



CALL FOR PAPER

NEW CHALLENGES IN THE BANKING SYSTEM: THE ROLE OF DISTRIBUTED LEDGER TECHNOLOGY International Virtual Conference

Rome, June 22nd - 23rd 2022

In the last decade, Distributed Ledger Technology (DLT) has attracted increasing attention in the financial sector and particularly in the banking sector. Indeed, it is perceived as an opportunity to achieve complexity reduction and cost savings in various processes (Carson et al., 2018; Al-Jaroodi & Mohamed, 2019; Buchinger et al., 2020), also considering the increasing pressure from incumbents and new players, and the need to recover efficiency because of the financial crisis.

DLT, configuring itself at the structural level as a community cooperating in regulatory and technological development without hierarchical levels but with shared governance, combines computer science, cryptography, and economic concepts relevant to inter-organizational cases in which multiple parties interact (Zheng et al., 2018; Buchinger et al., 2020). It enables secure processing of transactions between unprotected parties in a decentralized system (Kannengießer et al., 2019; Buchinger et al., 2020) while maintaining a single point of truth (Wattenhofer, 2017; Buchinger et al., 2020).

Therefore, the advent of DLT is challenging banks to move from established business models to a more technology-driven financial ecosystem that could trigger true disruption and produce a new era of value (Valero et al., 2020). Such solutions can help traditional banks modernize their technology and internal processes (among others, core-banking systems, identification and authentication applications, customer onboarding technologies, Know Your Customer (KYC) or Anti-Money Laundering (AML) procedures).

The application of distributed ledgers entails, therefore, internal challenges also related to the consolidation of a decision-making base with technical expertise (Fridgen et al., 2018; Buchinger et al., 2020) able to identify feasible use cases that generate increasing value for the bank (Glaser, 2017; Buchinger et al. 2020).

Thus, it seems clear that one of the biggest challenges facing traditional banks is to modernize their core banking systems, which have become outdated, expensive, and inflexible, by moving toward new business models.

The Conference is organised by the Department of Management of the Sapienza University of Rome and CIS Sapienza.

The goal of the Conference is to bring together people from academia, research, public institutions, and industries from different fields such as business, IT, and law in a unique program to discuss the opportunities and challenges of DLT in banking.

CALL FOR PAPER THEMES

To better explore open challenges, we will have two main tracks where original contributions are welcome:

1. Banking & Finance track;
2. Computer Science track.

This Call for Paper is dedicated to Banking & Finance track; you can find more information on Computer Science track on [our website](#).

BANKING & FINANCE TRACK

Authors are kindly encouraged to contribute to the conference by submitting their papers describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in the field of DLT and Blockchain in the banking system. Topics of interest include, but are not limited to:

- 1. DLTs and blockchain in the banking system and financial markets:**
 - theories, architectures, paradigms, and platforms;
 - distributed consensus and fault tolerance mechanisms;
 - security, privacy and trust;
 - decentralization, scalability, and security tradeoff;
 - performance analysis and optimization, simulation and performance evaluation techniques;
- 2. DLTs and blockchain applications and services in finance, with particular attention to:**
 - mobile financial product;
 - financial inclusion;
 - the payment system;
 - next-gen financial products/services;
- 3. Impact and accounting of crypto assets on banks' financial statement;**
- 4. Token economy;**
- 5. DLTs and blockchain based business models;**
- 6. CBDCs and banking industry;**
- 7. CBDCs and regulatory approaches.**

PUBLICATION OPPORTUNITIES

Banking & Finance track offers the following publication opportunities.

BANKING & FINANCE TRACK

- *Fast track in International Journal of Financial Innovation in Banking*, Inderscience Publisher, indexed in Google Scholar, J-Gate, cnpLINKer (CNPIEC).
- *Fast track in Journal of Financial Management, Markets and Institutions*, World Scientific Publishing Company, indexed in SCOPUS, RePEC, EconLit, DOJA, ABDC Journal Quality List (for another index go to <https://www.worldscientific.com/page/jfm/abstracted-indexed>).
- *Malaysian Journal Of Consumer And Family Economics (MACJAFE)*. Publisher: Malaysian Consumer and Family Economics Association (MACFEA) <https://www.majcafe.com/>. Indexed in Scopus.
- *Journal of Emerging Economies and Islamic Research (JEEIR)*. Publisher: Faculty of Business and Management and UiTM Press, Universiti Teknologi MARA, Malaysia <https://myjms.mohe.gov.my/index.php/JEEIR/index>. Indexed in ASEAN CITATION INDEX, ECONBIZ, EBSCOHOST, Malaysian Citation Index (MYCITE), Islamic World Science Citation Center (ISC), CORE, GIGA Informationszentrum.
- *al-Uqud: Journal of Islamic Economics*. Publisher: Department of Islamic Economics, Faculty of Economics and Business, University of Surabaya, Indonesia <https://journal.unesa.ac.id/index.php/jie/index>. Indexed in DOAJ, GARUDA, SINTA, Google Scholar, Crossref, Microsoft Academic Search, BASE, Stanford Libraries, Dimensions, MORAREF, Indonesia ONEsearch, IJSD, ACADEMIA.
- *Advances Business Research International Journal (ABRIJ)*. Publisher: Faculty of Business and Management, Universiti Teknologi MARA, Malaysia <https://myjms.mohe.gov.my/index.php/ABRIJ/index>. Indexed in ASEAN CITATION INDEX Malaysian Citation Index (MYCITE).

The DLT conference will manage the review process for papers submitted to the conference.

Regarding the publication opportunities, the submission process will follow each journal's submission and review procedures. Note that submission implies that the content has not been published or submitted for publication elsewhere.

IMPORTANT DATES

Submission Paper: no later than ~~April 10, 2022~~, May 15, 2022

Notification Acceptance: no later than ~~May 10, 2022~~, May 30, 2022

More information is available on [our website](#).