


Dr Klitos Christodoulou

Curriculum Vitae

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Personal Information

Academic **Ph.D. in Computer Science**,
Title: *University of Manchester, UK*
Nationality: Cypriot
Languages: Greek (Native), English (Full professional proficiency)
Military *Completed*, compulsory military service
Service: for a period of 25 months (2004 – 2006)
Location: Nicosia, Cyprus

Current Position

Oct 2018 – **Assistant Professor (Full-time - Elected Faculty)**,
present *Department of Digital Innovation, School of Business.*
University of Nicosia, CY

Previous Academic Appointments

Oct 2015 – **Lecturer in Informatics (Tenure - Elected Faculty)**,
Oct 2018 *Department of Information Sciences.*
Neapolis University Pafos, CY

Responsibilities include: Academic lectures and tutorials, coordination of laboratories, undergraduate students' supervision.

Administrative duties: Programme coordinator, deputy course leader, syllabus preparation and programme delivery.

Research: Drafting and submitting EU proposals. Development of personal research interests.

Research Interests

- **Blockchains:** Distributed Ledger Technologies, Data Management on the Blockchain, Consensus Algorithms.
- **Pay-as-you-go Data Integration:** automated techniques on the semantic integration of heterogeneous data sources from the Web of Data, Data Management, Uncertainty Management.
- **Machine Learning:** Bayesian Inference, Kernel-based Techniques, Supervised/Un-supervised Learning, Recommended Systems, Educational Robotics.

Education

2010–2014 **PhD in Computer Science**, *University of Manchester*, UK.

Thesis Title: *On Techniques for Pay-as-you-go Data Integration of Linked Data*

Supervisors Prof. Norman W. Paton and Dr. Alvaro A. A. Fernandes

Brief Synopsis of Research.

As the Web of Data (WoD) grows in popularity there is an increasing need for consumers to reconcile heterogeneity at different levels and query data from multiple datasets (that are likely to be independently and autonomously modified at Web scale). Considering the challenges, as well as the opportunities offered under the context of Linked Data (LD) (e.g., dereferenceable URIs, typed links, rich semantic annotations).

The aim of my research was to explore the extent to which LD sources on the WoD can be treated, with respect to pay-as-you-go data integration as if they were classical structured sources, while leveraging the rich semantic knowledge offered by LD to reduce the uncertain decisions that are likely to (or inevitably) arise as a result of an automated approach to data integration.

Funding: Engineering and Physical Sciences Research Council (EPSRC), UK.

2009–2010 **MSc in Advanced Computer Science (Advanced Applications)**,
University of Manchester, UK.

Degree Classification: Distinction

Thesis Title: Collaborative On-line Concept Mapping.

2006–2009 **BSc (Hons) in Computer Science**,
University of Manchester, UK.

Degree Classification: First Class Honours (1st)

Dissertation Title: ElectroCAD - A Simple CAD Application.

2001–2004 **Secondary School Certificate, Cyprus Apolytirion**,
St. Neophytos Lyceum - High School, Paphos, Cyprus.

Total GPA: *Excellent* (19 and 8/12)

Specialisation: Adv. Mathematics, Adv. Physics, Computing, Technological Studies

Research Experience

July 2020 – present **Founder**, *Distributed Ledgers Research Center (DLRC)*,
University of Nicosia, CY.

Online here: <https://www.unic.ac.cy/iff/dlrc/>

Nov. 2018 – present **Research Manager**, *Institute For the Future (IFF) – an Institute that specializes on the convergence of emerging technologies*,
University of Nicosia, CY.

Various EU Funded Projects (see Externally Funded Projects)

Oct. 2015 – **Research Associate**, *Department of Information Sciences*,
Oct. 2018 *Neapolis University Pafos*, CY.

Various EU Funded Projects (see Externally Funded Projects)

2014 – 2015 **Research Associate / Special Scientist**, *School of Computer Science*,
University of Manchester, UK.

