

The Institution of Engineers (India)

97 years of Relentless Journey towards
Engineering Advancement for Nation Building

All India Seminar on Futuristic Trends in Telecommunication Engineering & Telecom Panorama – Fundamentals and Evolving Technology, with Particular Reference to Smart City 5th – 6th August 2017



ORGANISED BY

The Institution of Engineers (India)
Jabalpur Local Centre

Under the Aegis of

Electronics & Telecommunication Engineering
Division Board, IEI

IN ASSOCIATION WITH

Defense Research Development Organisation.
Council for Scientific & Industrial Research.
Department of Science & Technology.
M. P. Council of Science & Technology.
MP Power Management/ Generating/ Transmission/
Poorva Kshetra Vidyut Vitran Company Ltd.
Jabalpur Municipal Corporation
West Central Railway
Jabalpur Development Authority
Bharat Sanchar Nigam Limited
Jabalpur Engineering College
Takshshila Institute of Engineering & Technology
Shri Ram Institute of Technology
M. P. Housing Board
Gyan Ganga Group of Institutions

VENUE

The Institution of Engineers (India)
Jabalpur Local Centre
Visvesvaraya Marg, Civil Lines, Jabalpur – 482001
(M.P) **Telefax:** 0761-2678929, **E-mail:**
jlc_iei@yahoo.co.in, jabalpurjc@ieindia.org

All India Seminar on Futuristic Trends in Telecommunication Engineering & Telecom Panorama – Fundamentals and evolving Technology, with particular reference to Smart City

The Institution of Engineers (India)

Jabalpur Local Center

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 this period of time it has been inextricably linked with the history of modern-day engineering.

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 120 Centres located across the country. The Institution has established R&D Centres at various locations in the country and also 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.

PREAMBLE

The telecom industry can look forward with optimism to the years ahead, thanks to healthy demand for mobility and data services. Operators are rolling out new-generation networks, and complementary technologies are further enhancing broadband. Meanwhile, a steady stream of new devices and services capable of exploiting that bandwidth is becoming available.

While current and emerging services provide tremendous value, telecom companies must maintain consumer confidence, in particular by understanding their customer trends and needs and addressing ongoing privacy and security concerns.

Due to increased practices and applications of digital networks, widespread use of the Internet, and enhanced transmission of information communication technologies, there is a need to transform the digital know-how to develop smart city. Jabalpur has been selected as Smart City by GoI. Following topics shall be covered in the seminar.

OBJECTIVES

This seminar aims at exploring Emerging technologies, to transfer knowledge and to impart special skills to those coming from the industry, Municipals Corporation colleges, utilities, various research organizations, and NGOs.

Topics: The conference is soliciting state-of-the-art research papers in the following areas of interest:

- Communication Technologies
- Network Architecture
- Optical Transport Solution
- GSM/Microwave
- IP-MPLS and NGN
- Fixed & Wireless BB
- Internet of Things (IoT)
- Radio Frequency ID (RFID)
- In building solutions IBS
- State wide area networks (SWAN)

Some more topics:

- ❖ Applications for network development
 - ❖ Automotive informatics
 - ❖ Complex-valued networks
 - ❖ Diffusion of access to ICTs
 - ❖ Digital convergence
 - ❖ ICT management for business
 - ❖ Information Communication Technologies
 - ❖ Mobile and smart devices for modern communication
 - ❖ Next generation access networks
 - ❖ Peer to peer networks for collaborative work
 - ❖ Proliferation of digital communication networks
 - ❖ Vehicular networks
 - ❖ Virtual antenna applications
 - ❖ Wireless sensor networks and location awareness.
- ### SMART CITY
- ❖ City surveillance System
 - ❖ Traffic Management System
 - ❖ Smart Parking System
 - ❖ Smart Grid
 - ❖ Utility Management System And SCADA
 - ❖ Smart Buildings
 - ❖ Critical Infrastructure
 - ❖ Command and control centres
 - ❖ Waste Water Management system
 - ❖ Emergency response system
 - ❖ Smart energy
 - ❖ City wide Wi-Fi
 - ❖ Real time traffic information

SOUVENIR & PROCEEDINGS

Souvenir & proceedings will be published on this occasion. Advertisement charges will be as under:

Inside full page	: Rs. 25,000/-
Inside half page	: Rs. 15,000/-
Inside front & Back cover page	: Rs. 30,000/-
Outside back cover page	: Rs 45,000/-
Banner (by party) in the seminar hall:	Rs. 10000/-

SPONSORSHIP

Patron	: 200000/- (6 delegates free)
Chief Sponsor	: 100000/- (5 delegates free)
Sponsor	: 75000/- (4 delegates free)
Supporters	: 50000/- (3 delegates free)
Sponsorship for Lunch	: 50000/- (3 delegates & banner display)
Sponsorship for Dinner	: 50000/- (3 delegates & banner display)
Sponsorship for High tea	: 40000/- (2 delegates & banner display)

REGISTRATION FEE

Non-Members & Sponsored Delegates	: Rs. 2500/-
Research Scholar & Students in Individual Capacity	: Rs. 500/-
Corporate Members in Individual capacity	: Rs. 1000/-
Spouse Accompanying	: Rs. 500/-

Payments: Cheques/DDs should be payable at Jabalpur and drawn in favour of "The Institution of Engineers (India), Jabalpur Local Centre."

