

Preamble

A substantial fraction of the national growth of the 21st century has been derived from advances in science and technology and their applications in manufacturing, infrastructure, energy, health, environment, information and communication technologies, resource management and many other sectors through mastering the adoption, adaptation and advancement of existing technologies, as well as the creation of new ones. Innovation refers to the full range of changes, large and small, used to achieve desired outcomes and innovation often results from basic research that can lead to ground breaking discoveries and inventions. The cardinal point of importance of the conference aims at enriching and enhancing the quality of innovation research of the issues at the core of national growth through developments in the sectors of science and technology by managing those applying modern scientific management techniques and conveying them through effective and efficient communication skills. Innovations will be essential in combating the challenges which cause hindrances to National Growth. The proposed conference will put an honest attempt to meet up the expectations of the common people in developing the nation through innovations.

The Institute

Bhilai Institute of Technology initiated by few notable stalwarts of central India in 1986 has now evolved as one of the premier Technical and Management Institute of this part of the country imparting quality education and providing environment for academic research. BIT campus has a conducive and supportive academic ambience facilitating high quality education and research for about 3000 students of graduate, post graduate and doctoral programmes. Four of its undergraduate programs have been accredited once again in 2017 by the National Board of Accreditation (NBA) and the institute itself has been 'A' grade accredited by the National Accreditation and Assessment Council (NAAC) in 2017. The institute also has an installation of ISO 9001:2015. BIT is well connected through Rail network as well as Air network of the country. BIT is at about 1km distance from the Durg Railway station on Howrah-Mumbai line and is about 45 km away from the Swami Vivekananda Airport at Raipur, the capital city of Chhattisgarh state.

The Department

The Department was established right at the inception of the Institute in 1986 and is NBA accredited since 2005. It offers a vibrant environment for undergraduate, postgraduate education and research in Electrical Engineering. Faculty members along with their research scholars and students are involved in various research activities. The major areas of faculty expertise includes Control Systems and Computing, Power Systems, High Voltage Engineering, Electrical Machines and Drives, Power Electronics, Instrumentation, Digital Signal Processing, Communication Systems and Optimization. It is well equipped with modern laboratory facilities and balanced emphasis is laid on both theory and experimental work.

Conference Objective

The conference aims to provide a platform for researchers, academicians, scientists, industrial practitioners and students to exchange and share their research accomplishments, achievements and new ideas on the contemporary and emerging trends in the field of Sustainable Energy Research and Applications. The event will provide a forum for the exchange of knowledge, expertise and experience; and the absorption of these ideas in academic curriculum and industrial practices. It is therefore intended to assist researchers, scientists, manufacturers, companies, communities, agencies, associations and societies to keep abreast on new developments in their specialities and to unite in finding alternative energy solutions to current issues such as the greenhouse effect, sustainable and clean energy issues.

Themes and Sub Themes

The theme of the conference is "Sustainable Energy Research and Applications for National Development". Topics include but not limited to:

- Renewable Energy Systems and new perspectives
- New trends and Technologies in Energy Management
- Control Techniques for Renewable Energy Systems
- Energy Transformation from Renewable Energy System to Grid
- Power Devices and Driving Circuits
- Grid Interactive Systems
- Sustainable Energy Research and Applications for Industries
- Sustainable Energy for Electrical Vehicles and Components
- Artificial Intelligence Computational Methods for Sustainable Energies and Applications
- Smart Grids and Sustainable Energy

BITCON 2018

*Frontiers in Science, Technology &
Management for National Development*

NATIONAL CONFERENCE ON Sustainable Energy Research and Applications for National Development

*Conducted By
Department of Electrical
Engineering*

15th February 2018

REGISTRATION FORM

Name :

Designation :

Organization :

Mailing Address :

Mobile :

E-mail :

Phone :

Details of Registration Fees:

DD Drawn on:
Amount (in Rs.):
Demand Draft No. :
Date:

Date:
Place: **Signature of Applicant**

The applicant is sponsored for the conference. He/She is permitted to attend the conference.

