AETiC Special Issue on "Next Generation Blockchain Architecture, Infrastructure and Applications"

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Special Issue Aims and Scopes:

The disruptive power of Blockchain technology is affecting and influencing the current practice in every sphere of activities in economy, social relations, finance, health care, industry and so forth. Therefore, the goal of the Special Issue is to gather scientific papers on the theoretical and practical aspects of blockchain technologies and smart contracts. The focus is on blockchain and smart contracts development in various application domains. Surveys by experts in the field are also welcome. Topics may include, but are not limited to:

•Blockchain and blockchain technologies •Threat models and attacks •Network security and network Attacks •Design methods •Governance and regulation •Consensus mechanisms •State channels •Token engineering •Technical repercussions of economic, legal, ethical, regulatory, and societal aspects •Case studies (e.g., of adoption, attacks, forks, scams, etc.) •Blockchain and Dapp architectures •Blockchain scaling and interplay •Decentralised artificial intelligence •Decentralised databases •Static and dynamic blockchain analysis; blockchain forensics •Big data and the blockchain •Human-computer interaction for blockchain applications •Blockchain of Things (BCoT) – Fusion of Blockchain and the Internet of Things (IoT) •Languages for smart contract development •Blockchain-oriented software engineering •Blockchain security and testing •Applied cryptography •Financial cryptography • Decentralised applications in finance, banking, insurance, supply chain management, e-government, notarisation, industry, energy, logistic, commerce, gaming, education •Anonymity and privacy, •Blockchain-as-a-Service (BaaS) •Blockchain and data privacy regulations such as GDPR, etc.

Submission Deadline: 15th November 2019

Publication Date: 1st December 2019 (tentative)

Submission Procedure:

Authors can submit Full papers, with a length between six to eighteen pages, using the EasyChair Conference Management System. While submitting, authors need to select "Special Issue on Next Generation Blockchain Architecture, Infrastructure and Applications" as the topic to indicate the submission is for this special issue. Please make sure that the manuscript has been prepared using AETiC MS Word Template and it adheres to the author guidelines.

If you have any further queries, please feel free to let us know.

We look forward to receiving your contributions.

Very best Regards

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