



**Publications in high impact journals in the relevant research fields before the start date of project BIG**

Project Acronym: BIG

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Authors: Nuno Nunes ([nunojnunes@tecnico.ulisboa.pt](mailto:nunojnunes@tecnico.ulisboa.pt)), Rodrigo Rodrigues ([rodrigo.miragaia.rodrigues@tecnico.ulisboa.pt](mailto:rodrigo.miragaia.rodrigues@tecnico.ulisboa.pt))

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2019

**Conference Publications:**

Scuri S., Tasheva G., Barros L., Nunes N. (2019). An HCI Perspective on Distributed Ledger Technologies for Peer-to-Peer Energy Trading. *INTERACT 2019. Lecture Notes in Computer Science*, vol 11748. Springer, Cham. [https://doi.org/10.1007/978-3-030-29387-1\\_6](https://doi.org/10.1007/978-3-030-29387-1_6)

Matos M., Rodrigues L., Marçal J. (2019) “Adaptive Information Dissemination in the Bitcoin Network.” *SAC '19: Proceedings of the 34th ACM/SIGAPP Symposium on Applied Computing*. Pages 276–283 <https://doi.org/10.1145/3297280.3297309>

Belchior R., Correia M., Vasconcelos A. (2019) *JusticeChain: Using Blockchain to Protect Justice Logs*. In: Panetto H., Debruyne C., Hepp M., Lewis D., Ardagna C., Meersman R. (eds) *On the Move to Meaningful Internet Systems: OTM 2019 Conferences*. Lecture Notes in Computer Science, vol 11877. Springer, Cham. [https://doi.org/10.1007/978-3-030-33246-4\\_21](https://doi.org/10.1007/978-3-030-33246-4_21)

Faria C., Correia M. (2019). *BlockSim: Blockchain Simulator*. IEEE International Conference on Blockchain (Blockchain), Atlanta, GA, USA, 2019, pp. 439-446, <https://doi.org/10.1109/Blockchain.2019.00067>.

**Book Chapters:**

Correia M. (2019) *From Byzantine Consensus to Blockchain Consensus*. Book chapter in *Essentials of Blockchain Technology*. Kuan-Ching Li, Xiaofeng Chen, Hai Jiang, Elisa Bertino (Eds.) CRC Press, Nov 1, 2019

Rosado T., Vasconcelos A., Correia M. (2019) *A Blockchain Use Case for Car Registration*. Book chapter in *Essentials of Blockchain Technology*. Edited by Kuan-Ching Li, Xiaofeng Chen, Hai Jiang, Elisa Bertino. Taylor and Francis Group.

2020

**Conference Publications:**

Durieux T., Ferreira J.F., Abreu R., Cruz, P. (2020) *Empirical Review of Automated Analysis Tools*. 47,587 Ethereum Smart Contracts, IEEE/ACM 42nd International Conference on Software Engineering (ICSE), Seoul, Korea.

Belchior R., Vasconcelos A., Correia M. (2020) *Towards Secure, Decentralized, and Automatic Audits with Blockchain*. European Conference on Information Systems (ECIS).

Ferreira, J. F., Cruz, P., Durieux, T. and Abreu, R. (2020) *SmartBugs: A Framework to Analyze Solidity Smart Contracts*, 35th IEEE/ACM International Conference on Automated Software Engineering, Tool Demo Track (ASE 2020).

Silva P., Vavricka D., Barreto J., Matos M. (2020) *Impact of Geo-Distribution and Mining Pools on Blockchains: A Study of Ethereum*. 2020 50th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), Valencia, Spain, 2020, pp. 245-252. <https://doi.org/10.1109/DSN48063.2020.00041>

Scuri S., Nunes N. (2020). PowerShare 2.0: A Gamified P2P Energy Trading Platform. *In Proceedings of the International Conference on Advanced Visual Interfaces (AVI '20)*. Article 92, 1–3. <https://doi.org/10.1145/3399715.3399948>

Serranito D., Vasconcelos A., Guerreiro S., Correia M. (2020) *Blockchain Ecosystem for Verifiable Qualifications*. 2nd Conference on Blockchain Research & Applications for Innovative Networks and Services (BRAINS 2020), Paris, France.