

# INTERNATIONAL CONFERENCE ON ADVANCED ENGINEERING FUNCTIONAL MATERIALS

NEXT MEETUP | 21.9.2017-23.9.2017 | 9:00 AM



**Abstract and full paper (IOP FORMAT) date extended upto 5th Sept 2017**

**Jointly Organised: Gandhi Group of Institution and Biju Patnaik University of Technology, Odisha**

## About The Conference

International Conference on Advanced Engineering Functional Materials (ICAEFM 2017), will be held in Bhubaneswar GANDHI INSTITUTE FOR TECHNOLOGICAL ADVANCEMENT(GITA), AT: BADARAGHUNATHPUR,P.O. : MADANPUR, By the side of NH-5, JANLA, BHUBANESWAR-752054,Odisha, India during 21st – 23rd, Sep 2017. The Conference will be organized by Biju Patnaik University of Technology and Gandhi Group of Institution (GGI).

The ICAEFM 2017 offers a track of quality R & D updates from experts and provides an opportunity, in bringing at the new techniques and horizons that will contribute Biomaterials Electronics, Energy materials, Materials of Industrial Waste, Nanomaterials, Polymers, Alloys, Blends, Biofertilizers, Metal-Organic frame work, for potential applications, Composites, High Temperature Processing Materials, etc. Such selected papers will be reviewed by Experts and selected papers will be published in reputed International Journals. Both academia and Industries are invited to present their innovative work dealing with state-of-art research and future development.

The Biju Patnaik University of Technology (BPUT), Orissa took its birth in the year 2003 with laying of foundation stone on the auspicious hand of Late Dr A.P.J Abdul Kalam, honorable president of India. Its head-quarters in Rourkela came into being in November 2002 through an act of the Government. Today, the University has 158 colleges, both constituent and affiliated, with around 58,000 students. The disciplines include engineering and architecture, business management and hotel management, computer studies and pharmacy. Several of these offer undergraduate, post graduate and PhD studies. The university believes in "Think Good, Do Good, and Be Good". The dynamic model adopted in the university to growing towards its goal for quality in technical education and also provides a true platform to students for quality learning the big-Dream of the university along with the qualified faculty member; skilled staff and excellent infrastructure make the university the most sought for place of technical education.

• BROUCHER SOFT COPY

## OUR SPONSORS



## OUR SPEAKERS



## SPEAKERS

Prof. K. Kaneto, JAPAN  
Prof. B. Adhikari, IIT Kharagpur  
Prof. D. Pandey, IIT BHU, Varanasi  
Prof. B. K. Dindhaw, IIT BBS  
Prof. A. Dash, USA  
Prof. P. V. Kamat, USA  
Prof. P. Zju, USA  
Prof. L. Hung, Denmark  
Prof. T. Scimd, USA  
Prof. Maria, USA  
Prof. S. Muri, JAPAN  
Prof. S.-M. Chen, Taiwan  
Prof. W. M. M. Baumann, German  
Prof. M. T. Cortés, German  
Prof. E. Vargas, German  
Prof. K. S. V. Santhanam, New York  
Prof. W. Takashima, Japan  
Prof. R. Prakash, IIT BHU, Varanasi  
Prof. P. Maiti, IIT BHU, Varanasi  
Prof. K. R. Justin Thomas, IIT Roorkee  
Prof. K. K. Roy, IIT Kharagpur  
Prof. T. K. Pal, Jadavpur University  
Prof. S. Banerjee, IIT Kharagpur  
Dr. S. K. Singh, IMMT BBSR  
Prof. K. Biradha, IIT Kharagpur  
Prof. B. B. Khatua, IIT Kharagpur  
Prof. S. B. Majumdar, IIT Kharagpur  
Prof. D. Pradhan, IIT Kharagpur  
Dr. P. Pradhan, IIT Kharagpur  
Dr. N. C. Pradhan, IACS Kolkata  
Prof. S. K. Sharm, IIT Mandi  
Prof. M. Bhattacharyya, IIT Kharagpur  
Prof. B. Radha, IIT Kharagpur  
Prof. P. Banerji, IIT Kharagpur  
Prof. D. Gupta, IIT Bombay  
Prof. C. Jacob, IIT Kharagpur  
Prof. V. Kumar, IIT Delhi  
Prof. R. Ranjan, IISc Bangalore  
Prof. D. Desi Raju, UK  
Dr. S. Mohanty, CIPET BBSR  
Prof. P. K. Sahoo, Utkal University  
Prof. H. K. Panda, DIET, Pune

