Guest Editorial Preface

Special Issue on Emerging Research Trend in Computing and Communication Technologies (Part 2)

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Rapid growth of Social Media and the Web Contents Business Organizations and Government agencies have started utilizing the Social Media Sentiment Analysis techniques to measure public perception or consumer opinions about their products and services. For exploring the hidden treasure in these digital data special techniques of Processing and Visualization is required. One of the very important and preliminary steps for data acquisition is Denoising.

With continuous advancements in sensor technology, wireless communications, modern network architectures and electronics; it is now feasible to fulfill the requirements of Underground Mines using wireless sensor network (WSN). Lots of people losses life everyday due to the delayed medical response in the accident spots on the road. An Automated the process of detecting and reporting accident using accident detection kit in vehicles can save lots of life every day. Internet-based real time Bi-Directional traffic management support systems provide significant benefits to monitor road accidents and traffic conditions. An integrated approach with multiple data feeds and Back Propagation (BP) Neural Network (NN) with Levenberg-Marquardt (LM) optimization is one of the suitable solutions to this catastrophe since the BP NN with LM optimization achieves above 90% accuracy. The Neuro-Fuzzy approach combines the merits of Neural Network and Fuzzy Logic to solve many complex machine learning problems. Hence, the merging research trends in Applied computing in areas of Neuro-Fuzzy approach, Sentiment Analysis of Web, Data/image Clustering, Denoising, and Wireless Sensor Network(WSN) needs lots of deliberations.

This second part of the special issue of International Journal of Applied Evolutionary Computation (IJAEC) contains research paper on Social Computing, Image Denoising, Traffic management and Internet of things (IoT) contributed by researchers from various countries. This is the second part of a two-part special issue. The fourth paper in this issue is not part of the special issue.

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