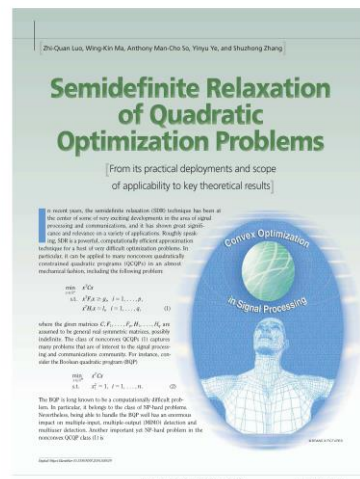


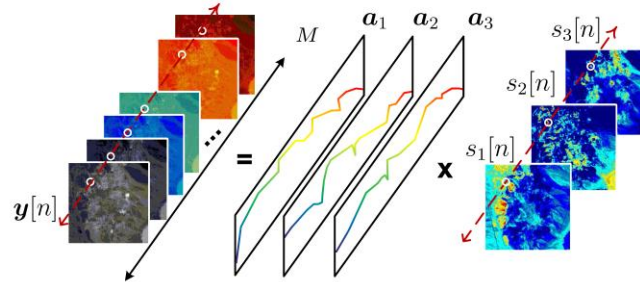
Prof. Wing-Kin Ma received Research Excellent Award 2013-2014 by CUHK.



Dr. Ma's research is the areas of signal processing and communications. His most notable contributions lie in the applications of optimization in these areas; principally to the topics of multiple-input multiple-output (MIMO) transceiver designs and interference management. He has one widely recognized overview paper on applications of the semidefinite relaxation technique to optimization problems that arise in signal processing and communications.



More recently, he has broadened his research interests to include blind signal processing techniques, with key applications in unmixing problems in hyperspectral imaging for geoscience and remote sensing. There, he found intriguing opportunities to bridge the gaps between signal processing and remote sensing. He has served as the Lead Guest Editor of *IEEE Signal Processing Magazine* for a special issue in hyperspectral remote sensing.



Dr. Ma is active in professional society activities. He is currently serving or has served as Associate Editor of *IEEE Transactions on Signal Processing*, *IEEE Signal Processing Letters*, *Signal Processing*, *IEEE Journal on Selected Area of Communications* (Guest), and *IEEE Signal Processing Magazine* (Guest). He was a Tutorial Speaker at the European Signal Processing Conference (EUSIPCO) 2011 and at the IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2014. His students have won Best Student Paper Awards in ICASSP 2011 and 2014 (the largest and most comprehensive conference in signal processing), respectively.