Project: Pay-as-you-go Data Integration

Group: Information Management Group (IMG)

2010 – 2014 **PhD Research Student**, *School of Computer Science, University of Manchester, UK.*
Project: Data Integration of Linked Data Sources
Group: Information Management Group (IMG)
Funding: Engineering and Physical Sciences Research Council (EPSRC)

Teaching Experience

Jan. 2018 – present **Assistant Professor**, *Department of Digital Innovation, University of Nicosia, CY.*

- DL – Blockchain Systems and Architectures (Fall 2021, Spring 2022, Fall 2022, Spring 2023)
- DL – Smart Contract Programming (Spring 2022, Fall 2022, Fall 2023)
- DL – Digital Currency Programming (Summer 2019)
- DL – Blockchain Technology and Applications (Fall 2018, Spring 2019, Summer 2019, Fall 2019, Spring 2020, Summer 2020, Fall 2020, Spring 2021)

Oct. 2015 – **Lecturer in Informatics**, *Department of Computer Science, Neapolis University Pafos, CY.*

- Introduction to Programming with C (Fall 2015, 2016, 2017, 2018)
- Data Structures & Programming Techniques (Spring 2015, 2016, 2018)
- Object Oriented Programming (Fall 2016, 2017)
- Design and Use of Databases (Spring 2016, 2018)
- Implementation of Database Systems (Fall 2017, 2018)

2014–2015 **Adjunct Staff**, *School of Computer Science, University of Manchester, UK.*

- Advanced Database Management Systems (MSc), (Fall 2014-15)
- Fundamental of Databases (BSc), (Spring 2014-15)
- ▷ Acting as course coordinator.
- ▷ Coordinate the execution of the Laboratory sessions, supervision of 6 Teaching Assistants.
- ▷ Head invigilator/ course marker.

2010–2014 **Teaching Assistant**, *School of Computer Science, University of Manchester, UK.*

- Advanced Database Management Systems (MSc), (Fall 2011, Spring 2012, Fall 2013)
- Fundamental of Databases (BSc), (Fall 2010-11)
- Agile Software Engineering (BSc), (Spring 2010-11)
- ▷ Appointed as a chair for many seminars/presentations and acted as a head Teaching Assistant.
- ▷ Appointed as a mentor for Undergraduate/ Postgraduate students; invigilate examinations and coordinate the marking processes of several course units both at the Undergraduate/ Postgraduate level.

Administrative Experience

- Project Manager, University of Nicosia, *since June-2023*.
 - ▷ Acting as the project manager for the development of the new Student Information System (SIS) for the university. Technologies used: Web2/Web3 stack, blockchains, LLMs
- Scientific Lab-leader and Founder, Distributed Ledgers Research Centre (DLRC), University of Nicosia, *Jul-2020*.
- Research Manager, Institute For the Future (IFF), University of Nicosia, *Jan-2019*.
- Co-founder of the Department of Computer Science at Neapolis University Pafos, *2015*.
- Extensive familiarity with the legislation and regulations for the Establishment and Operation of private Universities in Cyprus.
 - ▷ Composition of the Department of Digital Innovation (University of Nicosia) and Handbook for the MSc in Blockchain and Digital Currency in alignment with the requirements set by the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (DI.P.A.E.), *Jul. 2020*.
 - ▷ Composition of an MSc in Information Systems & a BSc in Applied Informatics Programme Handbooks (Neapolis University) approved and accredited by the Evaluation Committee of Private Universities (ECPU) in Cyprus, *2015*.
 - ▷ Composition of the MA in Digital Video Production Programme Handbook (Neapolis University) in alignment with the requirements set by the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (DI.P.A.E.), *approved in 2016*.

Publications

PhD Thesis

- [1] Klitos Christodoulou. "On techniques for pay-as-you-go data integration of linked data". University of Manchester, UK, 2015. URL: <http://www.manchester.ac.uk/escholar/uk-ac-man-scw:260473>.

Book Editor

- [1] Maria Papadaki, Paulo Rupino da Cunha, Marinos Themistocleous, and Klitos Christodoulou, eds. *Information Systems - 19th European, Mediterranean, and Middle Eastern Conference, EMCIS 2022, Virtual Event, December 21-22, 2022, Proceedings*. Vol. 464. Lecture Notes in Business Information Processing. Springer, 2023. ISBN: 978-3-031-30693-8. DOI: 10.1007/978-3-031-30694-5. URL: <https://doi.org/10.1007/978-3-031-30694-5>.

Book Chapters

- [2] Enrico Zanardo, Gian Pio Domiziani, Elias Iosif, and Klitos Christodoulou. *Identification of Illicit Blockchain Transactions Using Hyperparameters Auto-tuning*. Ed. by Kevin Daimi, Ioanna Dionysiou, and Nour El Madhoun. Cham, 2023. DOI: 10.1007/978-3-031-10507-4_2. URL: https://doi.org/10.1007/978-3-031-10507-4_2.
- [1] Klitos Christodoulou, Leonidas Katelaris, Marinos Themistocleous, Panayiotis Christodoulou, and Elias Iosif. *NFTs and the metaverse revolution: research perspectives and open challenges*. 2022.