Date:
Place: **Signature and Seal of
Sponsoring Authority**

Chief Patrons

Shri Vijay Kumar Gupta	Chairman (Governing Body), BIT Trust
Shri I.P. Mishra	Ex-GM, Bhilai Steel Plant & Member Secretary, BIT Trust

Patron

Dr. Arun Arora	Principal, BIT, Durg.
-----------------------	-----------------------

Co-ordinator

Dr. M.V. Padmavati	Dean (R&D), BIT, Durg.
---------------------------	------------------------

Advisory Committee

Dr. M.K. Verma	Vice Chancellor, CSVTU, Bhilai
Dr. N.P. Dixit	Vice Chancellor, Durg University
Dr. R.P. Dubey	Vice Chancellor, CVRU, Bilaspur
Dr. Deepankar Choudhary	Professor, IIT Mumbai
Dr. R.L. Shrivastava	Professor, YCCE Nagpur
Dr. K.K. Ghosh	Professor, RSU Raipur
Dr. S.P.S. Rajpoot	Professor, MNIT Bhopal
Dr. G.V.V. Sharma	Professor, IIT Hyderabad
Dr. Deepak Garg	Professor, Bennett University, Noida
Dr. Tassanee Prueksasit	Professor, Chulalongkorn University, Thailand
Dr. S.K. Ganguly	Dean (Quality Management), BIT, Durg
Dr. Manisha Sharma	Dean (Academics), BIT, Durg
Dr. Mohan Gupta	Dean (Infrastructure Development), BIT, Durg
Dr. Santosh Kumar Sar	Dean (Students Welfare), BIT, Durg
Dr. Anup Mishra	Dean (Administration), BIT, Durg

Coordinating Committee

Dr. Manoj Pal	Mr. Vikas Pandey
Dr. Surekha Bhusnur	Mr. Pawan Patnaik
Dr. Sumita Nair	Mr. Prashant Sahu
Dr. Anjana Shekhar	Dr. Sheetal Sharma
Mr. Amit Kumar Biswas	Dr. Anindita Chakraborty
Dr. Naveen Dewangan	Mrs. Monika Verma
Dr. G.C. Biswal	Mr. Hitesh Sharma

Convener

Dr. (Mrs.) Anupama Huddar	HOD (Electrical Engineering)
----------------------------------	------------------------------

Organizing Secretary

Dr. (Mrs.) Archana Gupta	Professor, EE
---------------------------------	---------------

Organizing Committee

Dr. (Mrs.) Shashwati Ray	Mr. J. Panigrahi
Dr. S.P. Shukla	Mr. G. Shankar
Dr. S.K. Sahu	Ms. Jyotsana Kaiwart
Dr. N. Tripathi	
Dr. (Mrs.) S. Tripathi	
Dr. G.C. Biswal	
Ms. Uma P. Balaraju	
Mr. Alok Kumar	
Mr. G. Sharma	
Ms. Shraddha Kaushik	

Important Dates

Submission of full length papers	: 25 th January 2018
Intimation of acceptance deadline	: 30 th January 2018
Receipt of registration fees	: 5 th February 2018

Registration Fees

Research Scholar/PG student	: Rs. 500/-
Faculty Member	: Rs. 800/-
Professional from Industry	: Rs. 1000/-

1. All the payments should be made by a crossed Demand Draft in favor of "Bhilai Institute of Technology" payable at "Durg".

2. NEFT or at Bank Counter

Beneficiary Account Number : 32471126372

Beneficiary Name : Bhilai Institute of Technology, Durg

Bank : State Bank of India, Sector-10, Bhilai

Address : Alka Departmental Stores, Sector-10, Bhilai (C.G.)

IFSC Code : SBIN0006942

(No TA/DA will be paid from the Institute)

Address for Correspondence

Dr. (Mrs.) Archana Gupta

Professor

Department of Electrical Engineering,
Bhilai Institute of Technology, Bhilai House, Durg
Chhattisgarh, Pin: 491001

Mobile: +917869210851

Email id: archana.gupta@bitdurg.ac.in

Eligibility

Academicians, Consulting Engineers, R&D Institutes, Government Departments and Agencies, Private Companies, Research Scholars and P.G. Students.

Call for Papers

All accepted papers will be published in UGC indexed Journals. Prospective authors are requested to submit their full papers in MS Word format by E-mail to the addresses of correspondence. Please find the attached template for further preparation of manuscript at www.bitdurg.ac.in/bitcon2018.

BITCON 2018

*Frontiers in Science, Technology &
Management for National Development*

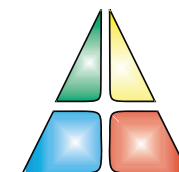
NATIONAL CONFERENCE ON Sustainable Energy Research and Applications for National Development

15th February 2018



Organized By

*Department of Electrical
Engineering*



ASPIRE TO EXCEL

BHILAI INSTITUTE OF TECHNOLOGY, DURG

(Seth Balkrishan Memorial)

Accredited with 'A' Grade by NAAC

NIRF 16-17 RANK-BAND: 151-200

An ISO 9001:2015 CERTIFIED INSTITUTION

BHILAI HOUSE, DURG 491001 (C.G) INDIA

PHONE: (0788) 2359297, 2359163, 2359424

FAX: (0788) 2329263

WEBSITE: <http://www.bitdurg.ac.in/bitcon2018>

