

Symposium proposal

Symposium title: Recent Trends in Wireless Sensor Networks

Abstract:

In Recent times, Wireless Sensor Networks have been a growing area of research. Their usage is wide-spread in agriculture, health, energy, environment, industry, smart cities, etc. Due to its configuration flexibility and lower deployment cost, wireless sensor networks have become the most popular. However, several issues and challenges are faced by designers to guarantee the highest QoS, e.g., security, channel reliability, battery life, interoperability with other networks, etc. Performance of Wireless Sensor networks depend on several factors, such as, network architecture, operating system, hardware implementation, radio interface, protocols, sensors technology etc.

This symposium intends to be the meeting point of researchers to share experiences and ideas on innovative developments in any aspect of wireless sensor networks, including Hardware of Wireless Sensor Networks, Wireless Communication Protocols, Architectures, Wireless Information Networks, Channel Characterization, Data Manipulation, Signal Processing, Localization and Object Tracking through Sensor Networks, Modelling and Simulation, Applications and Uses.

As No regular track has been proposed for wireless sensor networks in the international conference on Emerging Electronics and Automation, we would like to propose the Symposium on Recent Trends in Wireless Sensor Networks. The areas of interest include but are not limited to:

1. WSN Architectures
2. WSN Protocols
3. WSN Topologies
4. WSN Performance
5. Communication Standards for WSN
6. Energy Efficient WSN
7. Ad Hoc Networks
8. WSN Security
9. Power Management
10. WSN APPLICATIONS

It would indeed be a great opportunity to be associated with the international conference on Emerging Electronics and Automation.

Outcome: At least 10 papers along with the tentative title as per the topic mentioned above are expected in this international conference on Emerging Electronics and Automation, NIT Silchar.

Proposers-

1. Dr. Sharbari Banerjee, Assistant Professor, Amity University, Uttar Pradesh Noida
2. Dr. Koena Mukherjee, Assistant Professor, EIE Department, NIT Silchar