CALL FOR PAPERS - ACM SAC 2020 – DAPP Track

The 35th ACM Symposium on Applied Computing, March 30 – April 3 2020, Brno, Czech Republic
https://www.sigapp.org/sac/sac2020/
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 DAPP track in Cyprus, the goal of the ACM SAC 2020 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 in a scientific way.

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
- Tokenomics and other incentive 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 track is sponsored by NEO blockchain (https://neo.org/) and 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
- September 15, 2019: Submission of papers
- November 10, 2019: Notification of paper acceptance/rejection
- November 25, 2019: Camera-ready copies of accepted papers
- March 30 – April 3, 2020: Presentations in Brno, Czech Republic

Track Program Chair:
- Dr. Jean-Marc Seigneur, University of Geneva / Reputaction, Switzerland / France

Preliminary program committee:
- Prof. Burkhard Stiller, University of Zurich, Switzerland
- Prof. Jihoon Jeong, Kyung Hee Cyber University, South Korea
- Prof. Alessandro Aldini, University of Urbino, Italy
- Dr. Joshua Ellul, University of Malta
- Dr. Guilherme Sperb Machado, AxLabs, Switzerland
- Dr. Miroslav Kis, TMX Group, Canada
- Dr. Suporn Pongnumkul, NECTEC, Thailand
- Dr. Hoang Tam Vo, IBM Research, Australia
- Prof. Jean-Henry Morin, University of Geneva, Switzerland

- Prof. Kunwadee Sripanidkulchai, Chulalongkorn University, Thailand
- Prof. Rafael Timoteo de Sousa Junior, University of Brasilia, Brazil
- Mr. Micha Roon, Energy Web Foundation, Switzerland
- 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
- Prof. Noria Foukia, HEPIA, Switzerland
- Mr. Michael Herman, Parallelspace Corporation, Canada
- Prof. Junyoung Heo, Hansung University, Korea
- Prof. Hong Min, Hoseo University, Korea
- Mrs. Suzana Maranho 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 & Radboud University Nijmegen, The Netherlands

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