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Signal Processing and Machine Learning for Smart Sensing Applications (Volume II)

Guest Editors:

Dr. Ni Zhu

Message from the Guest Editors

Prof. Dr. Ying-Ren Chien This Special Issue focuses on advanced signal processing and machine learning technologies for smart sensing Dr. Joaquín Torres-Sospedra examples applications. Successful include radio navigation, indoor/outdoor positioning, mm wave sensing, Prof. Dr. Mu Zhou speech denoising, noise cancellation, in-home monitoring Dr. Ao Peng technologies for ageing in place, biomedical signal processing with wearable devices, etc. One of the objectives of this Special Issue is to present smart sensing applications that leverage state-of-the-art signal processing and machine learning technologies. The other Deadline for manuscript purpose is promote interdisciplinary main to submissions: collaborations between researchers in the fields of signal closed (29 February 2024) processing and machine learning technologies for smart sensing applications.

> The emerging trends for smart sensing include: (1) the integration of sensors with low-power embedded signal processing into one system, (2) the integration of multiple sensors in the same system to extract more useful data, and (3) the use of compressive sensing techniques to extract useful information from the original sensor output. To achieve these goals, sophisticated signal processing and machine learning technologies are required.



Specialsue





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Editor-in-Chief

Message from the Editor-in-Chief

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