

Kyriakou Niki

POSTDOCTORAL RESEARCHER

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Education

PhD in Information Systems

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - 2018

Research Area: Information Systems, Enterprise Systems, Cloud Computing, Information and Communication Systems.

Thesis: Cloud Computing Adoption Factors and Business Value Determinants.

Advisor: Prof. Euripidis Loukis

MSc in Information & Communication Systems Management

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2012 - 2014

Grade: 8.82/10, Class Rank: 1st.

Thesis: Empirical Study of the Effect of Different Types of Enterprise Systems in Product, Service, and Process Innovation (Grade: 10/10).

Engineering Diploma

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2006 - 2012

Grade: 8.06/10, Class Rank: 3rd.

Thesis: Adapting and Enhancing Enterprise Resource Planning Systems (ERP) using Internal Programming Language (Grade: 10/10).

Awards & Honors

- | | | |
|------|---|----------------------|
| 2018 | Technical Chamber of Greece , Award of Exceptional Academic Standing throughout my studies. | Athens, Greece |
| | Best Paper Nominee • 49th HICSS , Kyriakou, N., Loukis, E. & Arvanitis, S. (2016, January). Enterprise Systems and Innovation—An Empirical Investigation. In 2016 49th Hawaii International Conference on System Sciences (HICSS) (pp. 4686-4696). | Koloa, HI, USA |
| 2016 | | |
| 2014 | Anatolia Business School Contest , Made it on finalists of the innovation contest with our “EVE – Easy Vacation for Everyone” business proposal. | Thessaloniki, Greece |
| 2013 | ENNOVATION2013 Contest , Made it to the finalist of the innovation contest with our “CoinApp” business proposal. | Athens, Greece |

Research Interests

- Information Systems
- Enterprise Resource Planning Systems
- Cloud Computing
- Information Systems Management and Strategy

Key Skills

Languages

Greek • English

Expertise

Python • IBM SPSS Statistics • Rapid Miner • Microsoft Dynamics NAV • Wordpress / Joomla • Lindo • DPL

Teaching Experience

Instructor • Education and Lifelong Center

Greece

EDUCATION AND LIFELONG CENTER • UNIVERSITY OF THE AEGEAN

2021 - 2022

- Digital Office - Digital Skills Enhancement • 9 months educational program

Teaching Assistant • Postgraduate Program • MSc in Digital Innovation and Startup Entrepreneurship

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2018 - now

- Information Systems for Enterprise Resource Planning • Winter Semester 2018 - now

Instructor • Undergraduate Program

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - now

- Business Operations and Information Systems • Winter Semester 2014 - 2021
- Decision Support Systems – Business Analytics • Spring Semester 2014 - 2021

Teaching Assistant • Undergraduate Program

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - now

- Information Systems Strategy and Investments • Winter Semester 2014 - 2021

Instructor • Postgraduate Program • MSc in Digital Innovation and Startup Entrepreneurship

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2017 - 2018

- Enterprise Resource Planning (ERP) Systems • Winter Semester 2017 - 2018

Teaching Assistant • Postgraduate Program • MSc in Information & Communication Systems

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - 2019

- Information Systems • Winter Semester 2014 - 2019

Teaching Assistant • Postgraduate Program • MSc in Technologies and Management of Information and Communication Systems

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - 2017

- Enterprise Resource Planning (ERP) Systems • Winter Semester 2014 – 2017
- Research Methods and Current Research Topics • Winter Semester 2014 – 2017

Instructor • Undergraduate Program

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - 2016

- Software Engineering • Winter Semester 2014 - 2016

Instructor • Undergraduate Program

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - 2015

- Introduction in the Programming Language • Winter Semester 2014 - 2015

Invited Talks

- | | | |
|------|--|---------------|
| 2018 | IEEE Student Branch • University of the Aegean , Introduction in SPSS. | Samos, Greece |
| 2018 | Seminar in Government and Development in Local Government in Cooperation with Society Institutions , Case studies (Public and Private Partnerships) | Samos, Greece |
| 2017 | IEEE Student Branch • University of the Aegean , Introduction in SPSS. | Samos, Greece |
| 2016 | 4th International Summer School on Open and Collaborative Governance , Cloud Infrastructure for Enterprises and Governments | Samos, Greece |

