

## Welcome to Bhubaneswar Engineering College



**BHUBANESWAR ENGINEERING COLLEGE (BEC)** is a Co-Educational Institution specializing in Engineering and Technology under Koustuv Group of Institutions is to serve as a source of highest learning with the objective of taking the light of knowledge to the depths of darkness, enriching the deprived by serving them with learning which is the greatest of the world's resources.

**BHUBANESWAR ENGINEERING COLLEGE (BEC)** was established in 2008 and is being managed by Nabakalebar Charitable Educational Trust with the mission to "create engineering minds capable of mastering the global challenges of tomorrow's technology". The Institute is approved by the All India Council for Technical Education (AICTE) under MHRD, Govt of India and is affiliated to Biju Patnaik University of Technology (BPUT). The lush green campus comprises of 27.5 acres of land and located at the picturesque about 4 kms from international Airport Bhubaneswar. The Institute has grown by leaps and bounds under the able leadership of the founder Er. N.K. Mallick, Patron-in-Chief, Er. Prabhat Ranjan Mallick, Chairman KGI and Er. Alok Ranjan Mallick, Vice Chairman KGI & Chairman BEC.

About 1500 students are studying in various disciplines of B.Tech (Mech, Civil, EEE, ENTC, CSE, Aeronautical Engineering) M.Tech (CSE) and MBA including 2nd shift Diploma in Engineering (Mech, Civil) at BEC. The entire campus is equipped with 24x7 Wi-Fi connection, Lawn Tennis court, Basket Ball court, Swimming Pool, Cricket ground, Paragliding, Gymnasium with a plethora of eco-friendly zone where man and nature coexist in a rare ambiance away from the dust and grime of city life.



*Invitation*

## INTERNATIONAL CONFERENCE

**Frontiers in Intelligent Computing  
Theory and Applications  
(FICTA 2013)**

**14-16 November, 2013**

### Venue

Conference Hall  
Bhubaneswar Engineering College  
Gramadiha, Gangapada, Bhubaneswar  
Odisha, India, Pin-752054

**An Initiative & Organized By  
Bhubaneswar Engineering College, Bhubaneswar**

(Affiliated to BPUT, Odisha and Approved by AICTE, New Delhi)

You are cordially invited to attend the inaugural Function of

**FICTA -2013**

On 14th Nov, 20123 at 10.30 A.M

Chief Guest

**Dr. S. K. Patnaik**

Director, RIFD, AICTE, New Delhi

Guests of Honour

**Dr. Neem Hanoon**

MMU, Malaysia, Dept. of Electrical Engineering

**Dr. K.P.N. Murthy**

Director, Center for Integrated Studies, UOH

**Dr. Partha Sarkar**, Director Curriculum, BPUT, Odisha

Guests of Honour (Closing Ceremony)

**Dr. P. K. Patra**, CET, Ghatikia, Bhubaneswar, Odisha

**Dr. Sateesh Pradhan**, Utkal University, Bhubaneswar

Conference General Chairs

**Dr. P. N. Suganthan**, NTU Singapore

**Dr. Swagatam Das**, ISI, Kolkata

Conference Steering Committee Chair

**Dr. B. K. Panigrahi**, IIT, Delhi

Program Chairs

**Dr. S. C. Satapathy**, ANITS, Vizag

**Dr. S. K. Udgata**, UOH, Hyderabad

Organizing Chair

**Dr. B. N. Biswal**, Director (A & A) BEC

Patron

**Er. Alok Ranjan Mallick**, Chairman BEC, Bhubaneswar

Chief patron

**Er. Prabhat Ranjan Mallick**, Chairman, KGI, Bhubaneswar

Key Note Speakers

**PROF. M. SURENDRA PRASAD BABU**

Chairman, BOS in Dept. of CS & SE, AU

**Dr. K. K. Mohapatra**, Prof. Department of ECE, NIT, ROURKELA

**Dr. Neem Hanoon**, MMU, Malaysia, Dept. of Electrical Engineering

**Dr. Debi Prasad Das**, Sr. Scientist, IMMT, Bhubaneswar

Program Schedule (FICTA2013)

Date	Time	Event
14.11.2013	9.00 am to 10.30 am	Registration
	10.30 am to 11.30 am	Inauguration
	11.30 am to 11.45 am	Hi-Tea
	11.45 am to 1.15 pm	Keynote Address-1
		Lunch Break
	2.00 pm to 3.30 pm	Keynote Address-2
	3.30 pm to 5.00 pm	Keynote Address -3
	2.15 pm to 5.00 pm	Parallel Technical Sessions
		Technical Session-1
		Technical Session-2
	Technical Session-3	
15.11.2013	9.30 am to 11.00 am	Keynote Address-4
	11.00 am to 11.15 am	Tea Break
	11.15 am to 1.00 pm	Keynote Address-5
	9.30 am to 1.00 pm	Parallel Technical Sessions
		Technical Session-1
		Technical Session-2
		Technical Session-3
		Lunch Break
	1.00 pm to 4.00 pm	Parallel Technical Sessions
		Technical Session-1
	Technical Session-2	
	Technical Session-3	
	Closing Ceremony (4pm)	
16.11.2013		Local Site Visit
		Cultural Events by the students of BEC



(FICTA -2013)

### Registration

Authors willing to present the papers and non author delegates willing to attend the event are required to register by filling up the registration form attached with the brochure or online at: [www.becbbsr.ac.in](http://www.becbbsr.ac.in).