Journals

- [12] Elias G Carayannis, Klitos Christodoulou, Panayiotis Christodoulou, Savvas A Chatzichristofis, and Zinon Zinonos. "Known Unknowns in an Era of Technological and Viral Disruptions Implications for Theory, Policy, and Practice". In: *Journal of the Knowledge Economy* (2021), pp. 1–24.
- [11] Salomi Evripidou, Angelos Amanatiadis, Klitos Christodoulou, and Savvas A Chatzichristofis. "Introducing Algorithmic Thinking and Sequencing Using Tangible Robots". In: *IEEE Transactions on Learning Technologies* 14.1 (2021), pp. 93–105.
- [10] Evgenia Kapassa, Marinos Themistocleous, Klitos Christodoulou, and Elias Iosif. "Blockchain Application in Internet of Vehicles: Challenges, Contributions and Current Limitations". In: *Future Internet* 13.12 (2021), p. 313.
- [9] Klitos Christodoulou, Elias Iosif, Antonios Inglezakis, and Marinos Themistocleous. "Consensus Crash Testing: Exploring Ripple's Decentralization Degree in Adversarial Environments". In: *Future Internet* 12.3 (2020), p. 53.
- [8] Klitos Christodoulou, Savvas A Chatzichristofis, Georgios Ch Sirakoulis, and Panayiotis Christodoulou. "RandomBlocks: A Transparent, Verifiable Blockchain-based System for Random Numbers." In: *J. Cell. Autom.* 14.5-6 (2019), pp. 335–349.
- [7] C. Iakovidou, N. Anagnostopoulos, M. Lux, K. Christodoulou, Y. Boutalis, and S. A. Chatzichristofis. "Composite description based on Salient Contours and Color information for CBIR tasks". In: *IEEE Transactions on Image Processing* (2019), pp. 1–1. ISSN: 1057-7149. DOI: 10.1109/TIP.2019.2894281.
- [6] Spyros Makridakis and Klitos Christodoulou. "Blockchain: Current Challenges and Future Prospects/Applications". In: *Future Internet* 11.12 (2019), p. 258.
- [5] Fernando RS Serrano, Alvaro AA Fernandes, and Klitos Christodoulou. "An approach to quantify integration quality using feedback on mapping results". In: *International Journal of Web Information Systems* 15.1 (2019), pp. 47–70.
- [4] S. A. Vassou, N. Anagnostopoulos, K. Christodoulou, A. Amanatiadis, and S. A. Chatzichristofis. "CoMo: a scale and rotation invariant compact composite moment-based descriptor for image retrieval". In: *Multimedia Tools and Applications* 78.3 (Feb. 2019), pp. 2765–2788. ISSN: 1573-7721. DOI: 10.1007/s11042-018-5854-3. URL: <https://doi.org/10.1007/s11042-018-5854-3>.
- [3] Klitos Christodoulou, Fernando Rene Sanchez Serrano, Alvaro A. A. Fernandes, and Norman W. Paton. "Quantifying and Propagating Uncertainty in Automated Linked Data Integration". In: *Transactions on Large-Scale Data- and Knowledge-Centered Systems XXXVII* (2018). Ed. by Abdelkader Hameurlain and Roland Wagner, pp. 81–112.
- [2] Panayiotis Christodoulou, Klitos Christodoulou, and Andreas S. Andreou. "A Decentralized Application for Logistics: Using Blockchain in Real-World Applications". In: *Cyprus Review—Journal of Social Sciences* Vol. 30.2 (2018), pp. 181–193.
- [1] Klitos Christodoulou, Norman W. Paton, and Alvaro A. A. Fernandes. "Structure Inference for Linked Data Sources Using Clustering". In: *Trans. Large-Scale Data- and Knowledge-Centered Systems* 19 (2015), pp. 1–25. URL: https://doi.org/10.1007/978-3-662-46562-2_1.