Thesis Supervising & Committee

Undergraduate thesis supervising

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - now

- Business Cases for Sales Operations using the Pylon ERP • 2020
- Business Cases for Supplies Operations using the Pylon ERP • 2020
- Business Cases for Production Operations using the Pylon ERP • 2020
- Large data centers in Greece and Cyprus: Infrastructures and services analysis • 2017
- Using cloud storage in Local Government • 2017
- Business intelligence – Business analytics: Adoption factors by Greek firms • 2016
- The effect of Technological and Organizational factors on the absorptive capacity of Greek firms • 2016
- Adoption factors and impact on business performance and innovation of Greek firms • 2016
- Supporting “Samiaki Gi” startup • 2014
- Information management system developing for student’s essays in partnership with external bodies • 2014

Graduate thesis supervising

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2016 - now

- Factors that affect the adoption of Enterprise Resource Planning (ERP) and Customer Relationships Management (CRM) systems by Greek firms • MSc in Technologies and Management of Information & Communication Systems • 2019
- Educational seminars on the use of ERP systems to support business operations – Comparison between Singular Logic ERP and Microsoft Dynamics NAV • MSc in Information & Communication Systems • 2017
- Research of the effect of various forms of business Information Systems and Social Networks in operational flexibility of Greek enterprises • MSc in Technologies and Management of Information & Communication Systems • 2016

Member of graduate thesis supervising committee

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2020 - now

- Survey of Attacks Against the IEEE 802.11 Standard Using IEEE 802.1X EAP • MSc in Information & Communication Systems Security • 2020
- Literature review and study of international organizational planning practices in local government • MSc in Electronic Government • 2020

Member of undergraduate thesis supervising committee

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2020 - now

- Development of a cloud-based Business Intelligence/ Analytics System using data from ERP and CRM systems • 2020
- Electronic management of sales and purchases – Comparative analysis of Microsoft Dynamics Navision and Microsoft Dynamics 365 • 2020
- Production planning and monitoring using an open source ERP system • 2020
- Evolution of traditional and digital investment of Greek crisis – Determinants and impact of the use of digital technologies • 2020

Research Experience

Consultant

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2019 - now

Involved in research related to “Simplifying and prototyping local municipality functions – Organizational and operational prototypes – Necessary Information Systems Specifications”

PostDoctoral Researcher

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2018 - now

- Data collection, aggregation, and sanitization.
- Data analysis using statistical modeling to infer causal relationships in linear correlations of multivariable hypotheses.
- Model evaluation and selection to demonstrate Information Systems added value.
- Reason about factors that affect Information Systems adoption in the industrial and traditional or electronic governance environments.

Research Assistant

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2016 - 2017

Involved in research relating to the “EU-Community” project, with researchers from Intrisoft International S.A., Foundation Euractiv Politech, Euractiv.com PLC, Athens Technology Center, i-Europa SRP, Fraunhofer, Fundacio per a la Universitat Oberta de Catalunya.

Research Assistant

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. OF INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2014 - 2015

Involved in research relating to the “NOMAD – Policy Formulation & Validation through Non-Moderated Crowd-Sourcing” project, with researchers from Google Ireland Limited, Athens Technology Center, National Center for Scientific Research “Demokritos”, Critical Publics Ltd, Fraunhofer Institute for Computer Graphics Research, Qwentel Kantar S.A.-N.V., Austria Parliament Administration, Hellenic Parliament.

Work Experience

Administrative and Financial Assistant

Samos, Greece

EDUCATION AND LIFELONG CENTER • UNIVERSITY OF THE AEGEAN

2020 - now

- Administrative and financial assistant for the Educational Programs in Technology and Development (E.P.T.A. - <http://epta.aegean.gr>)
- Administrative and financial assistant for the Educational Program “Digital Transformation: Services and Technologies” (<https://elearn-aegean.gr/product/digital-transformation-services-and-technologies/>)

Consultant

Samos, Greece

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

2020 - 2021

Organizational, technical and scientific support of the Masters Program of Study of the Department of Information and Communication Systems Engineering.

