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Biography

Dr. Hongjiang Wei is an associate professor at the School of Biomedical Engineering, Shanghai Jiao Tong University. Dr. Wei received his bachelor's and master's degrees in Electronic Information from the Harbin Institute of Technology and his Ph.D. degree from the University of Lyon, France.

Dr. Wei's primary research lies in the development of Quantitative Susceptibility Mapping (QSM) and the innovation of deep learning in fast MRI reconstruction. In particular, he contributed to the areas of computational and algorithmic development for QSM and Susceptibility Tensor Imaging (STI). He is one of the main contributors to STI Suite, a software that has been developed to perform magnetic susceptibility MRI. STI Suite is now being widely used by researchers in universities and hospitals worldwide. Additionally, he recently developed unsupervised deep learning multi-contrast MRI, significantly accelerating MRI acquisitions. He has authored over 100 peer-reviewed journal papers including Brain, MRM, NeuroImage, IEEE TMI, and Medical Image Analysis, and over 100 conference abstracts presented at the International Society for Magnetic Resonance in Medicine (ISMRM).

Prior and Current Services for Societies

Dr. Wei has served in many professional societies. He served on the ISMRM EMTP workshop steering committees. He is currently a committee member of the Chinese Society of Image and Graphics, the China Technology Market Association Medical Device Technology Innovation Professional Committee, and the Standardization Technical Committee for Medical Devices of Biomedical Engineering in Shanghai. He also served as a reviewer and editorial board member for multiple international conferences and journals, such as ISMRM, MRM, NeuroImage, IEEE TMI, Medical Image Analysis. He has been funded by several major grants in China as PI or co-PI, such as the Key Program of the NSFC, etc.

Vision to Serve OCSMRM

Dr. Wei has become a member of OCSMRM since 2014 and has actively participated in the society's scientific meetings and webinars. Witnessing the dramatic growth of the society and inspired by numerous prestigious society leaders, he is now highly motivated to contribute to the Chinese MR research by serving the society community. If elected as a BoT member, he will be committed to collaborating with other board members to 1) drive for MRI technical development and innovation, accelerating China's domestic MRI manufacturing ambition, 2) foster the innovation and translation of domestic MRI techniques to the market and clinical space, 3) enhance the influence of our society with his established involvement in other societies.