Conference Proceedings

- [27] Stamatis Papangelou, Klitos Christodoulou, and George Michoulis. "Exploring Decentralized Governance: A Framework Applied to Compound Finance". In: *Mathematical Research for Blockchain Economy*. Ed. by Panos Pardalos, Ilias Kotsireas, William J. Knottenbelt, and Stefanos Leonardos. Cham: Springer Nature Switzerland, 2023, pp. 152–168. ISBN: 978-3-031-48731-6.
- [26] Marinos Themistocleous, Klitos Christodoulou, and Elias Iosif. "Academic certificates issued on blockchain: the case of the University of Nicosia and Block. co". In: *Supporting Higher Education 4.0 with Blockchain*. Routledge, 2023, pp. 166–178.
- [25] Elias Iosif, Klitos Christodoulou, and Andreas Vlachos. "Computation of Blockchain Readiness Under Partial Information". In: *Information Systems*. Ed. by Marinos Themistocleous and Maria Papadaki. Cham: Springer International Publishing, 2022, pp. 87–101. ISBN: 978-3-030-95947-0.
- [24] Evgenia Kapassa, Marios Touloupou, and Klitos Christodoulou. "A Blockchain Based Approach for Demand Response Management in Internet of Vehicles". In: *2022 7th International Conference on Smart and Sustainable Technologies (SpliTech)*. 2022, pp. 1–6. DOI: 10.23919/SpliTech55088.2022.9854344.
- [23] Marinos Themistocleous, Klitos Christodoulou, and Leonidas Katelaris. "An Educational Metaverse Experiment: The First On-Chain and In-Metaverse Academic Course". In: *European, Mediterranean, and Middle Eastern Conference on Information Systems*. Springer. 2022, pp. 678–690.
- [22] Marios Touloupou, Klitos Christodoulou, Antonios Inglezakis, Elias Iosif, and Marinos Themistocleous. "Benchmarking Blockchains: The case of XRP Ledger and Beyond". In: *Proceedings of the 55th Hawaii International Conference on System Sciences*. 2022.
- [21] Marios Touloupou, Marinos Themistocleous, Elias Iosif, and Klitos Christodoulou. "A Systematic Literature Review Toward a Blockchain Benchmarking Framework". In: vol. 10. 2022, pp. 70630–70644. DOI: 10.1109/ACCESS.2022.3188123.
- [20] Alexandros Kalafatelis, Konstantinos Panagos, Anastasios E Giannopoulos, Sotirios T Spantideas, Nikolaos C Kapsalis, Marios Touloupou, Evgenia Kapassa, Leonidas Katelaris, Panayiotis Christodoulou, Klitos Christodoulou, et al. "ISLAND: An Interlinked Semantically-Enriched Blockchain Data Framework". In: *International Conference on the Economics of Grids, Clouds, Systems, and Services*. Springer. 2021, pp. 207–214.
- [19] Marios Touloupou, Klitos Christodoulou, Antonis Inglezakis, Elias Iosif, and Marinos Themistocleous. "Towards a Framework for Understanding the Performance of Blockchains". In: *2021 3rd Conference on Blockchain Research Applications for Innovative Networks and Services (BRAINS)*. 2021, pp. 47–48. DOI: 10.1109/BRAINS52497.2021.9569810.
- [18] A. Anastasiou, P. Christodoulou, K. Christodoulou, V. Vassiliou, and Z. Zinonos. "IoT Device Firmware Update over LoRa: The Blockchain Solution". In: *2020 16th International Conference on Distributed Computing in Sensor Systems (DCOSS)*. 2020, pp. 404–411. DOI: 10.1109/DCOSS49796.2020.00070.

