

WSN, Smart Homes and Intelligent Buildings: From sensors to computing

Presenters:

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Abstract:

In recent time wireless sensors and sensor networks have been widely used in many applications such as monitoring environmental parameters, monitoring and control of industrial situations, intelligent transportation, and structural health monitoring, health care and so on. The advancement of electronics, embedded controller, smart wireless sensors, intelligent computation, networking and communication have made it a possibility of the development of a low cost, low power smart wireless sensors nodes. WSN based smart home provides a safe, sound and secured living environment for the inhabitant by monitoring activities 24/7. The development of smart homes leads to intelligent buildings in a broader perspective. Though significant developments have taken place but there are still many challenges faced by the researchers to make it happen to society.

The talks will cover sensors, wireless sensor networks, Internet Sensing, ambient intelligence, cloud computing including handling of large Data based research and development activities.