# April 16, 2020

Dear Hashimoto Prize Committee Members,

I am writing this letter to enthusiastically support Liang Zhang’s nomination for the Hashimoto Prize of best doctoral dissertation. I am Liang’s supervisor in his summer intern in Futurewei Technologies in 2016. Meanwhile, I am one of the members of Liang’s Ph.D. dissertation committee since 2018. Liang is an outstanding researcher, and his doctoral dissertation would have great impact on wireless communications.

In Liang’s summer intern, he worked on a project of the next generation highspeed access networks. Liang investigated on the channel bonding architecture and designed a platform to evaluate the channel bonding performance. My colleagues and I were impressed by Liang’s diligence, team spirit, and intelligence.

Liang’s Ph.D. dissertation focuses on wireless spectrum sharing in 5G networks. This work enables drone-mounted base station communications for emerging 5G applications. In his Ph.D. study, Liang has cultivated his skills to conduct research on the next generation networks. The algorithm he proposed improves the radio resource assignment. Results demonstrate enhanced throughput and efficiency to support 5G users.

Liang’s excellent work in doctoral dissertation research has been testified by a strong publication list. He has authored more than 10 articles in top-level journals such as IEEE Open Journal of Vehicular Technology, IEEE Wireless Communications, IEEE Transactions on Vehicular Technology, IEEE Communications Letters, and IEEE Network. His research work has also been published in international flagship conferences such as IEEE GLOBECOM, OFC, IEEE ICC, and IEEE CloudCom. All of these have shown his capability of conducting deep research and delivering essential contributions.

In a sum, Liang is an excellent young researcher with perseverance, initiative, and intellectual creativity. I give my highest recommendation for Liang Zhang to the Hashimoto Prize. Please feel free to contact me if any further information is needed.

Sincerely,

Yuanqiu Luo, Ph.D.

Director, Optical Access Standards

Standardization & Industry Department

Futurewei Technologies, Bridgewater, NJ, 08807, USA

Email: yuanqiu.luo@futurewei.com

Contact: 732-447-5983