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### CONTACT:

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**The Institution of Engineers (India)**

### ALL INDIA WORKSHOP

On

**Advanced Wireless Communications and its Implications**

**September 10-14, 2018**

### REGISTRATION FORM

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**The Institution of Engineers (India)**

"98 years of relentless journey towards  
Engineering Advancement for Nation Building"

### ALL INDIA WORKSHOP

ON

**"ADVANCE WIRELESS COMMUNICATION  
AND ITS IMPLICATIONS"**

on

**September 10 - 14, 2018, Chandigarh**

Organized by

**The Institution of Engineers (India)**

Punjab & Chandigarh State Centre

*Under the Aegis of*

Electronics and Telecommunication Engineering Division, IEI

In Association / Collaboration with



**BBSBEC**

**Baba Banda Singh Bahadur Engineering College,  
Fatehgarh Sahib, Punjab**

**Venue :**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**BABA BANDA SINGH BAHADUR ENGINEERING COLLEGE,  
FATEHGARH SAHIB, PUNJAB**

**ABOUT THE INSTITUTION OF ENGINEERS (INDIA)**

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 121 Centres located across the country. The Institution provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams.

For details, please see: [www.ieindia.org](http://www.ieindia.org)

**ABOUT THE BBSBEC**

Baba Banda Singh Bahadur Engineering College was established in the year 1993 at historical place of Fatehgarh Sahib under the patronage of SGPC and with the approval of Govt. of Punjab. The college is approved by AICTE, New Delhi and is affiliated to IKJ Punjab Technical Univerisity, Jalandhar. The college courses are approved by NBA and IAO. The College has earned a reputation for its quality infrastructure, experienced faculty, placements and strong alumni base.

**ABOUT THE WORKSHOP**

The main objective of this workshop is to make the people aware of the current technological advances in wireless communication especially Cognitive Wireless Networks, Software Defined Radios (SDR), 5G Network, Spectrum sharing strategies in 5G and proposed 6G networks, RF energy harvesting technology etc. As the 4G communication has rolled out, the researchers have started looking into the potential of developing next generation 5G and 6G networks. The number of wireless devices has already reached 5 billion worldwide. So, in order to maintain QoS requirements in already congested networks, researches have started looking into new paradigms for spectrum sharing models and cognitive radios based on software defined radios (SDR). The course will provide a comprehensive knowledge starting from the problem being faced by existing networks and gradually build-up the advanced self-aware cognitive networks including new wireless standards and the technological advancements offered in these systems. The duration of this workshop is 5 days, with 13 sessions of two hour each, properly divided into theory and hand on practical sessions on SDR (NI USRP).

**WHO CAN ATTEND?**

Faculty, PG students, researchers, people from Industry, research center, educational institute can participate in the workshop.

**HOW TO REGISTER?**

To attend the Seminar, kindly register before the last date by submitting your registration forms along with the registration fees in the given format.

**Last date for Registration** : **5th September, 2018**  
**Registration fees** : **Rs. 500/-**  
**Rs. 300/- for IE(I) members**

**NATIONAL ADVISORY COMMITTEE**

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