

IEEE International Conference on Industrial Informatics INDIN'15

22-24 July 2015, Cambridge, UK

Special Session on

**“Diagnostics and condition-based maintenance for
intelligent manufacturing environments”**

organized by

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Call for Papers

Theme:

The need for innovative approaches to monitoring and diagnostics in manufacturing is becoming more pressing as manufacturing organisations constantly try to increase system uptime while reducing operational and maintenance costs. New opportunities for innovative methods to assist in condition-based maintenance arise as a result of the developments in the fields of data mining accompanied with the increasing availability of vast amounts of production data and dropping costs of innovative sensing technologies.

This special session aims to examine the state of the art in condition-based maintenance in manufacturing and the enabling technologies and methods.

Topics of interest include, but are not limited to:

- Architectures and methodologies for intelligent condition monitoring and condition based maintenance in manufacturing.
- Methods for fault diagnostics and prognostics in assembly and machining.
- Innovative sensors and data acquisition technologies for enhanced diagnostics and prognostics.
- Data mining applications for product quality management in manufacturing.
- Knowledge management for condition based maintenance.
- Methods for accurate reliability predictions during system design.

Submission procedure, deadlines, and author instructions:

A manuscript submitted to the Special Session of INDIN 2015 must be in the IEEE double format with single space 10p fonts and figures included in the text, so the length of the manuscript of 8 pages long in PDF format can be evaluated. For your convenience you may download the WORD [template.doc](http://www.INDIN2015.org) from the conference website: <http://www.INDIN2015.org>

Deadlines:

- Reception of full paper: February 1, 2015
- Paper acceptance notification: April 10, 2015
- Camera ready paper reception: May 17, 2015