

Preamble

At the moment, Corona virus (Covid-19) is throwing new challenges to scientific community. This global pandemic has brought Nations together to find a solution. New solutions are coming up continuously to combat the current challenges. In this situation BIT, Durg stands strong with the institute Motto “Aspire to Excel”.

The streamed conference is the need of present situation with the cardinal point of importance of the conference aiming at exploring New Horizons in Science, Technology and Management to Combat Current Challenges through innovative research. 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. This will be essential in combating the ongoing challenges which cause hindrances to National Growth.

The proposed online conference will make an honest attempt to meet up the expectations and may become a viable option to take a way forward towards “ATMA NIRBHAR BHARAT”.

The Institute

Bhilai Institute of Technology initiated by notable stalwarts of central India in 1986 with a vision to become one of the Premier Technical and Management Educational Institutions in the Country, delivering excellent professional education, creating value based, globally competitive professionals and achieving excellence in all our endeavors.

BIT campus has a conducive and supportive academic ambience facilitating high quality education and research for more than 4000 students of bachelors, masters and doctoral programs. BIT, Durg is the first technical institute in the state to be conferred Autonomous Status by UGC, Government of India. Seven of its undergraduate programs have been accredited by NBA and the institute itself has been “A” grade accreditation by NAAC. The institute stands in NIRF 2020 Rank-band: 251-300 in the category of Engineering. Under AICTE Margdarshan Scheme, the institute is mentoring ten technical institutions to encourage best practices.

The Department

The department was conceived in the year 1986 along with the inception of the Institute with an aim to provide scopes to build the foundation stones for higher studies in Engineering and other allied fields. The laboratories are well equipped with modern experimental and computational facilities. The R&D lab has been recognized as first approved research centre in applied Physics for Ph.D. programme by CSVTU, in Chhattisgarh state. Learned faculty members act as an author and a reviewer in reputed international and national journals and their project work are supported by CCOST and UGC-DAE Consortium for Scientific Research. Through scientific and technical excellence, they are committed towards enhancing the Nation's ability to compete globally.

Conference Objective

In the current dynamic and competitive environment, R&D plays a critical role for regional as well as for national economic development. Nowadays science and technology ever seek to build structures of progressively smaller size. This effort at miniaturization has now reached the point where structures and material can be built through “atom-by-atom” engineering. New materials hold the key to fundamental advances in energy conversion and storage. The synthesis and characterization of these materials are important. The conference is expected to provide an interactive platform to the researchers and the industry. It is the 8th in its series of national conference organized by BIT, Durg. The conference consists of invited talks and contributed papers on the focal theme as well as in allied areas to promote research & education in Physics and to create awareness about new innovations among concerned students, research scholars & teachers.

Themes and Sub Themes

The theme of the conference hosted by Department of Physics would be “New Horizons in Advanced Materials Development and Their Characterization to Combat Current Challenges” in tune with the main theme “New Horizons in Science, Engineering and Management to Combat Current Challenges” but not limited to.

- Nano structured Materials / Novel Synthesis
- Semiconductors / Thin Films / Composites
- Materials Science / Materials Characterization
- Magnetic Materials / Dielectric Materials
- Nanotechnology / Phosphors for Solar Cell
- Luminescent Materials / Nano Phosphors
- Optical Properties of Nano Materials
- Quantum Dots and Wires
- Biomaterials and Sensors

BITCON 2020

New Horizons in Science, Engineering and Management to Combat Current Challenges

**NATIONAL CONFERENCE
ON**

**New Horizons in Advanced Materials
Development and Their Characterization to
Combat Current Challenges**

*Conducted By
Department of Physics*

20th November 2020

REGISTRATION FORM

Name :

Designation :

Organization :

Mailing Address :

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	<i>Chairman (Governing Body), BIT Trust</i>
Shri I.P. Mishra	<i>Ex-GM, Bhilai Steel Plant & Member Secretary, BIT Trust</i>

Patron

Dr. Arun Arora	<i>Principal, BIT, Durg.</i>
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Co-ordinator

Dr. M.V. Padmavati	<i>Dean (R&D), BIT, Durg.</i>
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Advisory Committee

Dr. M.K.Verma	Vice Chancellor, CSVTU, Bhilai
Dr. R.P. Dubey	Vice Chancellor, CVRU, Bilaspur
Dr. R.P. Vasani	Director, SAL Technical Campus, Ahmadabad
Dr. R.L. Shrivastava	Professor, YCCE Nagpur
Dr. G.V.V. Sharma	Professor, IIT Hyderabad
Dr. Souradyuti Paul	Professor, IIT Bhilai
Dr. Deepak Garg	Professor, Bennett University, Noida
Dr. Dilip Singh Sisodia	Professor, NIT Raipur
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 Sar	Dean (Student Welfare), BIT, Durg
Dr. Anup Mishra	Dean (Administration), BIT, Durg

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Dr. Surekha Bhusnur	Dr. Pawan Patnaik
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Dr. Anindita Chakraborty	

Convener

Dr. (Mrs.) Ruby Das

Organizing Secretary

Dr. Samit Tiwari

Organizing Committee

Prof. C. S. Robinson
Dr. Rajesh Lalwani
Dr. Prashant Sahu
Dr. Raunak Tamrakar

Important Dates

Submission of full length papers : 31st October 2020
Intimation of acceptance deadline : 07th November 2020
Receipt of registration fees : 15th November 2020

Registration Fees

Research Scholar/PG student : Rs. 500
Faculty Member : Rs. 800
Professional from Industry : Rs. 1000
UG Student : Rs. 200

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

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

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Email: bitcon20phy@gmail.com

Eligibility

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

Call for Papers

Selected 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/bitcon2020.

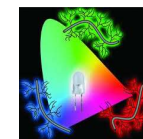
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*Organized By
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ASPIRE TO EXCEL

BHILAI INSTITUTE OF TECHNOLOGY, DURG

(Seth Balkrishan Memorial)

BHILAI HOUSE, DURG 491001 (C.G) INDIA

1st Autonomous Technical Institution in Chhattisgarh

Accredited with 'A' Grade by NAAC

NIRF 2020 RANK-BAND: 251-300

Website: <http://www.bitdurg.ac.in/>

Phone: (0788) 2359297

Conference Website: <http://www.bitdurg.ac.in/bitcon2020>