- [17] K. Christodoulou, P. Christodoulou, Z. Zinonos, E. G. Carayannis, and S. A. Chatzichristofis. "Health Information Exchange with Blockchain amid Covid-19-like Pandemics". In: *2020 16th International Conference on Distributed Computing in Sensor Systems (DCOSS)*. 2020, pp. 412–417. DOI: 10.1109/DCOSS49796.2020.00071.
- [16] P. Christodoulou and K. Christodoulou. "Developing more Reliable News Sources by utilizing the Blockchain technology to combat Fake News". In: *2020 Second International Conference on Blockchain Computing and Applications (BCCA)*. 2020, pp. 135–139. DOI: 10.1109/BCCA50787.2020.9274460.
- [15] Panayiotis Christodoulou and Klitos Christodoulou. "A Decentralized Voting Mechanism: Engaging ERC-20 token holders in decision-making". In: *Proceedings of the 7th International Conference on Software Defined Systems (SDS)*. IEEE, 2020. URL: https://emergingtechnet.org/SDSProceedings/SDSpackingList/33_BAT2020_RC_07.pdf.
- [14] Paulo Rupino da Cunha, Marinos Themistocleous, and Klitos Christodoulou. "Introduction to the Minitrack on Blockchain Cases and Innovations". In: *53rd Hawaii International Conference on System Sciences, HICSS 2020, Maui, Hawaii, USA, January 7-10, 2020*. ScholarSpace, 2020, p. 1. URL: <http://hdl.handle.net/10125/64391>.
- [13] Elias Iosif, Klitos Christodoulou, Marios Touloupou, and Antonios Inglezakis. "Leadership Uniformity in Raft Consensus Algorithm". In: *Information Systems*. Cham: Springer International Publishing, 2020, pp. 125–136. ISBN: 978-3-030-63396-7.
- [12] Markos Marios Kaklamanis, Michael. Filippakis, Marios Touloupou, and Klitos Christodoulou. "An Experimental Comparison of Machine Learning Classification Algorithms for Breast Cancer Diagnosis". In: Cham: Springer International Publishing, 2020, pp. 18–30.
- [11] Marinos Themistocleous, Klitos Christodoulou, Elias Iosif, Soulla Louca, and Demetrios Tseas. "Blockchain in Academia: Where do we stand and where do we go?" In: *Proceedings of the 53rd Hawaii International Conference on System Sciences*. 2020. URL: <http://hdl.handle.net/10125/64398>.
- [10] Marios Touloupou, Evgenia Kapassa, Dimosthenis Kyriazis, and Klitos Christodoulou. "Test Recommendation for Service Validation in 5G Networks". In: *European, Mediterranean, and Middle Eastern Conference on Information Systems*. Springer. Springer International Publishing, 2020, pp. 139–150.
- [9] Klitos Christodoulou, Elias Iosif, Soulla Louca, and Marinos Themistocleous. "Identity Discovery in Bitcoin Blockchain: Leveraging Transactions Metadata via Supervised Learning". In: *Proceedings of the 3rd International Conference on Vision, Image and Signal Processing. ICVISP 2019*. Vancouver, BC, Canada: Association for Computing Machinery, 2019. ISBN: 9781450376259. DOI: 10.1145/3387168.3387212. URL: <https://doi.org/10.1145/3387168.3387212>.
- [8] D. Mastorodimos, S. A. Chatzichristofis, A. Jimoyiannis, and K. Christodoulou. "Making Sense of Fractions using E-learning Platforms - A Survey". In: *2018 Innovations in Intelligent Systems and Applications (INISTA)*. July 2018, pp. 1–6. DOI: 10.1109/INISTA.2018.8466304.
- [7] Z. Zinonos, V. Vassiliou, and K. Christodoulou. "Reliable Mobility Support for e-Health Monitoring: A Performance Evaluation". In: *2018 Innovations in Intelligent Systems and Applications (INISTA)*. July 2018, pp. 1–6. DOI: 10.1109/INISTA.2018.8466301.

- [6] Panayiotis Christodoulou, Klitos Christodoulou, and Andreas S. Andreou. "A Real-time Targeted Recommender System for Supermarkets". In: *ICEIS 2017 - Proceedings of the 19th International Conference on Enterprise Information Systems, Vol 2, Porto, Portugal, Apr. 26-29, 2017*. 2017, pp. 703–712. URL: <https://doi.org/10.5220/0006309907030712>.
- [5] Fernando R. S. Serrano, Alvaro A. A. Fernandes, and Klitos Christodoulou. "Quantifying integration quality using feedback on mapping results". In: *Proceedings of the 19th International Conference on Information Integration and Web-based Applications & Services, iiWAS 2017, Salzburg, Austria, Dec. 4-6, 2017*. 2017, pp. 3–12. DOI: 10.1145/3151759.3151763. URL: <http://doi.acm.org/10.1145/3151759.3151763>.
- [4] Sotiris A. Vassou, Nektarios Anagnostopoulos, Angelos Amanatiadis, Klitos Christodoulou, and Savvas A. Chatzichristofis. "CoMo: A Compact Composite Moment-Based Descriptor for Image Retrieval". In: *Proceedings of the 15th International Workshop on Content-Based Multimedia Indexing, CBMI 2017, Florence, Italy, June 19-21, 2017*. 2017, 30:1–30:5. URL: <http://doi.acm.org/10.1145/3095713.3095744>.
- [3] Klitos Christodoulou, Alvaro A. A. Fernandes, and Norman W. Paton. "Combining Syntactic and Semantic Evidence for Improving Matching over Linked Data Sources". In: *Web Information Systems Engineering - WISE 2015 - 16th International Conference, Miami, FL, USA, Nov. 1-3, 2015, Proceedings, Part I*. 2015, pp. 200–215. DOI: 10.1007/978-3-319-26190-4_14. URL: https://doi.org/10.1007/978-3-319-26190-4_14.
- [2] Klitos Christodoulou, Norman W. Paton, and Alvaro A. A. Fernandes. "Structure inference for linked data sources using clustering". In: *Joint 2013 EDBT/ICDT Conferences, EDBT/ICDT '13, Genoa, Italy, March 22, 2013, Workshop Proceedings*. 2013, pp. 60–67. URL: <http://doi.acm.org/10.1145/2457317.2457328>.
- [1] Norman W. Paton, Klitos Christodoulou, Alvaro A. A. Fernandes, Bijan Parsia, and Cornelia Hedeler. "Pay-as-you-go data integration for linked data: opportunities, challenges and architectures". In: *Proceedings of the 4th International Workshop on Semantic Web Information Management, SWIM 2012, Scottsdale, AZ, USA, May 20, 2012*. 2012, p. 3. URL: <http://doi.acm.org/10.1145/2237867.2237870>.

