

Ya-Feng Liu (刘亚锋) received the B.Sc. degree in applied mathematics from Xidian University, Xi'an, China, in 2007, and the Ph.D. degree in computational mathematics under the supervision of Professor Yu-Hong Dai from the Chinese Academy of Sciences (CAS), Beijing, China, in 2012. During his Ph.D. study, he was supported by the Academy of Mathematics and Systems Science (AMSS), CAS, to visit Professor Zhi-Quan (Tom) Luo at the University of Minnesota (Twins Cities) from 2011 to 2012. After his graduation, he joined the Institute of Computational Mathematics and Scientific/Engineering Computing, AMSS, CAS, Beijing, China, in 2012, where he became an (tenured) Associate Professor in 2018. His main research interests are nonlinear optimization and its applications to signal processing, wireless communications, and machine learning. He has published over 40 journal papers and 20 conference papers on the above mentioned topics, including optimization journals like Mathematical Programming, SIAM Journal on Optimization, Mathematics of Operations Research, and Journal of Global Optimization, and IEEE interdisciplinary journals like IEEE Transactions on Signal Processing, IEEE Journal on Selected Topics on Signal Processing, IEEE Transactions on Information Theory, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Wireless Communications, IEEE/ACM Transactions on Networking, IEEE Transactions on Mobile Computing, and IEEE Transactions on Image Processing. His works have been cited more than 1350 times according to the Google Scholar.

Dr. Liu is an Editor of the IEEE Transactions on Wireless Communications and an Associate Editor of the Journal of Global Optimization and the IEEE Signal Processing Letters. He is an IEEE senior member, a member of the Signal Processing for Communications and Networking Technical Committee of the IEEE Signal Processing Society, a member of the Wireless Communications and Networking Technical Committee of the Asia-Pacific Signal and Information Processing Association, and the Deputy Secretary-General of the Mathematical Programming Branch of the Operations Research Society of China. He was a recipient of the Best Paper Award from the IEEE International Conference on Communications (ICC) in 2011 and the Best Student Paper Award from the International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt) in 2015. He also received the Chen Jingrun Star Award from the AMSS and the Science and Technology Award for Young Scholars from the Operations Research Society of China in 2018.

Updated in June 2020