Call for Participation

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**A.D. Patel Institute of Technology
New V.V.Nagar, Gujarat, India**

9 - 11 October, 2013 (SNWC2013)

International Workshop on Sensor Network and Wireless Communication

SNWC 2013

The workshop includes plenary talks, contributed papers, invited papers, tutorials, hands on session, poster session papers, post graduate and research track

Technically Supported by

IEEE
Gujarat Section

A. D. Patel Institute of Technology

Electronics and Communication Engineering Department,

About workshop

In a time of innovation to sustain as well as to grow in the field of electronic and communication, it is high time to have a workshop in the area of wireless & Sensor Network. To have interactions in the field of common interest work shop has been arranged on " Sensor Network and Wireless Communication" which is becoming key area of Inofrmation and Communication Technology. The workshop will touch upon current and modern approaches of communications including cyber physical system, M2M for designing digital future, issues in sensor network design, energy harvesting in sensor nodes, information and communication, signal and image processing and applications. The workshop includes plenary talks, poster presentations, tutorials and hands on sessions. The workshop shall be beneficial to faculty, students, researcher and practicing engineers in the field of sensor network and wireless communication.

About the Institute

A. D. Patel Institute of Technology is one of the pioneering institute imparting technical education in the state of Gujarat, India. Established in year 2000, managed by Charutar Vidya Mandal (CVM), one of the leading trust of the nation established in 1948, the institution has grown in last few years. The institute is located in satellite township of New Vallabh Vidyanagar having green natural environment and beautiful landscape near educational hub of the state, Vallabh Vidyanagar and milk city, Anand. Institute offers Under Graduate courses on Electronics and Communication Engineering, Computer Engineering , Information Technology, Electrical Engineering, Mechanical Engineering , Food Processing Technology and Automobile Engineering, Civil Engineering and Post Graduate course on Signal Processing and Communications, Thermal Engineering,CAD/CAM.

Important Dates :

Paper Submission Deadlin	July 25, 2013
Notification of Acceptance:	August 15, 2013
Final Paper Submission:	August 31, 2013
Early Registration Deadline:	August 31, 2013
Tutorial Registration Deadline:	September 25, 2013

THEME AREAS:

Original Research papers/posters in the following areas are invited for presentation at the workshop.

- Architectures of MANETs and WSNs
- MAC-layer design for adhoc networks and WSNs
- Energy Efficient architectures, algorithms, and protocols
- Energy Harvesting and Power Management in Sensor Networks
- Adaptive Routing Strategies
- Localization Algorithms and Location Based Services
- Information and communication technology
- QoS and Resource management in sensor Network
- Clustering, topology control, coverage, and connectivity
- Security, privacy and cryptographic algorithms in WSNs
- Compressive sensing in WSN
- Cyber-physical systems
- Delay tolerant network   • Signal separation and interference rejection
- Modeling, estimation and equalization of time-   varying channels
- Information, signal and image Processing
- Operating systems and middleware support
- Cross layer design and optimization
- Sensor data mining
- Sensor markup language
- Sensor web
- Power, congestion and admission control issues in sensor network
- MIMO-OFDM
- Distributed detection and estimation
- Antennas for wireless and mobile applications
- Sensor network applications to health care, environment, agriculture, transportation and security.

Tutorials:

Microstrip Antenna

Software Defined Radio

Sensor Network and Applications

Plenary talk:

Professor Hiroyuki Morikawa
University of Tokyo,Tokyo
Japan
Topic: M2M for Designing a Digital Future

Abstract:

Information and communication technology (ICT) has had an enormous impact on society. In this presentation, two research directions of ICT are identified: "Machine-to-Machine(M2M) as social infrastructure" and "M2M as experience". M2M data is shown to be the key to achieve future networked society by introducing our research projects. One direction for creating new societies is to consider M2M as social infrastructure. M2M can solve many issues inherent in environment, city, water management, agri culture, resource management, health care, and so on. Forexample, we are currently applying sensor networks for agriculture, earthquakemonitoring, structural monitoring, and health care. The collection, distribution, and mining of sensor information by the use of M2M will open up new directions of ICT. ICT has been creating innovative applications and services. The use of real world information adds a new dimension of ICT such as context-aware services and augmented realities (AR). Sensors including acceleration sensors and positioning sensors willbecome a basis for creating human-centric services. We have been collecting severalkinds of sensor information in our laboratory for exploring the potentials of human-centric services including posture estimation for delivering advertisement and activity estimationfor reducing energy consumption. Towards desigining a M2M-based digital future, data is the key. By collecting, distributing, and mining of M2M data, we can realize efficientsupply chain management, medical applications, smart grid, water/resource management, smart city, to name just a few. Realizing the great promise of data presents a new set of challenges that may require a fresh approach

Hiroyuki Morikawa received the B.E., M.E, and Dr. Eng. Degrees   in electrical engineering from the University of Tokyo, Tokyo, Japan, in 1987, 1989, and 1992, respectively. Since 1992, he had been in the University of Tokyo and is currently a full professor of the Research Centerfor Advanced Science and Technology at the University of Tokyo. From 1997 to 1998,he stayed in Columbia University as a visiting research associate. From 2002 to 2006, he was a group leader of the NICT Mobile Networking Group. His research interests are in the areas of ubiquitous networks, sensor networks, mobile computing, wireless communications, and network services. He served as a technical program committee chair   of many IEEE/ACM conferences andworkshops, Director of IEICE, Editor-in-Chief of IEICE Transactions of Communications,OECD/ICCP vice chair, and he sits on numerous telecommunications advisory committees andfrequently serves as a consultant to government and companies. He has received more than 30 awards including the IEICE best paper award in 2002, 2004, and 2010, the IPSJ best paper awardin2006,the Info-Communications Promotion Month Council President Prize in 2008, the NTT DoCoMo Mobile Science Award in 2009, the Rinzaburo Shida Award in 2010.

Paper Submission:

Papers can be submitted by
email at snwc2013@gmail.com in the word and PDF
file as well as on line from conference website
The paper should be of six pages
A4 size paper with standard two column format.
The MS word template is available on
www.adit.ac.in/snwc.

:Registration Fee:

Students:	Rs. 1000/ -
Author/Delegate:	Rs. 2000/-
Tutorial:	Rs. 1000/-

Accommodation:

For student delegates' accommodation shall be made available on students' hostel on chargeable basis. There shall be limited seats in the guest house for delegates which shall be made available on first come first serve basis on chargeable basis. Only Vegetarian food will be available. There are good numbers of hotel available in nearby cities such as Anand (5KM), Vadodara (45KM) and Ahmedabad (70KM) from the place of workshop. For hotel accommodation delegate has to contact hotel directly. If needed assistance shall be provided upon request. Further details about nearby hotels can be found on our website.

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SNWC 2013

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Call for Participation

International Workshop on Sensor Network and Wireless Communication

Workshop Chair:

Dr.Vishvjit Thakar:
A.D.Patel Institute of Technology,
New Vallabh Vidynagar,Gujarat,
India

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Registration Form

Three day International Workshop
On
Sensor Network and Wireless Communication

October, 9-11, 2013

1. Name:

2. Designation:

3. Qualification:

4. Institute:

5. Mailing Address:

6. Accomodation:

7. Email:

8. Mobile No.:

9. Academic / Industry/student:

Date: Signature of Applicant

Place:

Signature and Seal
of
Head of the Institution