Kamal Bouhassoune

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Bibliography

Kamal Bouhassoune received a Master of Engineering in Computer Science and Statistics from Polytech'Lille in 2006, and a Master of Science in Business Development from the Edhec Business School, Lille, both in France.

He received his doctoral degree in 2024 from Hassan First University, Faculty of Sciences and Techniques of Settat, Morocco.

His research interests include peer-to-peer and Distributed ledger technologies (Blockchains), Game theory, Machine Intelligence, and analytics.

Dr. Bouhassoune currently serves on the editorial board of the International Journal of Blockchains and Cryptocurrencies (IJBC).

Research experience

PhD Researcher   **Since 2019**

Department of Mathematics, Computer Science and Applications.

Computer, Networks, Mobility and Modeling Laboratory FST Settat, Morocco.

Thesis

Study and Model Value-Driven Blockchain Smart Contracts for Cooperative Enterprise Information Systems.

Professors:: Pr. Sam Goundar and Pr. Abdelkrim Haqiq

Services

TPC member of the 4th International Conference on Artificial Intelligence and Smart Data Science (AISDS'2025).

Organizing committee member of the 3rd International Conference on Artificial Intelligence and Computer Vision (AICV'2023).

Lecturing experience

Full time lecturer at EFREI Paris Panthéon-Assas University   **2016 - 2018**

Business Intelligence Analytics: SQL modeling, Power BI devlopement. (ST2IBI - Spring 2018).

Collaborative platforms: Cvs/Svn, Git training, Github administration. (ST2CT - Spring 2018).

Risk Management: Methodology assessment and evaluation. (ST2GRE - Fall 2017).

Data processing & visualization: Applied training and assessment. (ST2IBI - Spring 2017).

Advanced databases: SQL, Database development and optimization. (ST2BDA - Fall 2016, Fall 2017).

Professors: Pr. Layth Sliman and Pr. Benoit Charroux

Departments : Business Intelligence and Software engineering.

Stacks: Git/Github, Sql/PLsql. Databases (Oracle, NoSql JSON), Languages (Java, JavaScript, XML, XSL, HTML, CSS). V cycle and agile projects.

Evaluations : Class participation and projects (40%), Final exams (60%).

Industry experience

Inneosoft   **Since 2017**
Budget and project management, ERP migration and deployment, training and support, Process overhaul and consulting, Agile management.

Independent consultant   **2013 - 2016**
System migration and stabilization, Process analysis and improvement, Project and vendor management, Mobile solution promotion.

Generix Group   **2006 - 2012**
Project and team leadership, ERP Expertise, End-to-end delivery, Technical implementation and expertise.

20+ customers and partners: Enedis, Les Mousquetaires, Ramsay, Aurea Software, Id Group, Auchan, Capgemini, Accenture.
Stacks: 3-tiers architecture, Sql/PLsql Oracle database, Java, JavaScript, Unix, Microsoft Server, Client/Server and batch.

Skills

Applied Computer Science and Statistics. Web Languages, Databases, Python (Web3, Pytorch), Solidity, Rust, and R.
Languages, (Trilingual) Arabic - English - French

Publications

Scopus indexed conferences, Springer books and journals.

Bouhassoune, K., Goundar, S., Haqiq, A. (2025) **Towards Secure and Auditable Agentic AI Using Blockchain: A Review and Taxonomy**. Accepted in the 4th International Conference on Artificial Intelligence and Smart Data Science (AISDS'2025).

Bouhassoune, K., Goundar, S., Haqiq, A. (2025) **Blockchain-enabled Peer-to-peer Value Capture: a Fair Transaction Mechanism**. IAENG International Journal of Computer Science. Vol. 52(11), pp:4280-4290. [Link].

Bouhassoune, K., Goundar, S., Haqiq, A. (2024). **Classification of Sources for Blockchain Value Creation: A Review of Financial Technology Taxonomies**. In: (eds) Business Intelligence and Information Technology. BIIT 2023. Smart Innovation, Systems and Technologies, vol 394. Springer, Singapore [Doi].

Bouhassoune, K., Goundar, S., Haqiq, A. (2022). **Blockchain for Smart Healthcare: A SWOT Analysis from the Patient Perspective**. In: (eds) Intelligent Systems Design and Applications. ISDA 2022. Lecture Notes in Networks and Systems, vol 716. Springer, Cham. [Doi].