**Call for Papers on ICCMIT 2015:**

**“Advances in Computational Intelligence Techniques for designing Wireless Sensors Networks”**

**Organized by:**

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**Objective and Motivation**

Recent advances in micro-electro-mechanical systems, digital electronics, and wireless communications have led to the emergence of wireless sensor networks (WSNs), which consist of a large number of sensing devices each capable of detecting, processing and transmitting environmental information. A single sensor node may only be equipped with limited computation and communication capabilities; however, nodes in a WSN, when properly configured, can collaboratively perform signal processing tasks to obtain information pertaining to remote and potentially dangerous areas in an untended and robust way. Any WSN is deeply involved in and related to the monitored environment, and any change occurring to the surroundings will significantly influence its performance; nevertheless, the network must be able to tolerate and “survive” any change by implementing proper reactions and adaptation mechanisms sustaining communications for both sensed data and commands.

**Scope and Interests**

Although traditionally Wireless Sensor Network have been regarded as static sensor arrays used mainly for environmental monitoring, recently, its applications have undergone a paradigm shift from static to more dynamic environments, where nodes are attached to moving objects, people or animals. Applications that use WSNs in motion are broad, ranging from transport and logistics to animal monitoring, health care and military. These application domains have a number of characteristics that challenge the algorithmic design of WSNs.

This special session focuses on exploring collaborative techniques to make WSNs more reliable, intelligent, effective and easy-to-use in both academic and industry-related scenarios. Prospective authors are invited to submit original papers to the Special Session in the following related areas, but not limitted to:

* Energy optimization algorithms for WSNs
* Evolutionary Computation techniques for designing routing protocols in WSNs
* Swarmed sensors networks
* Energy harvesting in WSNs
* Computational Intelligence and Routing in WSNs
* Intelligent Localization Techniques for WSNs
* Intelligent Algorithms for clustering WSNs
* Particle Swarm Optimization for node deployment in high density WSNs
* Performance, simulation, modeling and case studies for WSNs
* Integration of WSN and Cloud computing
* Indoor and outdoor localization in WSN

**Paper Submission Important Dates**

###### All instructions and templates for submission can be found in the ICCMIT 2015 web site: <http://www.iccmit.net/>. Please, contact the special session organizers if you are planning to submit any paper.

###### Paper submission: until February 28, 2015 Notification of acceptance: March 7, 2015 Final paper submission and authors camera ready: March 15, 2015 Conference Dates: April 20-22, 2015