



Call for Papers

Special Session

3RD International Conference on
**Control, Decision and
Information Technologies**

April 6-8, 2016

CoDIT'16

Website : www.codit2016.com

Saint Julian's, Malta

**CALL FOR PAPERS
SPECIAL SESSION ON**

Papers submission deadline
extended to **January 07, 2016**

**“Control Systems Using Soft Computing – Application to nonlinear dynamic systems -”
for CODIT'16**

April 6-8, 2016 – Malta

Session Co - Chairs :

Miss. Khoulood Filali, *Advanced Systems Laboratory, Polytechnic School of Tunisia-University of Carthage, Tunisia*

Mr. Khaled Nouri, *Advanced Systems Laboratory, Polytechnic School of Tunis-University of Carthage, Tunisia*

Session description

This special session deals with the problem of control systems which is based on the accuracy of the readable information. The high performance of these systems based on how to process the input signals which present huge amount of problems in nonlinear dynamic systems such as terrestrial, aerospace and water vehicles, automated guided robots, communications. Software systems have its controls systems anomalies too which rise in personnel computers, mobiles applications and navigation systems. Such systems presented in many ways as the future key to a high performance embedded systems in the research and industrial fields. To achieve the needed degree of precision the scientific community focuses on creating new approaches or hybrid ones using new technology from hardware to software. The goal of this session is identifying the state of the art in this field by collecting examples of the existing applications in this area as well to present both practical and theoretical issues in the adaptation and development of control systems especially operating on soft computing regarding its flexible algorithms in signal processing by using a reconfigurable hardware technology (i.e FPGA, SoC). The topics of interest include, but are not limited to:

- Dynamic Systems
- Control nonlinear Systems
- Soft computing : Fuzzy logic, neural network, genetic algorithm , wavelet transformation
- Embedded Systems : DSP, FPGA , SoC
- Signal processing

SUBMISSION

Please submit your full paper choosing the right track on the Conference Management Toolkit (Microsoft's CMT) site: <https://cmt.research.microsoft.com/CODIT2016/>

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format). Click on the icon to download the Call For Papers.

December 7, 2015: deadline for paper submission

February 2, 2016: notification of acceptance/reject

February 20, 2016: deadline for final paper and registration.