## Site Visits For Delegates



## CONFERENCE COMMITTEE

### Chief Patron

Dr. Satya Prakash Panda, Chairman GGI  
Dr. Chandra Dhwaia Panda, Secretary, GGI  
Dr. Jagdish Chandra Panda, Vice-Chairman GGI

### Patron

Dr. M. Muralidhara Rao, Principal GIET  
Dr. N. V. J. Rao, Dean, GIET

### Convener

Dr. Muktikanta Panigrahi, GGI

### Co-Convener

Dr. R. G. Rao

### Mentor

Dr. R. R. Dash, Dean R & D GIET  
Dr. R. I. Ganguly, Research Professor, GIET  
Dr. A. V. N. L. Sharma, GIET  
Dr. A. K. Senapati, GIET

## INTERNATIONAL ADVISORY BOARD

Prof. Yi Chi, USA  
Prof. Michael C. Forde, UK  
Masayusa Ohtsu, Japan  
Prof. Soren, Israel  
Prof. Alekh Ku Dash, USA  
Prof. P. V. Kamat, USA  
Prof. P. Zju, USA  
Prof. Lie Hung, Denmark  
Prof. T. Scimd, USA  
Prof. Maria, USA  
Prof. Sapo Muri, JAPAN

## NATIONAL ADVISORY BOARD

Prof. Basudam Adhikari, IIT Kharagpur  
Prof. Parth Pratim Chakraborty, IIT Kharagpur  
Prof. Dhananjay Pandey, IIT (BHU), Varanasi  
Prof. R. V. Rajakumar, IIT Bhubaneswar  
Prof. D. C. Panigrahi, ISM Dhanbad  
Dr. B. K. Das, ITR Chandipur, Balasore  
Prof. S. K. Nayak, CIPET BBSR  
Dr. Balasubramanian, NFTDC Hyderabad  
Prof. B. K. Mishra, IMMT BBSR  
Prof. Ranjit Kumar Sahoo, NIT Rourkela  
Prof. Vadapalli Chandrasekhar, NISER, BBSR  
Prof. K. K. Roy, IIT Kharagpur  
Prof. Munesh Chandra Adhikary, FMU  
Prof. N. Mishra, Utkal University