- Statistical analysis and modeling of research data for the registrar.
- Statistical analysis and modeling of research data for remote learning and virtual classes.
- Administration and support for the BigBlueButton (BBB) synchronous education platform.
- Administration and support for the eClass education system.
- Design of the methods and systems for remote exams.
- Administration and support for the registration system of the Masters Programs (Nautilus).

Web Developer

FREELANCER

Samos, Greece

2014 - now

- Mediterranean Conference of Information Systems 2015 – <https://www.mcis2015.eu/>.
- 9th Conference in Actuarial Science & Finance on Samos – <https://samosweb.aegean.gr/actuar/project/samos2016/>
- Samiaki Gi Startup – <http://www.samiakigi.com.gr/>

Consultant

HELLENIC STATISTICAL AUTHORITY

Samos, Greece

2011 - 2012

Completed surveys carried out by the Greek Statistical Authority on:

- Annual survey of business structure in the tourism sector (Reference year 2010).
- Research structure and distribution of remuneration in business (Reference year 2010).
- Survey of road freight (Reference year 2010).

Intern

UNIVERSITY OF THE AEGEAN, DEPT. INFORMATION & COMMUNICATION SYSTEMS ENGINEERING

Samos, Greece

2011

IT support for the School of Science of the University of the Aegean during the Undergraduate practice course. Developed the homepage of the School of Science and the homepage for NOC for the School of Science for the University of the Aegean, hosted at:

- <http://www.samos.aegean.gr/samos/>
- <http://www.samos.aegean.gr/noc/>

Intern

IMC AEGEAN S.A. INNOVATION SERVICES

Samos, Greece

2009

Responsible for the development of a website for the Regional Unit of Samos, in order to promote the island, hosted at <http://samos.gr/>.

Seminars

2019	Machine Learning A-Z: Hands-On Python & R in Data Science , SuperDataScience Team, Udemy	Udemy
2018	Python A-Z: Python for Data Science with Real Experiences! , SuperDataScience Team, Udemy	Udemy
2018	Python for Data Science and Machine Learning Bootcamp , Udemy	Udemy
2014	Web Geographic Information Systems , University of the Aegean	Samos, Greece
2013	Marketing and Sales Techniques for the Development and Promotion of Local Products and Services , University of the Aegean	Samos, Greece
2013	Entrepreneurship on the Internet: Promotion of Local Products in New Markets , University of the Aegean	Samos, Greece
2012	Education and Support to Local Communities the “Financial Systems and Economic Crisis” , University of the Aegean	Samos, Greece
2011	Electronic Business & e-Government: Fields of Entrepreneurship for Information Systems , University of the Aegean	Samos, Greece

Summer Schools

2013	IPICS2013 – Intensive Programme on Information & Communicatio Security , Certificate of attendance, University of the Aegean	Samos, Greece
2013	1st International Summer School on Open & Collaborative Governance , Certificate of attendance, University of the Aegean	Samos, Greece
2013	Samos Summit 2013 on Digital Innovation for Government, Business and Society , Certificate of attendance, University of the Aegean	Samos, Greece
2012	Algorithmic Game Theory , Certificate of attendance, University of the Aegean	Samos, Greece
2012	Samos Summit 2012 on Open Data and Interoperability for Governance, Industry and Society , Certificate of attendance, University of the Aegean	Samos, Greece
2012	HAISS-11 2nd Artificial Intelligence Summer School , Certificate of attendance, University of Patras	Samos, Greece

