



# Christos Kotronis

**Date of birth:** 04/1992 | **Nationality:** Greek | **Gender:** Male | **Phone number:** (+30) 2109549417 (Work) | **Phone number:** (+30) 6934168802 (Mobile) | **Email address:** [kotronis@hua.gr](mailto:kotronis@hua.gr) | **Email address:** [chrishua92@gmail.com](mailto:chrishua92@gmail.com) | **LinkedIn:** [www.linkedin.com/in/christos-kotronis](http://www.linkedin.com/in/christos-kotronis) | **Viber:** +306934168802 |

**Address:** 9 Omirou Str., Tavros , Office 3.1, 17778, Athens, Greece (Work)

## ● EDUCATION AND TRAINING

11/2016 – 03/02/2022 Athens, Greece

**PHD IN INFORMATICS AND TELEMATICS** Department of Informatics and Telematics, Harokopio University of Athens

**Address** 9 Omirou Str., Tavros, Athens, Greece |

**Field of study** Software and applications development and analysis |

**Thesis** QoS-aware Model-Based Systems Design using Systems Modeling Language

09/2014 – 03/2016 Athens, Greece

**MSC IN INFORMATICS AND TELEMATICS** Department of Informatics and Telematics, Harokopio University of Athens

Specialization in: "Computational and Internet Technologies and Applications"

**Address** 9 Omirou Str., Tavros, Athens, Greece | **Field of study** Computer Science

09/2010 – 07/2014 Athens, Greece

**BSC. IN INFORMATICS AND TELEMATICS** Department of Informatics and Telematics, Harokopio University of Athens

**Address** 9 Omirou Str., Tavros, Athens, Greece

## ● LANGUAGE SKILLS

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2
<b>GERMAN</b>	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● ADDITIONAL INFORMATION

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### HONOURS AND AWARDS

04/08/2017

**H.F.R.I. Scholarship for Doctoral (PhD) Candidates – Hellenic Foundation for Research and Innovation (H.F.R.I. and G.S.R.I.)** 3-year Scholarship from Hellenic Foundation for Research and Innovation and General Secretariat for Research and Innovation (H.F.R.I. and G.S.R.I.) for Doctoral (PhD) Candidates in the context of the "1st Call for H.F.R.I. Scholarships to PhD Candidates", to complete the PhD thesis titled: "Systems of systems engineering: An integrated model-driven methodology for complex systems" (now "QoS-aware Model-Based Systems Design using Systems Modeling Language").

**Honours – Harokopio University of Athens** 2 Karabatsos' Scholarships from the Department of Informatics and Telematics, Harokopio University of Athens for excellent academic performance at the MSc programme (2014-2016).

