

innovations

JOURNAL OF  
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ECONOMICS  
& MANAGEMENT

## Call for papers – Special Issue

### The impact of Blockchain in innovation

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The most important source of economic development and firms' growth is innovation (Vives, 2009) and consequently, boosting innovation is of central interest to policy makers and entrepreneurs. On the other hand, organizations need to be more and more flexible, agile and develop the culture of change to integrate innovation (Dupont, 2019) in order to improve their competitiveness and growth (Laperche, Burger-Helmchen, 2019).

Big Data, Artificial Intelligence (AI) and Blockchain technology are changing the way companies interact with stakeholders (Tapscott and Tapscott, 2017). Based on Waldo (2019), Blockchain "*will change the way we work, the way the economy runs, and the way we live in general*". The Blockchain becomes popular with the growing interest on cryptocurrencies, such as the bitcoin. Nevertheless, Blockchain is not limited to finance and will also impact different industries (Halaburda, 2018). The implementation of Blockchain technology within companies could influence their processes' management, their strategy and can be a value driver (Angelis and Ribeiro da Silva, 2019). For example, Kshetri (2018) analysed the Blockchain's roles in achieving supply chain management goals. According to Chen (2018), Blockchain could allow entrepreneurship to "*raise funds and engage stakeholders*" but also could contribute to spread innovation. Thus, the main benefits of Blockchain, raised by researchers, are (1) sensible data protection (Duvaut and Seulliet, 2018), (2) innovation and co-creation (Duvaut, Seulliet, Shavit, 2018), (3) traceability (Lu and Xu, 2017), (4) cost reduction (Tapscott and Tapscott, 2017), (5)

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real time transactions (Staples *et al.*, 2017), (6) fraud detection (Zheng, Xie, Dai, Chen and Wang, 2018) and (7) sustainability (Saberli, Kouhizadeh, Sarkis and Shen, 2019).

As the blockchain technology is still in an early stage of development, further research is needed, and researchers are challenged to make blockchain successful in different business domains. Blockchain as an emerging technology deals with organisations, people and technology and this special issue aims to explore potentials and impacts of blockchain, especially addressing the trust, sharing and privacy aspects in a business context.

**Several question, linked with the management of innovation processes, could be raised, such as (not limited to):**

- How does blockchain technology impact innovation processes in business organisations?
- Is the blockchain a solution to secure business transactions associated with innovation?
- What is the impact of blockchain on organisations (public or private)?
- Are regulations ready to manage blockchain technologies?
- How Blockchain can enhance co-creation or innovation?
- Blockchain, a value driver?

**Papers proposed could include following topics (not limited to):**

- The key determinants of the adoption of Blockchain technology
- Blockchain and the phenomenon of co-creation
- Blockchain and the new model of innovation
- Impact of Blockchain on the socio-economics mode of innovation
- Acceptance by companies or employees or customers of Blockchain solutions
- Impact of Blockchain on the innovation process
- Blockchain and new business models
- Blockchain and entrepreneurship
- Risk management in the funding of Blockchain projects
- The determinant of trust in the context of the blockchain technology
- Knowledge management and Blockchain
- Relationship management between suppliers using Blockchain technology

**Timetable for submission and acceptance of papers:**

- **March 30<sup>th</sup>, 2020:** Deadline for complete manuscripts through online paper submission: <http://www.editorialmanager.com/innovations/default.aspx>

Guideline for authors: [http://www.cairn.info/docs/Instructions\\_for\\_authorsGB110816.pdf](http://www.cairn.info/docs/Instructions_for_authorsGB110816.pdf)

- **March 31<sup>st</sup>, 2021:** Final notification for acceptance:

Submit abstracts or questions to: [pbaudier@em-normandie.fr](mailto:pbaudier@em-normandie.fr), [V.Chang@tees.ac.uk](mailto:V.Chang@tees.ac.uk) and [mitra.arami@pardis.eu](mailto:mitra.arami@pardis.eu)

## REFERENCES

ANGELIS, J., RIBEIRO DA SILVA, E. (2019), Blockchain adoption: A value driver perspective, *Business Horizon*, 62(3), 307-314.

CHEN, Y. (2018), Blockchain tokens and the potential democratization of entrepreneurship and innovation, *Business Horizon*, 61(4), 567-575.

DUPONT, L., (2019), Agile innovation: Creating value in uncertain environments, *Journal of Innovation Economics & Management*, 28, 1-5.

DUVAUT, P., SEULLIET, E. (2018), La blockchain, une technologie qui permet aussi de protéger vos actifs immatériels, *Harvard Business Review*, <https://www.hbrfrance.fr/chroniques-experts/2018/10/23021-la-blockchain-une-technologie-qui-permet-aussi-de-protoger-vos-actifs-immateriels/>

DUVAUT, P., SEULLIET, E., SHAVIT, D. (2018), Réinventer la cocreation grâce à la blockchain, *Harvard Business Review*, <https://www.hbrfrance.fr/chroniques-experts/2018/01/18712-reinventer-cocreation-grace-a-blockchain/>

HALABURDA, H. (2018), Economic and Business Dimension: Blockchain Revolution without the Blockchain? *Communication of the ACM*, 61(7), 27-29

HERLIHY, M. (2019), Blockchain from a Distributed Computing Perspective, *Communication of the ACM*, 62(2), 78-85

KSHETRI, N. (2018), Blockchain's roles in meeting key supply chain management objectives, *International Journal of Information Management*, 39, 80-89.

LAPERCHE, B., Burger-Helmchen. T. (2019), Innovation: The Janus Face of Finance, *Journal of Innovation Economics & Management*, 29, 1-5.

LU, Q., XU, X. (2017), Adaptable Blockchain-based Systems: A case study for product traceability, *IEEE Software*, 34(6), 21-27.

SABERI, S., KOUHIZADEH, M., SARKIS, J., SHEN, L. (2019), Blockchain technology and its relationships to sustainable supply chain management, 57(7), 2117-2135

STAPLES, M., CHEN, S., FALAMAKI, S., PONOMAREV, A., RIMBA, P., TRAN, A. B., WEBER, I., XU, X., ZHU, J., (2017), *Risks and opportunities for systems using blockchain and smart contracts*, Data61 (CSIRO), Sydney.

TAPSCOTT, A., TAPSCOTT, D. (2017), How blockchain is changing finance, *Harvard Business Review*, <https://hbr.org/2017/03/how-blockchain-is-changing-finance>

VIVES, X. (2008), Innovation and competitive pressure, *Journal of Industrial. Economics*, 56(3), 419-469

WALDO, J. (2019), A Hitchhiker's Guide to the Blockchain Universe? *Communication of the ACM*, 62(3), 38-42.

ZHENG, Z., XIE, S., DAI, H. N., CHEN, X., WANG, H. (2018), Blockchain challenges and opportunities: A survey, *International Journal of Web and Grid Services*, 14(4), 352-375.