

ANNA KARANIKA

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RESEARCH INTERESTS

Distributed Systems, Edge Computing, Internet of Things, Cloud Computing, Software Engineering

EDUCATION

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|---------------------|--|
| Aug 2020 – Present | University of Illinois at Urbana Champaign (UIUC)
Ph.D. in Computer Science
Advised by Professor Indranil Gupta |
| Oct 2019 – Jun 2020 | University of Thessaly (UTh)
M.Sc. in Computer Science
Advised by Professor Kostas Kolomvatsos |
| Sep 2014 – Jun 2019 | University of Thessaly (UTh)
Diploma (B.Eng. + M.Eng.) in Electrical and Computer Engineering
Advised by Professors Kostas Kolomvatsos and George Stamoulis |

PUBLICATIONS

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|-------------------|-----|---|
| Conference papers | C.4 | Anna Karanika , Ioannis Filippopoulos, Angelika Kokkinaki, Panagiotis Efstathiadis, Ioannis Tsilikas, Yiannis Kiouvrekis. “Extensive Use of RFID in Shipping.” In <i>EMCIS</i> , 2020. [doi] [pdf] |
| | C.3 | Anna Karanika , Panagiotis Oikonomou, Kostas Kolomvatsos, Christos Anagnostopoulos. “An Ensemble Interpretable Machine Learning Scheme for Securing Data Quality at the Edge.” In <i>CD-MAKE</i> , 2020. [doi] |
| | C.2 | Anna Karanika , Panagiotis Oikonomou, Kostas Kolomvatsos, Thanasis Loukopoulos. “A Demand-driven, Proactive Tasks Management Model at the Edge.” In <i>FUZZ-IEEE</i> , 2020. [doi] |
| | C.1 | Anna Karanika , Madalena Soula, Christos Anagnostopoulos, Kostas Kolomvatsos, George Stamoulis. “Optimized Analytics Query Allocation at the Edge of the Network.” In <i>IDCS</i> , 2019. [doi] |

Journal papers	J.2	Panagiotis Oikonomou, Anna Karanika , Christos Anagnostopoulos, Kostas Kolomvatsos. “On the Use of Intelligent Models towards Meeting the Challenges of the Edge Mesh.” In <i>CSUR</i> , ACM, 2021. [doi]
	J.1	Madalena Soula, Anna Karanika , Kostas Kolomvatsos, Christos Anagnostopoulos, George Stamoulis. “Intelligent Tasks Allocation at the Edge based on Machine Learning and Bio-Inspired Algorithms.” In <i>EVOS</i> , Springer, 2021. [doi]
Book chapters	BCh.1	Panagiotis Efstathiadis, Anna Karanika , Nestoras Chouliaras, Leandros Maglaras, Ioanna Kantzavelou. “Smart Cars and Over-the-Air Updates.” To appear in <i>CybET</i> , CRC Press, 2021. [book]

INDUSTRIAL EXPERIENCE

Jul 2017 – Aug 2017	APOSTOLAKIS Engineering PLC Programmer and SCADA Designer, Intern
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TEACHING EXPERIENCE

Fall 2019	Introduction to Programming (UTh)
Spring 2018	Electrical and Mechanical Engineering Design (UTh)

SKILLS

Expert	C, Python, Java
Advanced	Git, SQL, OpenMP, CUDA, scikit-learn
Intermediate	C++, Maven, R, MATLAB, Keras, \LaTeX , HTML, CSS
Familiar	Go, JavaScript, Scala, MPI, TensorFlow

LANGUAGES

Greek	Native
English	Fluent
French	Basic

Last updated July 2021