Special Session on
"Diagnosis, Prognosis and Resilient Control for Industrial Systems"
organized by

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Call for Papers

Theme:
Industrial systems, such as aero engine, power network, chemical automation process, wind turbine systems, and so forth, are safety-critical systems. Therefore, there is an ever-increasing demand to provide a high-level system reliability and safety for practical engineering systems by implementing real-time monitoring, fault diagnosis, prognosis and resilient control and management. This special session aims to provide a platform for the researchers and participants from both academic community and industrial sectors to report recent research and application progress in the field of condition monitoring, fault diagnosis, fault prognosis, resilient control and their applications.

Topics of interest include, but are not limited to:
- Machine-learning based monitoring and fault diagnosis
- Signal-based monitoring and fault diagnosis
- Model-based monitoring and fault diagnosis
- Prognosis methods and remaining use life prediction
- Resilience of safety-critical systems
- Health monitoring and management for industrial systems
- Real-time implementation of diagnosis, prognosis and tolerant control in engineering applications

Submissions Procedure: All the instructions for paper submission are included in the conference website https://indin2020.medmeeting.org/en

Fast track to transactions: INDIN 2020 presents a unique chance of fast-tracking best papers to IEEE Transactions on Industrial Informatics (TII). Authors intended to use the fast track shall submit papers in the form following the transactions requirements: length up to 8 pages, double-column IEEE format, <u>without</u> authors' names and affiliations. If the paper is accepted and recommended for the transactions' submission, the authors will be asked to:

1) Revise the paper according to the reviewers' comments and submit it to the TII with attached point by point summary of revisions. The paper will be then subject to double blind review process of TII.

2) Prepare a shortened, 4 page long version for the INDIN proceedings and submit it by the 'final manuscripts due' deadline of INDIN 2020. This version shall include authors names and affiliations as per the usual INDIN template.

Deadlines:
Deadline for submission of papers: March 07, 2020

A good quality paper may be considered for publication in IEEE Transactions on Industrial Informatics (I.F.=7.377) subjects to further rounds of review

Notification of acceptance of papers:	April 18, 2020
Final manuscripts due:	May 09, 2020

A good quality paper may be considered for publication in IEEE Transactions on Industrial Informatics (I.F.=7.377) subjects to further rounds of review