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The Institution of Engineers (India)

ALL INDIA SEMINAR

On

Renewable Energy Technologies: Perspective and Challenges

November 16-17, 2018, BBSBEC, FGS & IE(I), Chandigarh

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 all India seminar on **“Renewable Energy Technologies : Perspective and
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* DD to be made in favour of **“The Institution of Engineers (India)”** payable at
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The Institution of Engineers (India)

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

ALL INDIA SEMINAR

ON

**“RENEWABLE ENERGY TECHNOLOGIES :
 PERSPECTIVE AND CHALLENGES”**

on

November 16 - 17, 2018

Organized by

The Institution of Engineers (India)

Punjab & Chandigarh State Centre

Under the Aegis of Electrical Engineering Division, IEI

In Association / Collaboration with



BBSBEC

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

Venue :

**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 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 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

ABOUT THE BBSBEC

Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab was established in the year 1993, under the patronage of Shriomani Gurudwara Prabandhak Committee, Sri Amritsar, with the approval of the Govt. of Punjab. The college was a dream project of Panth Ratan Jathedar Gurcharan Singh Tohra, ex-President of SGPC.

The college is approved by the A.I.C.T.E, New Delhi, Ministry of H.R.D, GOI and is affiliated to I.K. Gujral Punjab Technical University, Jalandhar. The college has earned third time accreditation from the NBA and International Accreditation Organization (IAO) for various programmes. BBSBEC has also been accredited by the Institution of Engineers (India).

Presently, the college runs six B.Tech Programs and five M.Tech. Programs. It is housed in a sprawling pollution-free campus of 90 acres and is located in the sacred surroundings of historic Gurdwara of Fatehgarh Sahib. The college is named after Baba Banda Singh Bahadur, a great saint and warrior, who conquered the Sirhind fort and laid to rest, the tyranny of the Mughal Empire.

It is one of the leading institutions in Engineering & Technology and is the most sought-after for admission by the students. BBSBEC has also made a significant presence in the Techno-Educational field at international level.

ABOUT THE SEMINAR

Embedded systems have come a long way since the first microprocessor was developed and nowadays are at the core of every intelligent device. The mobile phones, PDAs, washing machines, microwave ovens and all other automated electronics gadgets around us use one or the other form of embedded systems.

Wireless Sensor Networks (WSN) are widely being used for a variety of application like automatic area monitoring in military, industry and agriculture, health monitoring in remote areas, environmental disaster detection or prevention.

The seminar aims to present the research issues and challenges in WSN and to highlight the role of embedded systems in the performance of WSN.

The course shall comprise three technical sessions spanning over two days as listed below:

Session 1 : Technological advancements in Renewable Energy Sources
+ Renewable Energy Potential and Status in India.

Session 2 : Analysis of Solar Thermal power Generation.

Session 3 : Research Issues and Challenges in Renewable Energy.

Call for Papers:

All India Seminar on Recent Trends in Image Processing for AI Implementation will be held in EE seminar Hall of BBSBEC, Fatehgarh Sahib on 16-17 November, 2018. The technical seminar is focused on image processing for Artificial Intelligence Implementation.

Topics of interest include, but are not limited to:

- Hydroelectric power.
- Bio mass energy.
- The benefits of renewable energy.
- Solar power energy.
- Nuclear energy.
- Geothermal energy.
- Smart Sensors and Advanced Metering Infrastructure.
- Architectures, Control and Operation for the Smart Grid, Micro grids and Distributed Resources
- Impact of net metering with Hybrid Solar-wind Grid.
- Future on Power Electronics for Wind Turbine Systems
- Industrial Automation Control.
- Net Metering and Micro Grid.

Paper Submission:

Authors are invited to submit papers of not more than four pages for technical content including figures and references, with one optional page containing only references. Submission Instructions, templates for the required paper format, are available at www.bbsbec.edu.in.

Papers can be submitted by email to: navneet.kaur@bbsbec.ac.in.

Publication:

All accepted papers will be published in the conference proceedings. At least one author of an accepted paper is required to register at the full registration rate. If an author has got more than one accepted papers, each paper has also to be registered.

Who can attend?

Faculty, students and researchers from any educational institute, research centre or industry can participate in the seminar.

How to register?

To attend the seminar, kindly register before the last date by submitting your details as per the given format along with the registration fee

Important Dates :

Paper Submission : **October 10, 2018**
Notification of Acceptance : **October 31, 2018**
Camera-Ready Papers : **November 05, 2018**

Registration Fee :

Regular Authors : INR 2000
Full Time Student Authors : INR 1000
IEI Corporate Members : INR 750
IEI Student Members : INR 500
Extra Page Charges : INR 100/- page

The seminar registration covers seminar proceedings, kit, tea breaks and lunch. The registration doesn't cover accommodation, transportation etc.

Accommodation:

Accommodation will be provided to the outstation participants on request & first-come first-serve basis. No TA/DA shall be provided by the organizing institute. However participants may claim from their own institutions as applicable.

Dates and Venue

The Seminar will be held for two days on **November 16 and 17, 2018 at the premises of Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib.**

Payment:

All payments are to be made through crossed Demand Draft / Cheque, drawn in favour of "**The Institution of Engineers (India), Punjab & Chandigarh State Centre**", payable at Chandigarh.

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