

Special Issue

Computational Intelligence for Novel Processing Techniques in Industrial Applications

Message from the Guest Editors

Digital processing techniques with computational intelligence play a noteworthy role and have been extensively applied in industrial applications, such as application domains in smart manufacturing systems, digital medical image systems, and infosecurity communication systems. These techniques have attracted the attention of many researchers who want to develop computational intelligence-based techniques for the abovementioned industrial applications.

Therefore, novel computational intelligence-based methods/algorithms are required for the following purposes: (1) automatic visual inspection or search, automatic control, advanced robotics, and fault detection in smart manufacturing systems; (2) automatic visual inspection, image enhancement and segmentation, and automatic diagnosis/detection in digital medical image systems; and (3) word, text, and image encryption and decryption infosecurity communication systems. **Keywords**

- smart manufacturing system
- medical image system
- infosecurity communication system
- automatic visual inspection
- fault detection
- three-dimensional printing
- automatic diagnosis, detection, and monitoring
- fractional-order calculus

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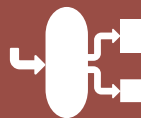
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