### PUBLICATIONS IN CONFERENCES AND JOURNALS

#### Publications in Conferences

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1. Kotronis, Ch., Tsadimas, A., Kapos, G.-D., Dalakas, V., Nikolaidou, M., & Anagnostopoulos, D., (2016, October). Simulating sysml transportation models. In 2016 IEEE International Conference on Systems, Man, and Cybernetics (SMC) (pp. 001674-001679). IEEE.
2. Kotronis, Ch., Minou, G., Dimitrakopoulos, G., Nikolaidou, M., Anagnostopoulos, D., Amira, A., ... & Djelouat, H. (2017, September). Managing criticalities of e-health iot systems. In 2017 IEEE 17th International Conference on Ubiquitous Wireless Broadband (ICUWB) (pp.1-5). IEEE.
3. Kotronis, Ch., Politis, E., Routis, I., Nikolaidou, M., Dimitrakopoulos, G., & Anagnostopoulos, D. (2018). Remote Elderly Monitoring Systems on a Human-centric Perspective. In 2018 Mediterranean Conference on Information Systems (MCIS) (p. 7).
4. Kotronis, Ch., Tsadimas, A., Kapos, G. D., Nikolaidou, M., & Anagnostopoulos, D. (2018, April). Exploring LoS in railway transportation systems using SysML. In 2018 Annual IEEE International Systems Conference (SysCon) (pp. 1-8). IEEE.
5. Kotronis, Ch., Nikolaidou, M., Dimitrakopoulos, G., Anagnostopoulos, D., Amira, A., & Bensaali, F. (2018, June). A model-based approach for managing criticality requirements in e-health IoT systems. In 2018 13th annual conference on system of systems engineering (SoSE) (pp. 60-67). IEEE.
6. Bravos, G., Dimitrakopoulos, G., Anagnostopoulos, D., Nikolaidou, M., Kotronis, Ch., Politis, E., Amira, A., Bensaali, F. Embedded Intelligence in IoT - Based Mixed-Criticality Connected Healthcare Applications: Requirements, Research Achievements and Challenges. Preprints 2018, 2018100216.
7. Kotronis, Ch., Routis, I., Tsadimas, A., Nikolaidou, M., & Anagnostopoulos, D. (2019, July). A model-based approach for the design of cyber-physical human systems emphasizing human concerns. In 2019 IEEE International Congress on Internet of Things (ICIOT) (pp. 100-107). IEEE.
8. Boukhenoufa, I., Amira, A., Bensaali, F., Anagnostopoulos, D., Nikolaidou, M., Kotronis, Ch., ... & Dimitrakopoulos, G. (2019, August). An IoT-Based Framework for Elderly Remote Monitoring. In 2019 22nd Euromicro Conference on Digital System Design (DSD) (pp. 442-448). IEEE.
9. Kotronis, Ch., Tsadimas, A., Nikolaidou, M., Anagnostopoulos, D., Dimitrakopoulos, G., Amira, A., & Bensaali, F. (2019, September). Leveraging Quality of Service and Cost in Cyber-Physical Systems Design. In International Conference on the Economics of Grids, Clouds, Systems, and Services (pp. 208-217). Springer, Cham.

#### Publications in Journals

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1. Al Disi, M., Djelouat, H., Kotronis, Ch., Politis, E., Amira, A., Bensaali, F., ... & Alinier, G. (2018). ECG signal reconstruction on the IoT-gateway and efficacy of compressive sensing under real-time constraints. *IEEE Access*, 6, 69130-69140.
2. Djelouat, H., Al Disi, M., Boukhenoufa, I., Amira, A., Bensaali, F., Kotronis, Ch., ... & Dimitrakopoulos, G. (2020). Real-time ECG monitoring using compressive sensing on a heterogeneous multicore edge-device. *Microprocessors and Microsystems*, 72, 102839.
3. Kapos, G. D., Tsadimas, A., Kotronis, Ch., Dalakas, V., Nikolaidou, M., & Anagnostopoulos, D. (2019). A Declarative Approach for Transforming SysML Models to Executable Simulation Models. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 99.
4. Kotronis, Ch., Nikolaidou, M., Kapos, G. D., Tsadimas, A., Dalakas, V., & Anagnostopoulos, D. (2020). Employing SysML to model and explore levels-of-service: The case of passenger comfort in railway transportation systems. *Systems Engineering*, 23(1), 82-99.

5. Kotronis, Ch., Routis, I., Politi, E., Nikolaidou, M., Dimitrakopoulos, G., Anagnostopoulos, D., ... & Djelouat, H. (2019). Evaluating Internet of Medical Things (IoMT)-Based Systems from a Human-Centric Perspective. *Internet of Things*, 8, 100125.
6. Kotronis, Ch., Routis, I., Politi, E., Djelouat, H., Nikolaidou, M., Dimitrakopoulos, G., Anagnostopoulos, D., Amira, A., & Bensaali, F. (2020). Incorporating patient concerns into design requirements for iomt systems: the fall detection case study. *Health Informatics Journal: SAGE Journals*.
7. Kotronis, Ch., Tsadimas, A., Nikolaidou, M., Michalakelis, Ch., & Anagnostopoulos, D. (2020). Extending SysML to integrate cost analysis into model-based systems engineering. *IEEE Journal of Engineering Management*.
8. Kotronis, Ch., Routis, I., Tsadimas, A., Kapos, G. D., Dalakas, V., Nikolaidou, M., & Anagnostopoulos, D. (2020). Engaging Human Participants in CPHS Design: A Model-Based Approach. *ACM Transactions on Internet of Things Journal*.