



**CALL FOR PAPERS
SPECIAL SESSION ON**

**“Intelligent Wireless Sensor Networks for Monitoring, Diagnosis and Control (IWSN’18)”
for CODIT’18**

April 10-13, 2018 – Thessaloniki, Greece

Session Co-Chairs :

Prof. Dan Popescu, *Politehnica University of Bucharest, Romania*

As.Prof. Loretta Ichim, *Politehnica University of Bucharest, Romania*

As.Prof. Grigore Stamatescu, *Politehnica University of Bucharest, Romania*

Session description

This special session deals with the different problems of intelligent wireless sensor networks (WSN) used for monitoring and distributed control. The applications of WSN in such domains like: environment, industry, medicine, agriculture, transportation and so on, needs interdisciplinary knowledge and effectively solve many complex problems which are encountered. Today WSN and the component sensors are endowed with intelligence and therefore the modern WSN is based on cooperation, integration, data fusion, efficient communication, energy saving, diagnosis and possible use of IoT and cloud computing.

The goal is to bring together researchers, engineering and users in different domains which are engaged in resolving problems of distributed monitoring, diagnosis and control with the aid of modern WSN. We invite you to present and discuss advances in the research and development of intelligent sensor networks for monitoring, diagnosis and control.

The topics of interest include, but are not limited to:

- Collaborative sensor networks;
- Integrating WSN in IoT and cloud computing;
- Data fusion in WSN;
- Energy harvesting in WSN;
- Intelligent WSN;
- Cognitive radio WSN;
- Energy saving in WSN;
- Hybrid aerial and ground WSN;
- Data processing in WSN based on consensus;
- WSN and distributed control;
- Large scale WSN;
- Fault diagnosis in WSN;
- Applications for monitoring of environmental parameters.

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **December 10, 2017**: <http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2018 link** **“Submit a Contribution to CoDIT'18”** and follow the steps to this Special Session.

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).

DEADLINES

December 10, 2017: deadline for paper submission

February 4, 2018: notification of acceptance/reject

February 28, 2018: deadline for final paper and registration.