

Matteo Pozza

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Department of Computer Science, D224

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PROFILE

- Deep knowledge of Long-Term Evolution (LTE) mobile core architecture
- Technological proficiency with Software-Defined Networking (SDN) and Network Function Virtualization (NFV)
- Competence in study and analysis of 3rd Generation Partnership Project (3GPP) documentation
- Technical competence in management of Nokia Flexi Zone Indoor Pico BTS devices
- Experience with OpenAir Core Network and flashing SIM cards

EDUCATION

University of Helsinki, Finland. 2016 - Present

Doctorate of Philosophy in Computer Science.

Advisor: Sasu Tarkoma.

Expected graduation date: June 2020

University of Padua, Italy. 2014 - 2016

Master's Degree in Computer Science (*110 cum laude*).

Advisors: Claudio Enrico Palazzi and Sasu Tarkoma.

Thesis title: [Solving Signaling Storms in LTE Networks: a Software-Defined Cellular Architecture](#).

University of Padua, Italy. 2011 - 2014

Bachelor's Degree in Computer Science (*110 cum laude*).

Advisor: Claudio Enrico Palazzi.

Thesis title: [BlueFall, a swarming protocols testbed: project, use and results](#).

ACADEMIC FELLOWSHIPS

- [Nokia Center for Advanced Research \(NCAR\)](#) 2016 - Present
Ph.D. researcher
- [TAKE-5 Project](#) 2016 - Present
Coordinator of the 5GTNF testbed in Kumpula campus

PUBLICATIONS

Conference Publications

1. **Matteo Pozza**, Akanksha Patel, Ashwin Rao, Hannu Flinck, and Sasu Tarkoma. Composing 5G Slices using VNF Co-location. *24th Annual International Conference on Mobile Computing and Networking, Mobicom 2018*, under submission.
2. **Matteo Pozza**, Ashwin Rao, Armir Bujari, Hannu Flinck, Claudio E. Palazzi, and Sasu Tarkoma. A refactoring approach for optimizing mobile networks. In *IEEE International Conference on Communications, ICC 2017, Paris, France, May 21-25, 2017*, pages 1-6, 2017.

3. **Matteo Pozza**, Claudio Enrico Palazzi, and Armir Bujari. Bluefall: Testing swarming protocols through mobile phones. In *International Conference on Computing, Networking and Communications, ICNC 2015, Garden Grove, CA, USA, February 16-19, 2015*, pages 1087–1091, 2015.

Journal Publications

1. **Matteo Pozza**, Ashwin Rao, Hannu Flinck, and Sasu Tarkoma. Network-In-a-Box: A Survey about On-Demand Flexible Networks. *IEEE Communications Surveys and Tutorials*, article in press.
2. Armir Bujari, Luigi De Giovanni, Dario Maggiorini, Claudio E. Palazzi, **Matteo Pozza**, Christian Quadri, and Laura Anna Ripamonti. Opportunistic communication for delay tolerant data delivery in milan. *JAISE*, 9(4):521–533, 2017.

Peer-reviewed Workshops

1. **Matteo Pozza**, Claudio Enrico Palazzi, and Armir Bujari. Poster: Mobile data offloading testbed. In *Proceedings of the 21st Annual International Conference on Mobile Computing and Networking, MobiCom 2015, Paris, France, September 7-11, 2015*, pages 212–214, 2015.
2. **Matteo Pozza**, Claudio Enrico Palazzi, and Armir Bujari. Mobile data offloading: An experimental evaluation. In *Proceedings of the 10th International Workshop on Mobility in the Evolving Internet Architecture, MobiArch 2015, Paris, France, September 7, 2015*, pages 2–7, 2015.

Other

1. **Matteo Pozza**, Heikki Lindholm, Hannu Flinck, Claudio E. Palazzi, Ashwin Rao, and Sasu Tarkoma. Solving signaling storm through long-term evolution refactoring. *TinyToCS*, 4, 2016.

SERVICE ACTIVITIES

- Member of the Shadow Program Committee 2017
The 17th Internet Measurement Conference (IMC)
Association for Computing Machinery (ACM)

GRANTS AND AWARDS

- Best Undergraduate Poster Award 2015
The 21st Annual International Conference on Mobile Computing and Networking (MobiCom)
Association for Computing Machinery (ACM)
- Travel Grant 2016
The 12th International Conference on emerging Networking EXperiments and Technologies (CoNEXT)
Association for Computing Machinery (ACM)

REFERENCES

- Sasu Tarkoma
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Department of Computer Science, University of Helsinki. Finland
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- Claudio Enrico Palazzi
Associate Professor,
Department of Mathematics, University of Padua. Italy.
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