For abstract format & more details logon to our website

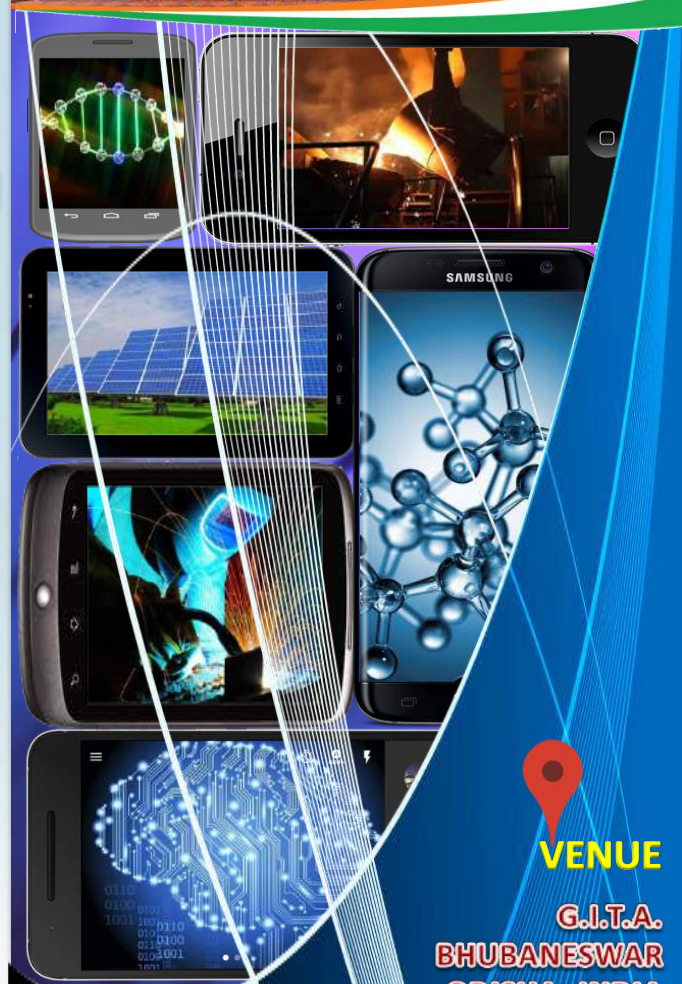
<http://www.icaefm17.giet.edu>

Email: [icaefm17@gmail.com](mailto:icaefm17@gmail.com)

# ICAEFM 2017

## INTERNATIONAL CONFERENCE ON ADVANCED ENGINEERING FUNCTIONAL MATERIALS

21<sup>st</sup> - 23<sup>rd</sup> September, 2017



VENUE

G.I.T.A.  
BHUBANESWAR  
ODISHA, INDIA  
JOINTLY  
ORGANIZED BY

Biju Pattnaik University Of  
Technology (BPUT)

GANDHI GROUP OF INSTITUTIONS (GGI)

## GANDHI GROUP OF INSTITUTIONS

The history of growth and development of the institution is an account of the ardent zeal and dedicated endeavor of the educationalist of Gunupur Prof. (Dr.) Satya Prakash Panda, for the spread of technical education in Odisha. GGI has a thriving and vibrant population of students on its campus in the Odisha state of India that has created a unique community atmosphere encouraging serious study and personal development. Gandhi Group of Institutions (GGI) is a part of Vidya Varati Educational Trust and is established in 1996 which is a non-governmental organization at Gunupur in Rayagada district in the state of Odisha (south-region). The first institute of GGI is GIET. GIET established in 1997 and started its academic program with only 05 departments, 200 students and 30 teachers. GIET is under Vidya Varati Trust and the name of founder is Prof. (Dr.) Satya Prakash Panda. GIET is approved by AICTE, New Delhi, India and affiliated to Biju Pattnaik University of Technology Government of Odisha. It has also got approved from AICTE for admission of foreign nationals and PIO's. GIET is now under consideration for the status of the university with potential for Excellence by the UGC. GIET is an ISO 9000:2000 certified institute for maintaining its quality technical education. The National Board of Accreditation (NBA) AICTE, Govt. of India has accredited five BTech branches and also accredited NAAC "A" certificate. The Institute has recognized by DSIR (Govt. of India) as an institution for quality Research. GIET is steadily moving towards fulfilling its vision that a becoming a global leader in technical and professional education, with the mission to impart futuristic and comprehensive educational standard with a high sense of discipline and social relevance in a serene and invigorating environment. Starting from this modest beginning, the Institute has expanded today to have four organizations. These are Gandhi Institute of Engineering and Technology (GIET), Gandhi Institute of Management studies (GIMS), Gandhi Institute of Biological Studies (GIBS), Gandhi Public School (GPS). BTech, MSc, MTech, MBA are offered in different branches of engineering Science, and management through various departments. The Institute is laid out 65 acres. There are about 400 faculty, 600 non-teaching staffs and 6000 students on the campus. In addition, Gandhi Institute for technological Advancement (GITA) is well known name in the field of Technical Education. Founded in 2004 and situated at Bhubaneswar and the college is a part of the famous Vidya Bharati Educational Trust – founder of the famed GIET, Gunupur. It has approved by AICTE and affiliated by BPUT, Odisha. It is also accredited by NAAC "A" grade, NBA and approved DSIR as SIRO. The Institute offered BTech, MSc, MTech, MBA and MCA course.

