

**Special Session on
Blockchain and Intelligent Systems (BIS22)
at
12nd World Congress on Information and Communication Technologies
(WICT 2022)**

Online, 15-17 December 2022

<http://mirlabs.org/wict22>

Objectives and Scope

Blockchains are distributed ledger technology (DLT) that promote the distribution of an immutable ledger which records transactions. Blockchains ensure both transparency and trust. The underlying data structure has several benefits with respect to data storage and retrieval which make it perfect for storing information and transactions in an immutable way. Combining Intelligent Systems with Blockchain, especially integrating smart contracts that can be executed based on decisions made by Artificial Intelligence, is a promise to gain confidence and trust in this partnership.

Currently, there is an increase in the number of Blockchain-based initiatives applied to business areas such as Healthcare, Government, Automotive and Energy, Supply Chain, besides the very well-known Bitcoin and cryptocurrency success.

We invite high quality contributions from all research areas that address the emerging data challenges in these streams. Several topics of interest include, but are not limited to, the following:

Subtopics:

- Artificial Intelligence and Encryption
- Artificial Intelligence Smart Contracts
- Artificial Intelligence on Blockchain Use Cases
- Decentralized (A) Intelligence
- Intelligent Consensus
- Industry 4.0
- Automotive and Energy Industries
- Infrastructure, Architecture, Performance and Availability Concerns
- Challenges and Lessons Learned

Paper Publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago)
<https://www.springer.com/series/15179>
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at:
<https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

Important Dates

Paper submission due: September 30, 2022

Notification of paper acceptance: October 31, 2022

Registration and Final manuscript due: November 15, 2022

Conference: December 15-17, 2022

Special Session Chairs

- Catarina Reis - Center for Innovative Care and Health Technology (ciTechCare) - School of Technology and Management - Polytechnic of Leiria
- Ana Madureira - Interdisciplinary Studies Research Center (ISRC) - Institute of Engineering of Porto – Polytechnic of Porto (ISEP/P.PORTO)
- Nuno Bettencourt - Interdisciplinary Studies Research Center (ISRC) - Institute of Engineering of Porto – Polytechnic of Porto (ISEP/P.PORTO)

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