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1st International Conference on Applied Automation and Industrial Diagnostics, ICAAID 2015 29-30 March 2015, Djelfa, Algeria



The 1st International Conference on Applied Automation and Industrial Diagnostics, ICAAID 2015, will be held in DJELFA, Algeria from 29 to 30 March 2015. The conference is organised by the Applied Automation and Industrial Diagnostics Laboratory LAADI, University of DJELFA, Algeria. ICAAID 2015 focuses on both industrial Automation systems applications and theory largely covering the topics of artificial intelligence, modelling, control, diagnosis and reliability engineering in application areas, for improving the reliability of materials and devices in industrial systems. The main aim of the ICAAID 2015 is to bring together all potential participants: from industry, experts, researchers, academics, manufacturers and suppliers of several countries to review the latest developments that are achieved in these areas and to exchange research ideas to explore current challenges in modelling, control, diagnosis and reliability engineering from theoretical and application point of views. The topics of interest include, but are not limited to, the following:

Intelligent Control **Automation Systems**

Control theory Integrated automation systems Intelligent control systems Neural networks control Fuzzy control Hybrid systems control Intelligent control systems Bioprocesses systems Embedded control systems Robot dynamic and control SCADA Systems

Modelling and Identification Systems

Systems theory **Process Automation Modelling** Non-linear systems Large-scale systems Optimization Models Dynamic modelling Computational algorithms Model Reduction Model validation Fuzzy identification Aggregate modelling system

Diagnosis and Fault Tolerant Control

Fault diagnosis systems Fault tolerant control Fault diagnosis software Fault diagnosis applications Fault detection and identification Model-based FDI techniques Sensor and process faults Monitoring systems Re-configuration systems Decision making in diagnosis

Reliability Engineering and Failures analysis

Reliability systems Fuzzy reliability Robust reliability system Failures analysis Reliability software Prognostics systems Intelligent acquisition data Intelligent multi-agent system Autonomous Systems Lifetime systems Maintenance system

Paper Submission:

Papers must be written in English or French and should describe the work in detail. Please download the template from the conference website: http://www.univ-djelfa.dz/icaaid

Paper submission is through: https://cmt.research.microsoft.com/ICAAID2015/Default.aspx

Accepted and presented, peer-reviewed papers will be published in Indexed and Abstracted Journals.

If you have any comments or requests and for submit the full papers, contact the conference secretariat to: icaaid@univ-djelfa.dz or laadi@univ-djelfa.dz

Important Dates:

Deadline for Full Paper submission:

Notification of Acceptance:

Deadline for Camera Ready:

December 25, 2014 January 15, 2015

February 01, 2015 February 15, 2015

March 01, 2015







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