

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

Vision of Department of Applied Physics is to meet the diverse needs of an international learning community and contribute to society and its economic development through research, excellent teaching and high quality student support.

The department was conceived in the year 1986 along with the inception of the Institute. Our mission is to impart quality education to the students and to let them feel that Physics is the father of all Science and Engineering and to provide the best fundamental and applied research results to the scientific and engineering communities to enable the development of Knowledge-based and technology based industries. The department offers Ph.D. in various specializations of the discipline. The backbone of the department is quality research, experienced faculty members and latest infrastructure.

Conference Objective

The National Conference on Advanced Materials and Nanotechnology aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results about all aspects of Advanced Materials and Nanotechnology. It also provides the premier interdisciplinary forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns, practical challenges encountered, and the solutions adopted in the fields of Materials Synthesis and their characterization. The scope of this conference is to capitalize on immensely growing field of advanced materials, drawing in experts from across national academic community as well as industry to bridge the gap between industry and academia. The evolution of advanced materials has brought researchers working in close collaboration with other scientific and engineering disciplines as well as with materials scientists and industrialists. This conference is an effort towards bringing together such diverse specialists to understand the requirements of multidisciplinary field and work together efficiently.

Themes and Sub Themes

- Advanced Materials
- Thin Films
- Material Science
- Nanoscience and Nanotechnology
- Phosphors & Luminescent Materials
- Photoconductive Materials
- X-Ray Diffraction (XRD)
- Transmission Electron Microscopy (TEM)
- Scanning Electron microscopy (SEM)
- Fabrication, Characterization & Tools
- Nano Application

BITCON 2018

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

NATIONAL CONFERENCE ON Advanced Materials and Nanotechnology

*Conducted By
Department of Applied Physics*

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.) Ruby Das	HOD (Applied Physics)
----------------------------	-----------------------

Organizing Secretary

Dr. Raunak Kumar Tamrakar	Assistant Professor
----------------------------------	---------------------

Organizing Committee

Dr. Samit Tiwari
Mr. C. S. Robinson
Dr. Rajesh Lalwani
Mr. Prashant Kumar Sahu

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.) Ruby Das,

Professor,

Department of Applied Physics,

Bhilai Institute of Technology, Durg, (C.G.) 491001

Mobile No.: 9827490415, 9522073223

Email: bitcon18phy@gmail.com

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*

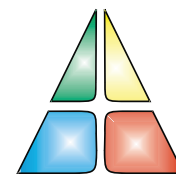
NATIONAL CONFERENCE ON Advanced Materials and Nanotechnology

15th February 2018



Organized By

Department of Applied Physics



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>

