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# Emerging Topics in Machine Learning, Image Processing and Pattern Recognition for AI-Related Applications

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# **Message from the Guest Editors**

Dear Colleagues,

Recent advances in the fields of machine learning, image processing and pattern recognition have sparked a rapid revolution in the field of artificial intelligence (AI).

The purpose of this Special Issue is to collate the latest methodologies, models, algorithms and findings, as well as to discuss the current challenges of machine learning, image processing and pattern recognition solutions for a broad range of Al-related applications. Topics include but are not limited to:

- Deep learning;
- Interpretable machine learning algorithms;
- Statistical learning theory for data mining;
- Semi-supervised, weakly supervised and unsupervised learning systems;
- Multi-modal data analysis;
- Optimization of sustainable computational intelligence;
- Innovative methodology related to image processing and computer vision;
- Mathematic solutions for pattern recognition;
- Real-time pattern recognition applications;
- Secure Al.



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## Message from the Editor-in-Chief

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