of Federal Armed Forces Munich, Germany
- Prof. Dr.-Ing. Volker Skwarek, Hochschule für Angewandte Wissenschaften Hamburg, Germany
- Dr. Agnes Mindila, Jomo Kenyatta University of Agriculture and Technology, Kenya
- Dr. Imre Kocsis, Budapest University of Technology and Economics, Hungary

- Prof. Javier Ibáñez, Comillas Pontifical University, Spain
- Mr. Roland Haggins, Caricom, Barbados
- Dr. Julien Bringer, Kallistech, France
- Dr. Hui Ding, Chaincomp Technologies, China
- Mr. Laurent Aapro, Smart Contract Auditor, Switzerland
- Mr. Jacob Ninan, Kottackal Business Solutions, India
- Dr. Luca Boldrin, Infocert, Italy
- Mr. Pedro Lopez Belmonte, Richemont, Switzerland
- Mr. Alexander Chuburkov, QIWI Blockchain Technologies, Russia
- Mr. Daniele Tumietto, United Nations Centre for Trade Facilitation and Electronic Business, Switzerland
- Dr. Inon Schenker, Singulariteam, Israel
- Mrs. Sahra Benaouda Brean, CTEXMarkets, Switzerland
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- Mrs. Lisa JY Tan, Economics Design, Singapore
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- Mrs. Alpha Wang, Tencent, China
- Prof. Aline Darbellay, Faculty of Law, University of Geneva, Switzerland
- Prof. Claudio Tessone, University of Zurich, Switzerland
- Mr. Olivier Depierre, DLT Law, Switzerland
- Dr. Sheikh Mahbub Habib, Continental AG, Germany
- Dr. Michel José Reymond, Byrne-Sutton Bollen Kern Law Firm, Switzerland
- Mrs. Céline Moille, Yellaw Lawyers, France
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- Mr. Michael Herman, Parallelspace Corporation, Canada
- Prof. Hong Min, Hoseo University, Korea
- Mrs. Suzana Maranhão Moreno, Brazilian Development Bank, Brazil
- Mr. Ruifeng Hu, Huawei, China
- Mr. Robert Zaremba, Scale IT, Switzerland
- Mr. Jörn Erbguth, University of Geneva, Switzerland
- Dr. Rodolphe Meyer, Geneva University Hospital, Switzerland
- Prof. Benedetta Cappiello, University of Milano, Italy
- Prof. Dr. Marc Jansen, University of Applied Sciences Ruhr West, Germany
- Dr. Panayiotis Christodoulou, Cyprus University of Technology, Cyprus
- Prof. Dr. Gerhard Schwabe, University of Zurich, Switzerland
- Dr. Jacob Mendel, Moshe Hogeg Blockchain Research Institute, Israel
- Prof. Zeki Erkin, Delft University of Technology and Radboud University Nijmegen, The Netherlands

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