Tianzhu Zhang

Doctor of Philosophy

🛈 18 August, 1989

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About me

I am from Benxi, a small city in northeast China. In 2014, I was admitted to the PhD program of Politecnico di Torino and started my career as a researcher since then. I have been working with Prof. Paolo Giaccone, who was my PhD supervisor and career mentor. From November 2017, I have been working as a PostDoc researcher at Telecom ParisTech and LINCs Lab, under the support of Cisco Systems. Before that, I also did an internship at Nokia Bell Labs. My main research interest include Software Defined Networking and Network Function Virtualization.

Skills

Research

Development

Communication

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

2018	Doctor of Philosophy	Department of Electronics and Telecommunications
	Politecnico di Torino & Telecom Italia, Turin, Italy	
2014	Master of Science	Department of Electronics and Telecommunications
	Politecnico di Torino, Turin, Italy	
2012	Bachelor of Science	Department of Computer Science and Technology
	Huazhong University of Science and Technology, Wuhan, China	

Experience

2020-now	Researcher	Manager: Fabio Pianese
	Nokia Bell Labs, Paris, France	
2017-2019	PostDoc Researcher	Collaborators: Prof. Dario Rossi, Prof. Luigi Iannone
	Telecom ParisTech & Cisco Systems & LINCS Lab, Paris, France	
2017	Intern	Collaborators: Dr. Massimo Gallo, Dr. Fabio Pianese
	Nokia Bell Labs, Paris, France	
2014-2015	PhD Engineer	Collaborators: Dr. Pino Castrogiovanni, Dr. Claudio Borean
	Telecom Italia, Turin, Italy	

Publications

Tianzhu Zhang, Leonardo Linguaglossa, Massimo Gallo, Paolo Giaccone, Luigi Iannone, James Roberts. *"Comparing the performance of state-of-the-art software switches for NFV"*, ACM CoNEXT 2019.

Tianzhu Zhang, Leonardo Linguaglossa, Massimo Gallo, Paolo Giaccone, Dario Rossi, *"FloWatcher-DPDK: lightweight line-rate flow-level monitoring in software"*, IEEE Transactions on Network and Service Management (2019).

Tianzhu Zhang, Leonardo Linguaglossa, Massimo Gallo, Paolo Giaccone, Dario Rossi, *"FlowMon-DPDK: Parsimonious per-flow software monitoring at line rate"*, IEEE/IFIP TMA, 2018.

Tianzhu Zhang, Carla Fabiana Chiasserini, Paolo Giaccone, *"TAME: An efficient task allocation algorithm for integrated mobile gaming"*, IEEE Systems Journal (2018).

Tianzhu Zhang, Andrea Bianco, Paolo Giaccone, and Aliakbar Payandehdari Nezhad. *"Dealing with misbehaving controllers in SDN networks."* In GLOBECOM 2017-2017 IEEE Global Communications Conference, pp. 1-6. IEEE, 2017.

Tianzhu Zhang, Andrea Bianco, Paolo Giaccone, Seyedaidin Kelki, Nicolas Mejia Campos, and Stefano Traverso. *"On-the-fly traffic classification and control with a stateful SDN approach."* In 2017 IEEE International Conference on Communications (ICC), pp. 1-6. IEEE, 2017.

Tianzhu Zhang, Paolo Giaccone, Andrea Bianco, Samuele De Domenico, *"The role of the inter-controller consensus in the placement of distributed SDN controllers"*, Computer Communications (2017).

Tianzhu Zhang, Andrea Bianco, Paolo Giaccone, *"The role of inter-controller traffic in SDN controllers placement"*, IEEE NFV-SDN, 2016.

Prizes and Awards

2018	Exemplary Reviewer Award	IEEE Communications Letters
2014	First Class Scholarship	Compagna di San Paolo