CALL FOR PAPERS

Sensors are commonly used as condition monitoring devices in industrial applications. Nowadays, many methods are developed to detect and diagnose the faults and abnormal status in industrial applications. These methods are based on model, signal, and intelligent computing for detection and diagnosis. Diagnosis process is highly important for industrial systems and it is supposed to apply diagnosis in an early time.

Several diagnosis techniques have been proposed to detect and diagnose the faults. These techniques are based on the monitoring and measurement of the signals (vibration, temperature, voltage, current, …). An ideal diagnosis method should require a minimum amount of information and sensor obtained from the system and determine its condition quickly in order to minimize the costs of the detection system and loss of production.

We invite overview and original papers describing current and expected challenges along with potential solutions for sensor based intelligent systems for detection and diagnosis. Both experimental and theoretical papers are welcome.

Potential topics include, but are not limited to:

- ▶ Intelligent sensor processing techniques
- ▶ Innovative sensor applications
- ▶ Monitoring, detection, and diagnosis solutions in industrial applications
- ▶ Computational intelligence techniques in sensor based detection and diagnosis
- ▶ Real time sensor data processing
- ▶ Sensing, monitoring, and intelligent control
- ▶ Wireless sensor applications for diagnosis
- ▶ Optimisation methods for sensors and sensor based intelligent systems
- ▶ Computer vision and image processing techniques for monitoring, detection, diagnosis, and control in industrial applications

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