Volunteer & Leadership Experience

2016	Organizing Committee • Samos Summit 2016 , Member of the organizing committee of Samos Summit 2016 on ICT-enabled Governance: “Smart Cities – Smart Governance – Smart Entrepreneurship”.	<i>Samos, Greece</i>
2016	Organizing Committee • 4th International Summer School , Member of the organizing committee of the 4th International Summer School on Open and Collaborative Governance.	<i>Samos, Greece</i>
2016	Organizing Committee • e-Commerce and Internet Transactions: Benefits, Risks, and Protection Methods , Head of the organizing committee of the “e-Commerce and Internet Transactions: Benefits, Risks, and Protection Methods” seminar.	<i>Samos, Greece</i>
2015	Organizing Committee • 9th Mediterranean Conference on Information Systems , Member of the organizing committee of the 9th Mediterranean Conference on Information Systems.	<i>Samos, Greece</i>
2015	Organizing Committee • Samos Summit 2015 , Member of the organizing committee of Samos Summit 2015 on ICT-enabled Governance: “Beyond Government 2.0”.	<i>Samos, Greece</i>
2014	Organizing Committee • Samos Summit 2014 , Member of the organizing committee of Samos Summit 2014 on ICT-enabled Governance	<i>Samos, Greece</i>

Program Committee / Reviewer

Program Committee

- 54th Hawaii International Conference on System Sciences (HICSS) 2020 – Hawaii *2019 - now*
- ICEGOV 2020 – Athens, Greece
- 13th IADIS – International Conference on Information Systems (IS 2020) – Sofia, Bulgaria

Reviewer

- 28th European Conference on Information Systems (ECIS) (2020) *2015 - now*
- 27th European Conference on Information Systems (ECIS) (2019)
- 25th Americas Conference on Information Systems (AMCIS) (2019)
- 13th Mediterranean Conference on Information Systems (MCIS) (2019)
- 12th Mediterranean Conference on Information Systems (MCIS) (2019)
- 16th European Mediterranean & Middle Eastern Conference on Information Systems (2019)
- 11th Mediterranean Conference on Information Systems (MCIS) (2018)
- 23rd European Conference on Information Systems (ECIS) (2015)
- 21th Americas Conference on Information Systems (AMCIS) (2015)

Publications

Journals

- [J5] Loukis, E., Maragoudakis, M. and **Kyriakou, N.** (2020). Artificial Intelligence based Public Data Analytics for Economic Crisis Policy Making. Transforming Government: People, Process and Policy, Vol. ahead-of-print, No. ahead-of-print.
- [J4] **Kyriakou, N.** and Loukis, E. (2019). Do Strategy, Processes, Personnel and Technology Affect Firm's Propensity to Adopt Cloud Computing? – An Empirical Investigation. Journal of Enterprise Information Management, 32(3), pp. 517-534.
- [J3] Loukis, E., **Kyriakou, N.**, Pazalos, K. and Popa, S. (2017). Inter-organizational Innovation and Cloud Computing. Electronic Commerce Research, 17(3), pp.379-401.
- [J2] Arvanitis, S., **Kyriakou, N.** and Loukis, E. (2017). Why do Firms Adopt Cloud Computing? A Comparative Analysis based on South and North Europe firm data. Telematics and Informatics, 34(7), pp. 1322-1332.
- [J1] Loukis, E., Arvanitis, S. and **Kyriakou, N.** (2016). An Empirical Investigation of the Effects of Firm Characteristics on the Propensity to Adopt Cloud Computing. Information Systems and e-Business Management, 15(4), pp. 963-988.

