

Foivos Ioannis Michelinakis

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Recent Experience

Simula Metropolitan Center for Digital Engineering (SimulaMet) <i>Research Scientist</i> Research on the reliability of mobile networks in Norway. / Simula's P.I. of the RAKSHA project working on risk assessment, attack simulation, evaluation, and demonstration of defensive solutions for NGCC.	Oslo, Norway 2/2012–Present
Simula Metropolitan <i>Postdoctoral Fellow</i> 5G / NB-IoT experimentation, analytics and KPIs verification.	Oslo, Norway 10/2018–12/2021
IMDEA Networks Institute <i>Research assistant</i>	Madrid, Spain 10/2012–09/2017
Korea Advanced Institute of Science and Technology - KAIST <i>Visiting PhD student</i>	Daejeon, Republic of Korea 1/2017–7/2017
Spotify <i>PhD Intern</i> Development of a passive mobile bandwidth classification tool.	Stockholm, Sweden 9/2014–11/2014

Education

University Carlos III of Madrid / IMDEA Networks Institute <i>PhD student,</i> Research in the areas of "Mobile Networks", "Network Optimization" and "Content Distribution Networks".	Madrid 10/2013–09/2018
University Carlos III of Madrid <i>Master in Telematics engineering, 9.48/10 (top of class)</i>	Madrid 10/2012–10/2013
National Technical University of Athens (NTUA) <i>5-year Diploma in Electrical and Computer Engineering, 8.40/10 (top 10%)</i> Major: Telecommunications and Computer Networks, Minor: Electric Power Systems	Athens 9/2005–2/2011

Select Publications

- [1] Nicola Bui, Foivos Michelinakis, and Joerg Widmer. Fine-grained lte radio link estimation for mobile phones. *Pervasive and Mobile Computing*, 2018.
- [2] F. Michelinakis et al. Dissecting Energy Consumption of NB-IoT Devices Empirically. *IEEE Internet of Things Journal*, 2020.
- [3] F. Michelinakis, J. S. Pujol-Roig, S. Malacarne, M. Xie, T. Dreibholz, S. Majumdar, W. Yi Poe, G. Patounas, C. Guerrero, A. M. Elmokashfi, and V. Theodorou. AI Anomaly Detection for Cloudified Mobile Core Architectures. *Transactions on Network and Service Management*, 2022.
- [4] Foivos Michelinakis, Nicola Bui, Guido Fioravanti, Joerg Widmer, Fabian Kaup, and David Hausheer. Lightweight capacity measurements for mobile networks. *Computer Communications*, 84:73–83, 2016.
- [5] Foivos Michelinakis, Hossein Doroud, Abbas Razaghpanah, Andra Lutu, Narseo Vallina-Rodriguez, Phillipa Gill, and Joerg Widmer. The cloud that runs the mobile internet: A measurement study of mobile cloud services. In *IEEE INFOCOM*, Honolulu, HI, USA, April 2018.

Computer skills

Scripting: Python, Bash, Matlab
Operating systems: Linux

Languages: C, C++ (NS3), SQL
Markup: \LaTeX , HTML, CSS