Meng Wang

Ph.D Student in Computer Science

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Education

12/19–now **CSC Joint PhD Student**, *Univerisity of Minnesota - Twin Cities (UMN)*, Minneapolis, Minnesota.
Major: Computer Networking, Advisor: Zhi-Li Zhang

09/17–now **PhD Student**, *Beijing University of Posts and Telecommunications (BUPT)*, Beijing, China.
Major: Computer Networking, Advisor: Bo Cheng

09/16–06/17 **Master Student**, *Beijing University of Posts and Telecommunications (BUPT)*, Beijing, China.
Major: Computer Networking, Advisor: Bo Cheng

09/12–06/16 **Bachelor Degree**, *Beijing Jiaotong University (BJTU)*, Beijing, China.
Major: Computer Science

Skills

Language Proficient in Java, familiar with C and C++.

Platform Familiar with DPDK, Openstack, Kubernetes, Hadoop, and Spark

Project Experience

12/19–now **High performance NFV systems**.
NFV execution model
NFV profiling architecture

09/18–12/19 **NFV resource allocation**.
Availability guarantee
Placement algorithm

09/16–09/18 **Network slicing creation systems**.
SDN/NFV-based
SOA-based

Internship

09/18–03/19 **Huawei**, *2012 Laboratories*.
Responsible for maintance of IPFS nodes

09/17–02/18 **OPNFV & CMRI**, *Network Technology Research Institute*.
OPNFV internship, cooperation with China Mobile Research Institute (CMRI)
Responsible for Yardstick development

Awards

12/19–now **China Scholarship Council (CSC) Scholarship**.

01/19–10/21 **BUPT Excellent Ph.D. Students Foundation**.

10/16–10/19 **Graduate Student Scholarship**.

Publications

Meng Wang, Bo Cheng, and Junliang Chen. Poster: A linear programming approach for SFC placement in mobile edge computing. In *The 25th Annual International Conference on Mobile Computing and Networking (MobiCom)*, pages 1–3. 2019, (CCF A).

Meng Wang, Bo Cheng, and Junliang Chen. An efficient service function chaining placement algorithm in mobile edge computing. *ACM Transactions on Internet Technology (TOIT)*, (CCF B).

Meng Wang, Bo Cheng, and Junliang Chen. Poster: A SDN/NFV-based network slicing creation system. In *International Conference on Service-Oriented Computing (ICSOC)*, pages 566–568. 2019, (CCF B).

Meng Wang, Bo Cheng, and Junliang Chen. Joint availability guarantee and resource optimization of virtual network function placement in data center networks. *IEEE Transactions on Network and Service Management (TNSM)*, (CCF C).

Meng Wang, Bo Cheng, Wendi Feng, and Junliang Chen. An efficient service function chain placement algorithm in a MEC-NFV environment. In *2019 IEEE Global Communications Conference (GLOBECOM)*, pages 1–6. 2019, (CCF C).

Meng Wang, Bo Cheng, Biyi Li, and Junliang Chen. Service function chain composition and mapping in NFV-enabled networks. In *2019 IEEE World Congress on Services (SERVICES)*, volume 2642, pages 331–334, 2019.

Meng Wang, Bo Cheng, Xuan Liu, Yi Yue, Biyi Li, and Junliang Chen. Poster: A SDN/NFV-based IoT network slicing creation system. In *The 24th Annual International Conference on Mobile Computing and Networking (MobiCom)*, pages 666–668. 2018, (CCF A).

Meng Wang, Bo Cheng, Shuai Zhao, Biyi Li, Wendi Feng, and Junliang Chen. Availability-aware service chain composition and mapping in NFV-enabled networks. In *2019 IEEE International Conference on Web Services (ICWS)*, pages 107–115. 2019, (CCF B).