

Special issue on:  
**Blockchain, Cryptocurrencies and Distributed Organizations**

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## **Main topic:**

The purpose of this special issue is to develop a broader and inclusive examination of the disruptive potential of blockchain and cryptocurrencies to foster cutting-edge researches that contribute to understand the environmental, economic, social, political, and legal impacts of blockchain to leverage distributed organizations.

## **Aims and scope:**

In the last twenty years, advances in the fields of cryptography and decentralized computer networks have resulted in the emergence of blockchain and cryptocurrencies. Blockchain is a decentralized transaction and data management technology, operating in a distributed manner without a central database that may be jeopardized. The assurance of reliability does not occur through intermediaries, such as governments or banks, but through cryptographic technologies. There is no authority responsible for conducting transaction audits and maintaining records. The network is public. Anyone can access it at any time.

Blockchain and cryptocurrencies enable new systems that are created by shaping social, physical, and technological environments via IT-oriented design. As a foundational technology (Iansiti & Lakhani, 2017), blockchain has the potential to break away from the foundations of economic and social systems, instituting new realities and forcing companies to rethink their business models. The idea of business model popularized in the 2000s deploys resources and activities of a particular company to create value for customers. Even the open approach that emphasizes interdependencies and spans boundaries has the focal company as the locus of value generation and value capture. The distributed logic of blockchain and cryptocurrencies challenges those propositions, raising questions for scholars and practitioners: How might blockchain transform business? How might the distributed logic of blockchain change the company centric business models? In which industries blockchain is actually affecting business?

These questions show that more research required to fully understand blockchain impact on strategy and the new business models that are designed to generate and capture value in a distributed economy. The purpose of this special issue is to develop a broader and inclusive analysis of the disruptive potential of blockchain to leverage new business models. It aims to foster cutting-edge researches that contribute to understand the environmental, economic, social, political, and legal impacts of blockchain. We invite both theoretical and empirical papers, adopting quantitative or qualitative methods. Innovative approaches to the study of blockchain, cryptocurrencies, new business models and related phenomena are particularly desirable.

Potential topics include, but are not limited to:

- Blockchain-enabled new business models
- Cryptocurrencies, digital money, and blockchain-based payment systems
- New business relationships based on blockchain
- Decentralized autonomous organizations (DAOs)
- Blockchain based knowledge and innovation management
- Blockchain and distributed ledger technology
- Use cases and application of blockchain in specific sectors: finance, logistics, and others
- Institutional challenges: standards, privacy, insurance and taxation
- Data management and data governance issues related to blockchain
- Smart contracts-based business process logic
- Novel approaches to development of blockchain applications
- The interplay between open source and blockchain technology
- Legal issues with smart contracts and blockchain platforms
- Physical asset management with blockchain

## References:

Avital, M. (2018). Peer Review: Toward a Blockchain-enabled Market-based Ecosystem. *Communications of the Association for Information Systems*, 42(1): 28.

Beck, R., Avital, M., Rossi, M., & Thatcher, J. B. (2017). Blockchain technology in business and information systems research. *Business and Information Systems Research*, 59(6): 381–384

Casino, F., Dasaklis, T. K., & Patsakis, C. (2019). A systematic literature review of blockchain-based applications: current status, classification and open issues. *Telematics and Informatics*, 36(1): 55-81

Hsieh, Y. Y., Vergne, J. P. J., & Wang, S. (2017). The internal and external governance of blockchain-based organizations: Evidence from cryptocurrencies. In *Bitcoin and Beyond*. Routledge, pp. 48-68.

Iansiti, M., & Lakhani, K. R. (2017). The truth about blockchain. *Harvard Business Review*, 95(1), 118-127.

Miau, S.; Yang, J. M. (2018). Bibliometrics-based evaluation of the Blockchain research trend: 2008 – March 2017, *Technology Analysis & Strategic Management*, 30(9), 1029-1045.

Reijers, W., and Coeckelbergh, M. (2016). The Blockchain as a Narrative Technology: Investigating the Social Ontology and Normative Configurations of Cryptocurrencies, *Philosophy & Technology*, 31(1), 103-130.

Risius, M., & Spohrer, K. (2017). A blockchain research framework. *Business & Information Systems Engineering*, 59(6), 385-409.

Rossi, M., Mueller-Bloch, C., Thatcher, J. B., & Beck, R. (2019). Blockchain Research in Information Systems: Current Trends and an Inclusive Future Research Agenda. *Journal of the Association for Information Systems*, 20(9), 1388-1403.

Scott, B. (2016). How can cryptocurrency and blockchain technology play a role in building social and solidarity finance? UNRISD Working Paper, (n. 2016-1).

Swan, M. (2015). *Blockchain: Blueprint for a new economy*. Garvenstein: O'Reilly Media, 2015, 128p.

Werbach, Y. (2018). *The Blockchain and the New Architecture of Trust*. Cambridge, MA: The MIT Press, 344p.

Yli-Huumo, J.; Ko, D.; Choi, S.; Park, S. & Smolander, K. (2016). Where is current research on blockchain technology?—a systematic review. *PloS one*, 11(10), e0163477.

Zott, C., & Amit, R. (2010). Business model design: an activity system perspective. *Long Range Planning*, 43(2-3), 216-226.

### **Important dates:**

Two-page proposal by authors:	<b>June 30, 2020</b>
Submission of full papers:	<b>September 30, 2020</b>
Initial decision sent to authors:	<b>January 30, 2021</b>
Deadline for revised papers:	<b>March 31, 2021</b>
Notification of acceptance:	<b>May 31, 2021</b>
Deadline for final versions:	<b>July 31, 2021</b>
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Please submit papers through BAR's submission system (<https://mc04.manuscriptcentral.com/bar-scielo>) mentioning that the submission is for this special issue. Guidelines can be found at: <https://bar.anpad.org.br/index.php/bar/submission>

All submissions will be subject to double-blind peer review. The special issue guest editors will select associate editors and reviewers from BAR's editorial boards to work in the review process.

## Guest editors:

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**Dr. Ricardo Colomo-Palacios**, Full Professor at the Computer Science Department of the Østfold University College, Norway. Formerly he worked at Universidad Carlos III de Madrid, Spain. His research interests include applied research in information systems, software project management, people in software projects, business software, software and services process improvement and web science. He received his PhD in Computer Science from the Universidad Politécnica of Madrid (2005). He also holds a MBA from the Instituto de Empresa (2002). He has been working as Software Engineer, Project Manager and Software Engineering Consultant in several companies including Spanish IT leader INDRA. He is also an Editorial Board Member and Associate Editor for several international journals and conferences and Editor-in-chief of *International Journal of Human Capital and Information Technology Professionals* (Emeritus since August 2018).