Conferences

- [C16] Loukis, E., **Kyriakou, N.** and Maragoudakis, M. (2020). Using Government Data and Machine Learning for Predicting Firms' Vulnerability to Economic Crisis. EGOV-CeDEM-ePart 2020, Sweden.
- [C15] **Kyriakou, N.**, Loukis, E. and Dimitropoulou, P. (2020). Factors Affecting Cloud Storage Adoption by Greek Municipalities. ICEGOV2020, Athens, Greece.
- [C14] **Kyriakou, N.** and Loukis, E. (2019). ICT Resources & Capabilities Economic Crisis and CRM Adoption. 13th Mediterranean Conference on Information Systems, September 2019, University of Naples "Parthenope"
- [C13] Loukis, E., Maragoudakis, M. and **Kyriakou, N.** (2019). Economic Crisis Policy Based on Artificial Intelligence. EGOV- CeDEM-ePart 2019, September 2019, San Benedetto Del Tronto, Italy.
- [C12] Loukis, E. and **Kyriakou, N.** (2018). Contractual and Relational Governance, ICT Skills and Organization Adaptations, and Cloud Computing Benefits, Proceedings of Hawaii International Conference on System Sciences (HICSS), January 2018, Hawaii, Big Island.
- [C11] **Kyriakou, N.** and Loukis, E. (2017). Hard and Soft ICT Capital and Cloud Computing Benefits, 11th Mediterranean Conference on Information Systems (MCIS 2017), September 2017, Genova, Italy, AIS.
- [C10] **Kyriakou, N.** and Loukis, E. (2017). Cloud Computing Business Value and Human Determinants – An Empirical Investigation, 21st Panhellenic Conference on Informatics (PCI 2017), September 2017, Larisa, Greece.
- [C9] **Kyriakou, N.**, Maragoudakis, M., Loukis, E. and Themistocleous, M. (2017). Prediction of Propensity for Enterprise Cloud Computing Adoption. In Proceedings of the 50th Hawaii International Conference on System Sciences (HICSS), January 2017, Hawaii, Big Island.
- [C8] Loukis, E., Arvanitis, S., **Kyriakou, N.**, Famelou, A., Chatzianastasiadis, M. and Michailidou, F. (2016). ERP, e-Commerce, Social Media and Absorptive Capacity of Greek Firms: An Empirical Investigation. In Proceedings of 20th Panhellenic Conference on Informatics (PCI 2016), 10-12 November 2016, Patra, Greece.
- [C7] Loukis, E.N., Arvanitis, S., **Kyriakou, N.**, Famelou, A., Chatzianastasiadis, M.M. and Michailidou, F. (2016). The Effects of Enterprise Systems on the Absorptive Capacity of Greek Firms. In Proceedings of 10th Mediterranean Conference on Information Systems (MCIS), 4-6 September 2016, Paphos, Cyprus.
- [C6] **Kyriakou, N.**, Loukis, E. and Arvanitis, S. (2016). Enterprise Systems and Innovation-An Empirical Investigation. In Proceedings of the 49th Hawaii International Conference on System Sciences (HICSS), January 2016, Hawaii, Kauai Island.
- [C5] Loukis, E. and **Kyriakou, N.** (2015). Cloud Computing Adoption Motivation in the European North and South. In Proceedings of 9th Mediterranean Conference on Information Systems (MCIS 2015), October 2015, Samos, Greece.
- [C4] **Kyriakou, N.** and Loukis, E. (2015). Firm Characteristics and Propensity for Cloud Computing Adoption. In proceedings of the Twenty-first Americas Conference on Information Systems (AMCIS), August 2015, Puerto Rico, USA.
- [C3] Loukis, E., **Kyriakou, N.** and Pazalos, K. (2015). Operational and Innovation Collaboration and Cloud Computing. In European, Mediterranean & Middle Eastern Conference on Information Systems (EMCIS) 2015, 1-2 June 2015, Athens, Greece.
- [C2] Loukis, E. and **Kyriakou, N.** (2015). Organizational factors affecting propensity to adopt cloud computing. In Proceedings of the 48th Hawaii International Conference on System Sciences (HICSS), January 2015, Hawaii, Kauai Island.
- [C1] **Kyriakou, N.** and Loukis, E. (2014). The Effect of ICT Infrastructure Sophistication and Interconnection on the Propensity for Cloud Computing Adoption. In Proceedings of European, Mediterranean & Middle Eastern Conference on

Posters

- [P1] Loukis, E., Charalabidis, Y., **Kyriakou, N.** and Dimitropoulou, P. (2016). Η Χρήση Υπηρεσιών Cloud Storage στην Ελληνική Τοπική Αυτοδιοίκηση (The Cloud Storage Usage in the Greek Local Government). Panhellenic Conference of Technology, Economic & Administration, November 2016, Tripoli, Greece.