▷ **Google Scholar Profile:** <http://tinyurl.com/z4u77w9>

Externally Funded Projects

- Jan. 2022 – **Ripple Project, University Blockchain Research Initiative (UBRI)**, *Funding: UBRI*,
present Silicon Valley Community Foundation.
Role: Principal Investigator. **Budget:** 1,1M USD
- Apr. 2019 – **Ripple Project, University Blockchain Research Initiative (UBRI)**, *Funding: UBRI*,
Dec. 2021 Silicon Valley Community Foundation.
Role: Principal Investigator. **Budget:** 444,000 USD
- May. 2021 – **CY-EBSI - Establishment of European Blockchain Service infrastructure (EBSI)**
Apr. 2023 **node(s) in Cyprus**, *Funding: European Commission*, Connecting Europe Facility 2014-
2020.
Role: Principal Investigator. **Budget:** 50,000 EUR
- Accepted **INFINITECH – Tailored IoT & BigData Sandboxes and Testbeds for Smart, Au-**
Q2-2019 **tonomous and Personalized Services in the European Finance and Insurance Ser-**
vices Ecosystem, *Funding: Horizon 2020*, European Commission.
Role: Research Scientist – Member. **Budget:** 21 Million Euro
- Accepted **BLOCKPOOL – Pooling SME adoption and deployment of Blockchain and other**
Q1-2019 **DLTs Topic: Blockchain Technologies**, *Funding: Horizon 2020*, European Commission.
Role: Research Scientist – Member. **Budget:** 1.49 Million Euro
- Apr. 2019 – **ABC – Austrian Blockchain Center, Topic: Blockchain Technologies**, *Funding:*
present *Austrian Government for launching a research center*, –National Funds.
Role: Research Scientist – Member. **Budget:** 17 Million Euro
- Dec. 2018 – **EUNOMIA – User-oriented, secure, trustful & decentralised social media, Topic:**
Nov. 2021 **Blockchain Technologies**, *Funding: Horizon 2020*, European Commission.
Role: Principal Investigator - Senior Researcher. **Budget:** 3 Million Euro
- Nov. 2018 – **DLT4ALL – A Knowledge Alliance for Blockchain in Academic, Entrepreneurial**
Oct. 2021 **and Investment Training, Topic: Blockchain Technologies**, *Funding: Erasmus+*,
European Commission.
Role: Research Scientist – Member. **Budget:** 990,680 Euro
- Sep. 2016 – **E.U. Teaming Project, Centre for STEAM Education Research, Science Commu-**
Sep. 2017 **nication and Innovation (CSRC – Cyprus Science and Research Centre)**, *Funding:*
H2020-WIDESPREAD-2016-2017, Spreading Excellence and Widening Participation.
Role: Research Scientist – Member.
- Oct. 2016 – **BIG STEP – Learning through Gamification – Integration of the vulnerable groups**,
Oct. 2018 *Funding: KA2 - Erasmus+*.
Role: Researcher – Collaborator.
- Dec. 2015 – **E.U. Project, WASTECOSMART – Optimisation of Integrated Solid Waste Man-**
Aug. 16 **agement Strategies for the Maximisation of Resource Efficiency**, *Funding: FP7*.
Role: Researcher – Collaborator.

