

CALL FOR PAPERS

3rd Conference on Blockchain Research & Applications for Innovative Networks and Services

BRAINS 2021

<https://brains.dnac.org/>

September 27 – 30, 2021

Paris, France

Blockchain and Distributed Ledger Technologies (DLT) have the potential to disrupt any domain involving coordination among autonomous resources. This includes finance and payments (e.g., fintech), but also networks (e.g., power grids or telecom networks), computing (e.g., brokering of edge resources), IoT (e.g., supply chain, V2X or industry 4.0) or service platforms (e.g., identity management). BRAINS Conference is dedicated to these new advances that could make the world of networks and services more secure, while enabling disruptive new distributed business models.

Topics of interest

Fundamentals of Blockchain and DLT:

- ◆ Theoretical contributions on Blockchain and DLT
- ◆ Distributed consensus and fault tolerance solutions, including domain-specific consensus (e.g., for networking)
- ◆ Tradeoffs between decentralization, scalability, performance and security
- ◆ Protocols and algorithms

Decentralized Apps, Smart contracts and chain code:

- ◆ Development languages and tooling
- ◆ Security, Privacy, Attacks, Forensics
- ◆ Transaction Monitoring and Analysis
- ◆ Token Economy
- ◆ Distributed Trust
- ◆ Collaboration between on-chain and off-chain code
- ◆ Oracles, DeFi, NFT dapps and protocols

Application and service cases of DLT and Smart-Contracts:

- ◆ Finance and payments
- ◆ IoT and cyber physical systems
- ◆ Smart grids and Industry 4.0
- ◆ Networking, Edge and Cloud Technologies
- ◆ 5G Technologies, Telecom Process and Operation
- ◆ Supply chain management
- ◆ V2X, connected and autonomous vehicles
- ◆ Services or Resources Marketplaces
- ◆ Blockchain as a service
- ◆ Blockchain-defined networking

Submission Guidelines

Submitted papers must represent original material that is not currently under review in any other conference or journal and has not been previously published. All submissions should be written in English with maximum of eight (8) or Four (4) printed pages (in Two-Column IEEE Conference Format), including text, figures and references. Papers should be submitted through EDAS at: <https://edas.info/N28066>

The three Best Paper finalists will be invited for a fast-track peer-reviewed publication in IEEE Transactions on Network and Service Management

Important Dates

- ◆ **Paper Submission: March 31, 2021**
- ◆ **Paper Acceptance Notification: May 31, 2021**
- ◆ **Final Papers Due: June 30, 2021**

Organizing Committee

General Co-Chairs

Abdelkader Lahmadi (University of Lorraine, France)
Andreas Veneris (University of Toronto, Canada)

Technical Program Committee Co-Chairs

William Knottenbelt (Imperial College, UK)
Tesnim Abdellatif (EDF, France)

Tutorial Chair

Zissis Poulos (Rotman School of Management, Canada)

Keynotes Chair

Artem Barger (IBM Haifa, Israel)

Demo Chair

Keerthi Nelaturu, University of Toronto, Canada

Patrons Chair

Sidi Mohamed Beillahi (Université de Paris, France)

Publicity co-Chairs

Carlos Becker Westphall (Federal University of Santa Catarina, Brazil)
Ruidong Li (National Institute of Information and Communications Technology, Japan)

Steering Committee Chair

Emmanuel Bertin (Orange Labs, France)

Publication Chair

Nazih Salhab (UPEM, France)

Overall arrangement Chair

Aziza Lounis, DNAC, France

Web Chair

Elia Kallas, DNAC, France