## DEPARTMENT OF METALLURGICAL ENGINEERING

Metallurgical Engineering Department at GIET Gunupur was established in 2009 for teaching and research in various materials. The department imitates research facilities were funded from NALCO BBSR, Shyam Ferro-alloy, AICTE and Ministry of Mines, Government of India through sponsored R & D grants. The department has acquired various sophisticated processing, test and analytical equipment through the above funding agencies and that are required for the basic and applied research on metal-matrix composites (MMCs), polymer, ceramics, etc. the department has strong interaction with industries for research. The faculty of our department acts as consultant to above industries. Patenting, technology development and technology transfer are a strong forte of the department. The start of the art research programme is focused on the development of new materials and products, novel processing technologies, alloys, composites, polymers, ceramics, reinforced concrete, dielectrics and insulator, biopolymer, etc. Significant numbers of the department are involved in working with multi-disiplinary areas created by the institute. The department offers four year BTech programme and Materials Science and Engineering course in inter-departments covering various aspects of polymeric materials, magnetic materials, optical materials, composite materials mechanical behaviour of materials, ceramic materials, semiconducting materials, superconducting materials, corrosion materials to work on goal oriented research from very fundamental aspects to technology development. There are 30 students on the average per year and some faculties are presently working towards their PhD degree (registered different universities across India).

## THE INTERNATIONAL CONFERENCE

International Conference on Advanced Engineering Functional Materials (ICAEFM 2017) will be held in Bhubaneswar GITA, Odisha, India during 21<sup>st</sup> – 23<sup>rd</sup>, Sep 2017. The Conference will be organized by Gandhi Group of Institution (GGI). The ICAEFM 2017 offers a track of quality R & D updates from experts and provides an opportunity, in bringing at the new techniques and horizons that will contribute Biomaterials Electronics, Energy materials, Materials of Industrial Waste, Nanomaterials, Polymers, Alloys, Blends, Biofertilizers, Metal-Organic frame work, for potential applications, Composites, High Temperature Processing Materials, etc. Such selected papers will be reviewed by Experts and selected papers will be published in repute International Journals. Both academia and Industries are invited to present their innovative work dealing with state- of- art research and future development.

## TOPICS

Energy Materials  
Electronic Martials  
Actuator and Sensor Martials  
Opto-electronic Materials  
Magnetic and Superconducting Materials  
Biomaterials  
Organic materials for Medicinal Applications  
Polymeric Materials  
Metal-Organic frame works  
High temperature Materials  
Metal-Matrix Composite  
Solid waste Materials  
Nuclear Materials  
Hydrophobic and Oliophilic Materials  
Biofertilizers  
Nano-coated Fertilizers  
Nutrient's Managements  
Bioremediation of heavy metals  
Nanofluids  
Biomimetic  
Robotics and Mechatronics  
Embedded systems and Electronics  
Mechanical Design  
Sustainable and composite Materials  
Mechanics of structural Materials  
Environmental Competitive Materials

## REGISTRATION FEES FOR DELEGATES

Delegates	Redg. Fees (Before 1 <sup>st</sup> July 2017)	Redg. Fees (After 1 <sup>st</sup> July 2017)
Students (B.Tech/M.Sc)	Rs. 1000/-	Rs. 1500/-
M.Tech/PhD Scholars	Rs. 2500/-	Rs. 3000/-
Faculty	Rs. 3000/-	Rs. 4000/-
Scientists	Rs. 5000/-	Rs. 6000/-
Foreign Delegates	300 USD	350 USD

Accompanying person: Rs.1000/- (India) and 100 USD (Abroad)

Registration fees includes the conference kit, proceeding, pen, pad, accommodation, Breakfast, Lunch, snacks, Dinner and high tea (during conference running the sessions)

### Important Dates

Last date for receipt of Abstracts: 31<sup>st</sup> Mar 2017  
Intimation of acceptance of Abstract: 30<sup>th</sup> May 2017  
Intimation of submission of full paper: 30<sup>th</sup> Jun 2017  
Full paper acceptance notification: 10<sup>th</sup> Aug 2017  
Registration (start): 30<sup>th</sup> June 2017 - 10<sup>th</sup> Aug 2017  
After Registration: Accommodation on paying basis  
Date of Conference: 21<sup>st</sup> - 23<sup>rd</sup>, Sep 2017