Special Issue

Advances in Massive Signal Processing

Message from the Guest Editors

The 6G wireless networks are envisioned to provide a reliable service for a wide range of communication scenarios. In order to satisfy the growing demands for higher capacity, broader coverage, and better reliability, novel technologies, such as grant-free access, cell-free massive MIMO, orthogonal time-frequency space modulation, and intelligent reflect surface, are conceived to be incorporated into the current communication systems. However, both the increase in the number of the antennas and that of the users have augmented the dimension of signals, resulting in extremely complex signal processing, for which conventional signal processing methods may not be efficient. Against this background, it is necessary to investigate low-complexity signal processing approaches, including precoding, estimation, and detection algorithms for emerging techniques. Specifically, new perspectives around signal processing are encouraged to be further explored. This Special Issue aims to focus on the development of low-complexity efficient signal processing algorithms for future massive signal models.

Guest Editors

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Deadline for manuscript submissions

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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