Special Issue

Advances in Mathematical Methods in Signal Processing and Its Applications

Message from the Guest Editor

Advances in data collection technology, continuing improvements of the cost advantages and processing capabilities of computing technology (according to Moore's Law), as well as aggressive upscaling of the digital world through considerable increases in parallelism and architecture optimizations generate many potential advantages in the signal processing applied to the noisy, high-volume, high-resolution and complex data structure sets collected from different sources or sensors. In this Special Issue, the following non-exhaustive list of topics promoting solutions to the mathematical challenges in signal processing—from both fundamental and applied research perspectives—will be addressed: computer vision, medical imaging, speech, natural language processing, human–computer interaction (HCI), brain–computer interaction (BCI), graph signal processing, statistical signal processing, sparse signal processing, genomic signal processing, networks of sensors, Internet of Things (IoT), phased radar array, multi-antenna systems, cellular networks, spectrum and energy-efficient communication, multi-user signal processing, seismology, etc.

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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