



# Tianzhu Zhang

Doctor of Philosophy



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## About me

I was born in Benxi, a small town 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 LINC's 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<br>Politecnico di Torino & Telecom Italia, Turin, Italy     |
| 2014 | Master of Science    | Department of Electronics and Telecommunications<br>Politecnico di Torino, Turin, Italy                      |
| 2012 | Bachelor of Science  | Department of Computer Science and Technology<br>Huazhong University of Science and Technology, Wuhan, China |

## Experience

- |           |                    |                                                                                                                        |
|-----------|--------------------|------------------------------------------------------------------------------------------------------------------------|
| 2017-now  | PostDoc Researcher | Collaborators: Prof. Dario Rossi, Prof. Luigi Iannone<br>Telecom ParisTech & Cisco Systems & LINC's Lab, Paris, France |
| 2017      | Intern             | Collaborators: Dr. Massimo Gallo, Dr. Fabio Pianese<br>Nokia Bell Labs, Paris, France                                  |
| 2014-2015 | PhD Engineer       | Collaborators: Dr. Pino Castrogiovanni, Dr. Claudio Borean<br>Telecom Italia, Turin, Italy                             |

## Community Activities

- |           |                    |                                                                 |
|-----------|--------------------|-----------------------------------------------------------------|
| 2020      | TPC Member         | IEEE Conference on Network Softwarization                       |
| 2020      | TPC Member         | 23rd Conference on Innovation in Clouds, Internet and Networks  |
| 2019      | Volunteer          | IEEE International Conference on Computer Communications        |
| 2018      | Shadow PC Reviewer | ACM Internet Measurement Conference                             |
| 2016-2019 | Reviewer           | IEEE Communications Letters, Computer Communications (Elsevier) |

## Main 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, 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.

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