Professional Activities

- Committee Work and Activities:
- ▷ Editor in Blockchain: Research and Applications (BCRA) - Elsevier
 - ▷ Associate Editor in Frontiers in Blockchain - Blockchain in Industry
 - ▷ Program Committee @ INISTA 2020 (2020 International Conference on INnovations in Intelligent SysTEms and Applications)
 - ▷ Program Committee @ ISloT2020: 2nd International Workshop on Intelligent Systems for the Internet of Things
 - ▷ Guest Editor – Special Issue of the MDPI Journal Future Internet (2019) on the 3rd Annual Decentralized Conference (DECENTRALIZED 2019), ISSN 1999-5903.
 - ▷ Guest-edited section: The emerging blockchain revolution and its implications for Cyprus.
 - ▷ Chairman at the 1st Cyprus Blockchain Summit, IMH, July 20, 2019
 - ▷ Guest Editor – Special Issue of the MDPI Journal Future Internet (2019) on *Blockchain: Current Challenges and Future Prospects/ Applications*, ISSN 1999-5903.
 - ▷ Associate Editor, Frontiers in Blockchain
 - ▷ ISO/TC 307/ Working Group 3 - Smart Contracts and Blockchain Applications
 - ▷ Program Committee @ 1st and 2nd International Workshop on Intelligent Systems for IoT (ISloT 2019, 2020)
 - ▷ Tutorial Co-Chair member – IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD 2019)
 - ▷ 1st Cyprus University Programming Competition (ICPC17), organized by ACM
 - ▷ Member of the Scientific Committee @ 3rd Cyprus Robotex Challenge
 - ▷ Member of the Scientific Committee @ 2nd Cyprus Robotex Challenge
 - ▷ Coach @ 1st Cyprus Robotex Challenge
 - ▷ Program Committee @ 4th special session on New Methods and Tools for Big Data, Software Services and Cloud Computing (MT4BD-2018)
- Conference/ Workshops Organizer:
- ▷ Local Organizing Chair @ European Conference on Information Systems – ECIS 2024, Upcoming, 2024.
 - ▷ Minitrack co-chair @ HICSS-57 – Hawaii International Conference on System Sciences, January 3 – 6, 2024.
 - ▷ Workshop Chair @ BlockCybersec 2020, International Workshop on Recent Advances of Blockchain Technologies for Cybersecurity (BlockCybersec) August 2-6, 2020.
 - ▷ Organizer for Decentralized 2019 (DC2019) – Academic Track
 - ▷ Mini-track Co-Chair on Blockchain Technology and Applications – 16th and 17th European Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2019, 2020)
 - ▷ Mini-Track Co-Chair on Blockchain Cases and Innovations – Hawaii International Conference on System Sciences (HICSS 52 – 2019, 53 – 2020)
 - ▷ Special Session Organizer – CAMAD 2019 Workshop on Blockchain Technologies – IEEE Computer Aided Modeling and Design of Communication Links and Networks
- Journal Reviewer:
- ▷ IEEE - Transactions on Network Science and Engineering
 - ▷ MDPI Open-Access Journals Data, Future Internet
 - ▷ Journal of Data and Information Quality (JDIQ)
 - ▷ Journal of Enterprise Information Management (JEIM)
 - ▷ 14th International Workshop on Engineering Service-Oriented Applications and. Cloud Services (WESOACS 2018)
 - ▷ Computational Economics (CSEM)

- Conference Reviewer: ▷ Technical Committee – IEEE - 1st and 2nd International Workshop on Intelligent Systems for IoT (ISIoT 2019, 2020)
 ▷ CIKM 2018 – International Conference on Information and Knowledge Management
- Quality Assurance Committee: ▷ Member of the University's Quality Assurance Committee, *University of Nicosia, School of Business, Feb. 2018 – present*
- Advisor/Consulting: ▷ Consultant for the National Betting (NBA) Authority, Cyprus
 ▷ Advisor for the Blockchain National Strategy for Cyprus
 ▷ National Representative (Technical committee) for the European Blockchain Services Infrastructure (EBSI) and European Blockchain Partnership Policy, European Commission

———— Dissertation & Thesis Advisor

- Feb. 2021 - present ▷ 1 PhD Student (Mr. Stamatis Papangelou) *on the decentralization degree of Distributed Ledger Organizations (DAOs)* – University of Nicosia, Dept. of Digital Innovation
- Feb. 2019 - Sep. 2023 ▷ 1 PhD Student (Mr. Andreas Vlachos) *on a Blockchain Readiness Index for assessing the maturity of counties on blockchain technology* – University of Nicosia, Dept. of Digital Innovation
- Feb. 2019 - present ▷ 5 MSc Thesis Students for the MSc Digital Currency, University of Nicosia, Dept. Management & MIS
- 2015 - 2019 ▷ 1 PhD Student completed with *Minor-corrections* (Mr. Fernando Rene Sanchez Serrano), School of Computer Science, University of Manchester, UK.

