Editorial

Q. Zhang

School of Computer Science and Technology,
Hainan University,
No. 58 Renmin Rd., Meilan District, Haikou 570228, China
Email: q.c.zhang@outlook.com

Biographical notes: Q. Zhang received his Bachelor's in Computer Science from the Hunan University in 2006 and Master's in Computer Science from Hunan University in 2009. And then, he went to work as a Senior Engineer in a company. His PhD was received in the Central South University in 2015. Currently, he is a Full Professor in the School of Computer Science and Technology, Hainan University. His research areas are machine learning, human-computer interaction and big data.

In recent times, pattern recognition and machine learning is greatly used to analyse different kinds of highly complex data to offer a possibility of building models from data using the learning-from-examples paradigm.

The special issue intends to act as a forum for research groups and engineers to address and share new ideas, achievements, and promising future directions in pattern recognition and image analysis. Therefore, the main topics in this issue will envelop:

- Image analysis and processing which covers segmentation, texture and colour information, feature extraction and representation, interactive image analysis and interpretation, shape and motion primitives, etc.

- Pattern recognition and vision will encompass statistical, syntactic and structural pattern recognition, artificial intelligence, feature reduction, cognitive vision, active vision, spatial reasoning, 2D and 3D modelling, etc.

- Machine learning and multimedia will include ambient intelligence, machine learning, data mining, classification, and clustering, data fusion, multimedia analysis and processing.

- Cultural heritage and applications covering biomedicine, biometrics, cultural heritage, OCR and document analysis, mobile robots and visual navigation, video surveillance and intelligent transport systems, remote sensing and environment control, etc.