



NIKI KYRIAKOU

Postdoctoral Researcher

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EDUCATION

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- 2014 - 2018** PHD • University of the Aegean, Dep. of Information & Communication Systems Engineering
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
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- 2012 - 2014** MSc, Information Systems Management • University of the Aegean, Dep. of Information & Communication Systems Engineering
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).
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- 2006 - 2012** Engineering Diploma • University of the Aegean, Dep. of Information & Communication Systems Engineering
Grade: 8.06/10, Class Rank: 3rd
Thesis: Adapting and Enhancing Enterprise Resource Planning Systems (ERP) using Internal Programming Language (Grade: 10/10).

RESEARCH EXPERIENCE

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- 2019 - now** Consultant
University of the Aegean, Dept. Information & Communication Systems Engineering
Involved in research related to “Simplifying and prototyping local municipality functions – Organizational and operational prototypes – Necessary Information Systems Specifications”
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- 2018- now** Postdoctoral Researcher
University of the Aegean, Dept. Information & Communication Systems Engineering
 - 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.
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- 2016 - 2017** Research Assistant
University of the Aegean, Dept. Information & Communication Systems Engineering
Involved in research relating to the “EU-Community” project, with researchers from Intrasoft International S.A., Foundation Euractiv Politech, Euractiv.com PLC, Athens Technology Center, i-Europa SRP, Fraunhofer, Fundacio per a la Universitat Oberta de Catalunya.
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- 2014 - 2015** Research Assistant
University of the Aegean, Dept. Information & Communication Systems Engineering
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, Qwentas Kantor S.A.-N.V., Austria Parliament Administration, Hellenic Parliament.

AWARDS - HONORS

- Technical Chamber of Greece • 2018
Award of Exceptional Academic Standing throughout my studies.
- Best Paper Nominee • 49th HICSS • 2016
Enterprise Systems and Innovation – An Empirical Investigation, Kyriakou, N., Loukis, E. & Arvanitis, S.
- Anatolia Business School Contest • 2014
Made it on finalists of the innovation contest with our “EVE – Easy Vacation for Everyone” business proposal
- ENNOVATION2013 Contest • 2013
Made it to the finalist of the innovation contest with our “CoinApp” business proposal.

LANGUAGES

Greek, English.

EXPERTISE

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

WORK EXPERIENCE

2020 - now

University of the Aegean, Dept. Information and Communication Systems Engineering

Consultant

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)

2011 - now

Freelancer

Web Developer

- 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/>

2011 - 2012

Hellenic Statistical Authority

Consultant

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)

2011

University of the Aegean

Intern

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/>

2009

IMC Aegean S.A. Innovation Services

Intern

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

TEACHING EXPERIENCE

2014 - now

University of the Aegean, Dept. Information & Communication Systems Engineering

Instructor - Undergraduate

- Business Operations and Information Systems • Winter Semester 2014 - 2020
- Decision Support Systems – Business Analytics • Spring Semester 2014 - 2020
- Software Engineering • Winter Semester 2014 - 2016
- Introduction in the Programming Language • Winter Semester 2014 - 2015

2017 - 2018

University of the Aegean, Dept. Information & Communication Systems Engineering

Instructor - Postgraduate

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

2014 - now

University of the Aegean, Dept. Information & Communication Systems Engineering

Teaching Assistant - Postgraduate

- Enterprise Resource Planning (ERP) Systems • Winter Semester 2014 – 2020
- Information Systems • Winter Semester 2014 – 2020
- Research Methods and Current Research Topics • Winter Semester 2014 – 2017

2014 - now

University of the Aegean, Dept. Information & Communication Systems Engineering

Teaching Assistant - Undergraduate

- Information Systems Strategy and Investments • Winter Semester 2014 - 2020

INVITED TALKS

2018 University of the Aegean, Dept. Information & Communication Systems Engineering	IEEE Workshop Introduction in SPSS.
2018 University of the Aegean	Government and Development in Local Government in Cooperation with Society Institutions Case studies (Public and Private Partnerships) • 7 th of October
2017 University of the Aegean, Dept. Information & Communication Systems Engineering	IEEE Workshop Introduction in SPSS.
2016 University of the Aegean	4th International Summer School on Open and Collaborative Governance Cloud Infrastructure for Enterprises and Governments • 8 th of July

THESIS SUPERVISING

2019 - 2020 University of the Aegean, Dept. Information & Communication Systems Engineering	Thesis Supervising as a Postdoctoral Researcher • Undergraduate students <ul style="list-style-type: none">• 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
2018 - 2019 University of the Aegean, Dept. Information & Communication Systems Engineering	Thesis Supervising as a Postdoctoral Researcher • Graduate students <ul style="list-style-type: none">• Factors that affect the adoption of Enterprise Resource Planning (ERP) and Customer Relationships Management (CRM) systems by Greek firms • 2019
2016 - 2018 University of the Aegean, Dept. Information & Communication Systems Engineering	Thesis Supervising as a PhD Student • Graduate students <ul style="list-style-type: none">• Educational seminars on the use of ERP systems to support business operations – Comparison between Singular Logic ERP and Microsoft Dynamics NAV • 2017• Research of the effect of various forms of business Information Systems and Social Networks in operational flexibility of Greek enterprises • 2016
2014 - 2017 University of the Aegean, Dept. Information & Communication Systems Engineering	Thesis Supervising as a PhD Student • Undergraduate students <ul style="list-style-type: none">• 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

Thesis Supervising Committee

2020 - now University of the Aegean, Dept. Information & Communication Systems Engineering	Member of Thesis Supervising Committee • Graduate students <ul style="list-style-type: none">• Survey of Attacks Against the IEEE 802.11 Standard Using IEEE 802.1X EAP • 2020• Literature review and study of international organizational planning practices in local government • 2020
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Member of Thesis Supervising Committee • Undergraduate students

2020 - now

University of the Aegean, Dept. Information & Communication Systems Engineering

- 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

Programme Committee / Reviewer

2020 - now

Programme Committee

- 54th Hawaii International Conference on System Sciences (HICSS) 2020 – Hawaii

2019 - now

Programme Committee

- ICEGOV 2020 – Athens, Greece
- 13th IADIS – International Conference on Information Systems (IS 2020) – Sofia, Bulgaria

2015 - now

Programme Committee / Reviewer

- 28th European Conference on Information Systems (ECIS) (2020)
- 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)

Volunteer & Leadership Experience

2016

Samos, Pythagoreion, Greece

Organizing Committee • Samos Summit 2016

Member of the organizing committee of Samos Summit 2016 on ICT-enabled Governance: “Smart Cities – Smart Governance – Smart Entrepreneurship”.

2016

Samos, Pythagoreion, Greece

Organizing Committee • 4th International Summer School

Member of the organizing committee of the 4th International Summer School on Open and Collaborative Governance.

2016

Samos, Karlovassi, Greece

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.

2015

Samos, Karlovassi, Greece

Organizing Committee • 9th Mediterranean Conference on Information Systems

Member of the organizing committee of the 9th Mediterranean Conference on Information Systems.

2015

Samos, Pythagoreion, Greece

Organizing Committee • Samos Summit 2015

Member of the organizing committee of Samos Summit 2015 on ICT-enabled Governance: “Beyond Government 2.0”.

2014

Samos, Pythagoreion, Greece

Organizing Committee • Samos Summit 2014

Member of the organizing committee of Samos Summit 2014 on ICT-enabled Governance

Summer Schools

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

Seminars

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

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*

Publications

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.