Special Issue

Artificial Intelligence-Based Signal Processing for Sustainability

Message from the Guest Editor

Signal processing is a significant step for the eloquent restoration and analysis of ill-posed signals which are extremely troubled in nature. Traditional signal processing approaches yield rational answers; however, scheming a refined approach for ideal presentation frequently needs several hits and trials. Today, artificial intelligence is playing an increasingly important role in both image and video signals. Artificial intelligence, deep learning, and various areas of associated technologies have contributed seriously to research into sustainability. Improved from the conventional machine-learning methods, deep learning methods allow the end-to-end optimization of the whole data-driven pipeline. Deep learning also permits the learning of deep features within the dataset in numerous forms. However, until now, the most effective approaches of deep learning have been within the area of computer science and its associated engineering areas. The application of deep learning for answering environmental issues for sustainability is still incomplete in relation to the demand.

Guest Editor

Dr. Gwanggil Jeon

Department of Embedded Systems Engineering, College of Information Technology, Incheon National University, 119 Academy-ro, Yeonsu-gu, Incheon 22012, Republic of Korea

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Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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