CALL FOR PAPERS

Papers describing original research work, practical work in the field, are invited for the seminar. **The Papers must be in word 2003 format.** Papers must be no longer than 5 pages and can include a maximum of two display items and 20 references. They must also include an abstract of not more than 150 words and it should reach the Convenor, IEI Jabalpur Local Centre (M.P.) on or before 31.07.2017

NATIONAL ADVISORY COMMITTEE

CHAIRMAN

Mr. Navinchandra B Vasoya, FIE President, IEI

CO-CHAIRMAN

Dr. (Ms.) Gunnu Padmavathi, FIE, Chairman, ETDB, IEI

CONVENER

Col Rajinder Singh Malhotra, MIE

MEMBERS

Mr. S C Rudra, FIE, Vice-President, IEI & Member, ETDB

Prof. (Dr.) T. S. Kamal, FIE, Member, ETDB

Prof. (Dr.) Girish Shrikisan Mundada, FIE, Member, ETDB

Mr. B. Brahma Reddy, FIE, Member, ETDB

Mr. Debesh Patra, MIE, Member, ETDB

Er. Tarun Kumar Anand, Honorary Secretary, IEI, JLC

ORGANIZING COMMITTEE

CHAIRMAN

Mr. Virendra Kumar Sahu, FIE, Chairman,
JLC, IEI

ORGANISING SECRETARY

Mrs. Mukta Bhatele, MIE

MEMBERS

Mr. Santosh Kumar Tiwari	Member
Mr. Durgesh Kumar Parashar	Member
Mr. Vivek Ranjan Shrivasta	Member
Mr. P. C. Dubey	Member
Mr. Anil Dhope	Member
Mr. H. J. S. Bhatia	Member
Mr. M. K. Raghuvanshi	Member
Mr. Sanjay Mehta	Member
Mr. Rajinder Singh	Member
Mr. Rajeev Jain	Member
Mr. Rakesh Jain	Member
Mr. Rakesh Rathore	Ex-officio Member
Mr. K. C. Jain	Member
Mr. Laxman Das	Member
Mr. Arun Khard	Member
Mrs. Mukta Bhatele	Member
Mr. K. S. Vilku	Member
Mr. Sanjiv Verma	Member
Mr. Sanjay Verma	Member
Mr. D. S. Doneriya	Member
Mr. Vedant Shrivastava	Member

CONTACT

1. Mr. Virendra Kumar Sahu, FIE

Chairman

The Institution of Engineers (India), JLC

M. 9425866480, 9425805746, **E-Mail:** viren.sahu6958@gmail.com

2. Col Rajinder Singh Malhotra, MIE

Convener

The Institution of Engineers (India) JLC

M. 9425159302, **E-mail:** colmalurs@yahoo.co.in

3. Mr. Tarun Kumar Anand, FIE

Honorary Secretary

The Institution of Engineers (India), JLC

M. 8871507111, **E-mail:** tarun2256@gmail.com

4. Mrs. Mukta Bhatele, MIE

Organising Secretary

The Institution of Engineers (India) JLC

M. 9425144786, **E-mail:** mukta_bhatele@rediffmail.com

5. Mr. Inderpal Singh Ruprah, MIE

Co-Convener

The Institution of Engineers (India) JLC

M. 9425160137, **E-mail:** isruprah@yahoo.com

TECHNICAL ADVISORY COMMITTEE

Mr. P. V. Rajgopalan and associates

Mr. Sapan Bose

Mr. Arvind Sinha

Mrs. S. Manna

All India Seminar

on

Futuristic Trends in Telecommunication Engineering & Telecom Panorama – Fundamentals and evolving Technology, with particular reference to Smart City

REGISTRATION FORM

Name (Block Letters): _____

Designation and organization: _____

Mailing address: _____

Phone with STD Code: _____

Mobile Phone: _____

E-mail: _____ Fax _____

IEI Membership Grade & No. _____

Towards _____
Individual/Sponsorship/Co-sponsorship
Advertisement

(Please Specify) _____

Advertisement Matter Enclosed/ Follows

Amount Enclosed: Rs. _____

Cheque/DD No. _____

Bank _____

Mode of payment A/C payee cheque (Local)/ DD
(Outstation)/Cash. _____

Date: _____ Signature

Note: Cheques/DDs should be payable at Jabalpur and drawn in favour of "The Institution of Engineers (India), Jabalpur Local Centre".