

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 60 journal papers and 30 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 2600 times according to the Google Scholar.

Dr. Liu has been or is an Associate Editor of the IEEE Transactions on Signal Processing, the IEEE Transactions on Wireless Communications, 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 (2020—2022 and 2023--2025), 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 Operations Research Society of China. He received the Best Paper Award from the IEEE International Conference on Communications (ICC) in 2011, the Chen Jingrun Star Award from the AMSS in 2018, the Science and Technology Award for Young Scholars from the Operations Research Society of China in 2018, the 15th IEEE ComSoc Asia-Pacific Outstanding Young Researcher Award in 2020, and the Science and Technology Award for Young Scholars from the China Society for Industrial and Applied Mathematics in 2022. Students supervised and co-supervised by him won the Best Student Paper Award of the IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) in 2022 and the International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt) in 2015.

Updated in April 2023