TWO-DAY WORKSHOP ON
APPLICATIONS OF SIGNAL PROCESSING IN WIRELESS COMMUNICATION
FEBRUARY 22nd-23rd, 2020
REGISTRATION FORM

Resource Persons

Chief Guest
Dr. Harish Kumar Sahoo, Associate Professor
VSSUT, Bulra, Odisha.

Invited Guest
Mr. Ram Narayan Patro, Ph.D Research Scholar
IIIT, Bhubaneswar, Odisha.

Venue
Silicon Institute of Technology
Sambalpur.

Registration Details
A registration fee of ₹ 200 is to be paid in the form of DD in favour of ‘Director, Silicon Institute of Technology’ payable at Sambalpur.
Spot registration is also available.
The registration fee includes workshop kit, lunch & refreshment.
Accommodation for the participants can be made available on request with payment.

Last date for registration
February 20, 2020

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ORGANISED BY
Department of Electronics & Communication Engineering
Silicon Institute of Technology
Sambalpur, Odisha, 768000.
Silicon Institute of Technology
Sambalpur

Department of Electronics and Communication Engineering

Silicon Institute of Technology started its first campus at Bhubaneswar in 2001 and with the completion of its nine glorious years it ventured into Western Odisha for its second campus at Sambalpur in 2009. After ten years of its existence, Silicon, Sambalpur otherwise known as Silicon West is now a familiar name in the field of technical education of Odisha. Since its inception, the institute has been undergoing continuous improvisation by adapting to modern and innovative technologies in order to cater to the students’ needs.

Team silicon came up with the campus primarily to meet the growing demand of technical workforce for core industries in Sambalpur, Jharsuguda & Sundergarh industrial zone. Silicon West offers core engineering courses and to train the students to cater to the needs of these industries. The institute has an enthusiastic & competent team of faculty members with state-of-the-art laboratories and safe residential accommodation having modern amenities.

Silicon West, 15 km away from Sambalpur and 5 km away from Rengali has excelled in imparting the best of technical education and has become a centre for pursuits of engineering education. The strength of Silicon lies in its determination to go beyond teaching through creative learning and teamwork. The team of dedicated personnel comprising initiators, advisors, members of management, faculty & staff through their cooperative and relentless efforts has been contributing for the swift growth of the Institute.

The department of Electronics and Communication Engineering aims at producing competent and dynamic engineers to cope with the fast changing areas of Electronics and Communication Engineering.

The Department offers undergraduate course in Electronics & Communication Engineering and this course has been proved to be indispensable to industrial establishments. All laboratories are well furnished with sophisticated equipments and softwares based on latest technology.

About the Workshop

Wireless communication enables the whole population suitable for global applications. Wireless technology has gone through different phases of development since its inception. Over these years different standards in this technology have evolved out of the demands. The communication using wireless technology has replaced wired technology to enable long distance transmission particularly suitable for global applications.

Applications of wireless communication involve security systems, television remote control, Wi-Fi, Cell phones, wireless power transfer, computer interface devices and various wireless communication based projects.

Hence, it is required to study & analyse the Current Applications of Signal Processing in Wireless Communication to acquaint ourselves to recent high-speed and high-capacity wireless communication systems.

Signal processing is a fascinating area of Communication System Engineering that has rapidly developed during the past few decades resulting phenomenal advances in research fields.

This two day workshop on Applications of Signal Processing in Wireless Communication will open a discussion in the recent trends on the said area and offer a platform for dissemination of latest knowledge amongst researchers and academic professionals.

Topics for the workshop include, but not limited to

- Digital modulation and its performance.
- Propagation of signal through wireless Channel.
- SISO channel models and fading.
- Introduction to OFDM.
- BER of OFDM system in Rayleigh channel and AWGN channel.
- Introduction to MIMO.
- MIMO Channel Modelling
- Hands on practice: Wireless Channel Modelling Using MATLAB

Chairman
Prof. (Dr.) P. K. Mishra (Director, SIT, Sambalpur)

Convener
Prof. Manas Ranjan Jena, ECE

Advisory Committee
Prof. (Dr.) Enakhi Das, Dean
Prof. (Dr.) T. Thakur, HOD, BSH
Prof. M. Samal, HOD, CSE
Prof. S. Pradhan, HOD, ME
Prof. P. C. Sahu, HOD, EE
Prof. S. Patel, HOD, CE

Organizing Committee
Prof. N. K. Naik, HOD, ECE
Prof. B. K. Chaudhary, ECE

All faculty & staff members of
Department of Electronics & Communication Engineering,
Silicon Institute of Technology, Sambalpur.