Michalis Smyrlis, Ph.D.

✉ smyrlis@outlook.com   ⦿ Michalis Smyrlis   in Michalis Smyrlis
🌐 https://smyrlis.github.io/

Working Experience

Apr 2021 – Present	🔖	**Chief Software Engineer** Sphynx Technology Solutions AG
Oct 2023 – Present	🔖	**Scientific Collaborator** European University Cyprus
2019 – Apr 2021	🔖	**Senior Software Engineer** Sphynx Technology Solutions AG
2018 – 2019	🔖	**Consultant** Empelor GMBH
2016 – 2018	🔖	**Software Engineer** Empelor GMBH
May 2016 – Oct 2016	🔖	**Graduate Software Engineer** University General Hospital Of Heraklion "PAGNI"

Teaching and Research Experience

Oct 2023 – Jan 2024	🔖	**Scientific Collaborator** European University Cyprus
2018 – 2019	🔖	**Graduate Teaching Assistant** City, University Of London
Nov 2016 – 2019	🔖	**Research Assistant** City, University Of London

Education

2017 – 2023	🔖	**Ph.D. in Cybersecurity**, School of Mathematics, Computer Science and Engineering, City, University of London. Thesis title: *A hybrid approach to cyber risk evaluation*
2012 – 2016	🔖	**BSc**, Computer Science Department, University Of Crete Thesis title: *Evaluation and extension of question-answering systems over medical texts*

Research Publications

Journal Articles

1. G. Bravos, A. J. Cabrera, C. Correa, *et al.*, "Cybersecurity for industrial internet of things: Architecture, models and lessons learned," *IEEE Access*, vol. 10, pp. 124 747–124 765, 2022.

2. M. Smyrlis, I. Somarakis, G. Spanoudakis, G. Hatzivasilis, and S. Ioannidis, "Cyra: A model-driven cyber range assurance platform," *Applied Sciences*, vol. 11, no. 11, p. 5165, 2021.

3. M. Smyrlis, G. Spanoudakis, and K. Fysarakis, "Teaching users new iot tricks: A model-driven cyber range for iot security training," *IEEE Internet Things (Iot) Mag*, pp. 1–10, 2021.

4. G. Hatzivasilis, S. Ioannidis, M. Smyrlis, *et al.*, "Modern aspects of cyber-security training and continuous adaptation of programmes to trainees," *Applied Sciences*, vol. 10, no. 16, p. 5702, 2020.

Conference Proceedings

1. G. Hatzivasilis, S. Ioannidis, M. Smyrlis, *et al.*, "The threat-arrest cyber range platform," in *2021 IEEE International Conference on Cyber Security and Resilience (CSR)*, IEEE, 2021, pp. 422–427.

2. M. Smyrlis, K. Fysarakis, G. Spanoudakis, and G. Hatzivasilis, "Cyber range training programme specification through cyber threat and training preparation models," in *International Workshop on Model-Driven Simulation and Training Environments for Cybersecurity*, Springer, 2020, pp. 22–37.

3   I. Somarakis, M. Smyrlis, K. Fysarakis, and G. Spanoudakis, "Model-driven cyber range training: A cyber security assurance perspective," in *International Workshop on Information and Operational Technology Security Systems*, Springer, 2019, pp. 172–184.

4   B. Ye, I. Basdekis, M. Smyrlis, G. Spanoudakis, and K. Koloutsou, "A big data repository and architecture for managing hearing loss related data," in *2018 IEEE EMBS International Conference on Biomedical & Health Informatics (BHI)*, IEEE, 2018, pp. 174–177.

Skills

Languages	Greek (Native), English (C2), French (B1)
Technical Skills	Java, Python, C/C++, Software Architecture, Design Patters, Database Management, Version Control, Code Review and Quality Assurance, Debugging and Troubleshooting, API Design, CI/CD, Containerisation, Technical Leadership, Adaptability.
Misc.	Project Management, Team Lead, Academic Research, Teaching, Training, Consultation.

Other Research Activities

EU Projects	HEIR, ENERMAN, SENTINEL, ASCAPE, TOREADOR, EVOTION, CyberSURE, CyberSANE, SPIDER, RESIST, C4IIoT, THREAT-ARREST, SMART-BEAR, CYRENE
International Conferences	Chaired/Co-chaired international conferences, Technical Program Committee (chair/member) for international conferences.
Academic Journals	Topic Editor, Special Issue Guest Editor, Reviewer in academic journals

References

Available on Request