———— Other Scholarly Activities

- Conferences Attended & Invited Presentations: ▷ Presenter/ Co-Organizer – Training Series for the National Betting Authority, Cyprus, 31 Jan. – 1 Feb. 2019
 ▷ Organizer – 1st Decentralized Training Series (DTS 2018) – Ethereum Developers Workshop, Athens, Greece, Nov. 19-20, 2018.
 ▷ 19th International Conference on Enterprise Information Systems (ICEIS 2017), Porto, Portugal, April 26-29, 2017.
 ▷ Cyprus Food and Nutrition Museum (CFNM) Seminars, *Entrepreneurship – Innovation using Information Technologies*, Neapolis University Pafos, March 3-5, 2017.
 ▷ 1st Pan-Paphian Research and Innovation Conference, *The Digital Era, Computer Science Prospects and Opportunities*, Neapolis University Pafos, Feb. 3-4, 2017.
 ▷ 16th International Conference on Web Information Systems Engineering (WISE 2015), Miami, Florida, USA, Nov. 1-3 2015.
 ▷ EDBT/ICDT Joint Conference, 3rd International Workshop on Linked Web Data Management (LWDM 2013), Genoa, Italy, March 18-22 2013.
 ▷ Annual School Research Symposium 2012, PhD Candidate Research proposal presenter, School of Computer Science, University of Manchester, UK, Oct. 3-10, 2012.
 ▷ ACM SIGMOD/PODS Conference, 4th International Workshop on Semantic Web Information Management (SWIM 2012), Scottsdale, Arizona, USA, May 14-20 2012.
 ▷ Annual School Research Symposium 2011, PhD Candidate Poster session, School of Computer Science, University of Manchester, UK, Oct. 4-8, 2011.
 ▷ 28th British National Conference on Databases (BNCOD 2011), PhD Candidate Forum presenter, School of Computer Science, University of Manchester, UK, July 12-14, 2011.

Honors, Awards & Certificates

- XRPL Contributor Award, awarded by the University Blockchain Research Initiative (UBRI), at UBRI Connect 2023, October 12 – 13 | Toronto, Canada
- Best Technical Paper Award: “Leadership Uniformity in Raft Consensus Algorithm” awarded by the 17th European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS), 25 – 26 November, 2020 | Dubai, UAE
- Best Theoretical Paper Award: “An experimental comparison of Machine Learning Classification Algorithms for Breast Cancer Diagnosis” awarded by the 16th European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS), 9 – 10 December, 2019 | Dubai, UAE
- Review Confirmation Certificate, MDPI Open-Access Data, Future Internet Journals, Aug. 2019.
- Certificate of Appreciation, 3rd Pancyprian Robotics Competition, Cyprus Computer Society, Cyprus, June 29-30, 2019.
- Faculty Professional Development Certificate, University of Nicosia (UNIC), Pedagogical Support Unit, Cyprus, May 10, 2019.
- Best paper award received for the paper with title: *Structure inference for linked data sources using clustering*, during the 3rd International Workshop on Linked Data Management (LWDM 2013), University of Genoa, Italy.
- *Graduate Teaching Assistant Certificate*, Staff Training and Development Unit, University of Manchester, UK.
- Funded PhD studies by the Engineering and Physical Sciences Research Council (EPSRC), Research British Council, UK.
- *Peer Support Certificate* awarded for acting as a volunteered mentor for undergraduates in their 1st and 2nd years, School of Computer Science, University of Manchester, UK.
- *Kilburn Scholarship* awarded towards Undergraduate studies, due to excellent academic performance, School of Computer Science, University of Manchester, UK.
- Having succeeded in the Pan-Hellenic National Level Examinations (2004), I was offered a place at the Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece.

Professional Associations

- Member of the British Computer Society (BCS).
- Member of the Association for Computing Machinery (ACM).
- Member of the Cyprus Scientific and Technical Chamber (ETEK) – No. A136718.
- Member of the Institute for Systems and Technologies of Information, Control and Communication (INSTICC).

Other Skills

Research: Research project management and data analysis.

Programming: Java, Python, Javascript, C/C++, UNIX Shell Scripting.

Blockchain: Blockchain Developer on Solidity Smart Contracts, DApps on Ethereum.

Semantic RDFS, OWL,

Languages: Ontologies Engineering.

Triple Stores: Implementation using Jena triple store.

Web OWL, RDF,
Standards: SPARQL.

Markup: HTML, XML, LaTeX Typesetting system.

Database Couchbase, Oracle, MySQL,
Management PostgreSQL,

Systems: Advanced knowledge of SQL.

Tools: Eclipse, Spring Boot, IntelliJ, Git, Microservices, Docker-compose.

DevOps: Experience with deployments using the AWS development stack.

Time I have an extensive experience of juggling different tasks, and
Management: bringing these to a successful completion.

Interests & Activities

- Solving interesting problems
- Science and technology innovation
- Blockchain technology
- Travelling

** References Available Upon Request*