Registration

For students: Rs. 1000/-

For faculty Rs. 1000.00

Additional Authors Rs3000.00 for participation.

(Fee can be paid either by cash or DD/cheque payable to **BHUBANESWAR ENGINEERING COLLEGE**)

### Registration Form

Name of the candidate:

Please tick. (Teacher/Student) :

Name of the University:

Department:

Address for Communication:

Mobile No:

E-mail:

Details of Regd. Fee including paper

Presentation:

Food Detail: Please Tick (VEG/NONVEG):

PLACE:

DATE:

SIGNATURE

### Target Audience:

Faculty members, researchers, industry participants, along with Students having good academic background from the department of AERONAUTICAL, MECH, CIVIL, CSE&IT, ETC , EEE, can attend the International Conference..

### Program Schedule (FICTA2013)

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Registration

Inauguration

Hi-Tea

Keynote Address-1

Lunch Break

Keynote Address-2

Keynote Address -3

Parallel Technical Sessions

Technical Session-1, Technical Session-2, Technical Session-3



(FICTA -2013)

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Parallel Technical Sessions

Technical Session-1, Technical Session-2, Technical Session-3

Lunch Break

1.00 pm to 4.00 pm

Parallel Technical Sessions

Technical Session-1, Technical Session-2, Technical Session-3

Closing Ceremony (4pm)

16.11.2013

Local Site Visit

Cultural Events by the students of BEC

### Travel & Accommodation

Bhubaneswar Engineering College will provide the transportation facility for all the participants attending the Conference from Airport, Railway Station and Bhubaneswar Baramunda Bus stand. Outsiders requiring accommodation must send prior intimation before two weeks of the program so that confirmation would be sent.

### How To Reach BEC



### Address for correspondence

Organizing Secretary, FICTA-2013

Bhubaneswar Engineering College

Grama Diha, Gangapada, Bhubaneswar – 752054

Phone: 06755- 211540

Help Desk : 9437088215, 9437090875, 8895263611

[www.becbbsr.ac.in](http://www.becbbsr.ac.in)

[www.ficta.in](http://www.ficta.in)

## INTERNATIONAL CONFERENCE

ON

## Frontiers in Intelligent Computing: Theory and Applications

(FICTA 2013)

NOVEMBER 14-16, 2013

Organized by



Springer

**BHUBANESWAR ENGINEERING COLLEGE (BEC)**

(Under Nabakalebara Charitable Trust)

Grama Diha, Gangapada, Bhubaneswar

Odisha, India, Pin-752054

[www.becbbsr.ac.in](http://www.becbbsr.ac.in)

Phone: 06755- 211540





(FICTA -2013)

### About BEC

BEC is a Technical institution that inexorably propels you to that greatest lamp in the east, with the help of which one can easily step on to that platform, from Where he/she visualizes his /her carrier with total clarity and is able to appreciate the fulfillment of life through technology Established in the year 2008 by Naba kalebara Charitable Trust (NKCT), the institution strives at producing technical perfectionists who can reach out to the ever expanding horizon of technology.

### Courses offered

The institution offers four year degree B.Tech programme of Biju Pattnaik University of Technology Rourkela (B.P.U.T) in the following branches.

- Aeronautical Engineering
- Electronics & Telecommunication Engineering
- Electrical and Electronics engineering
- Computer Science and Engineering
- Mechanical Engineering
- Civil Engineering

This institution also provides PGP rograms as per the followings:

- M.Tech (CSE)
- MBA
- Diploma (Mechanical, Civil Engineering)

### Facilities

This institution provides a wide range of facilities

- Well equipped modernized laboratory.
- Large centralized library equipped with journals, books
- High speed wi-fi internet facilities with 12 Mbps leased line.
- An active Industry Institute Interaction (III), training and placement division to provide services through on campus/off campus interview.
- Institute transportation & yoga/meditation center & extracurricular activities.
- Separate Hostel for boys and girls are provided with a homely environment, where students stay comfortably with proper care and attention.

### About FICTA-2013

The 2013 International Conference on Frontiers of Intelligent Computing: Theory and application (FICTA) aims to bring together researchers, scientists, engineers, students and practitioners to exchange and share their theories methodologies, new ideas, experiences, application in all areas of intelligent computing theories, methodologies, new ideas experiences, application in all areas intelligent computing theories and application to various engineering disciplines like computer science, Electronics, Electrical, Mechanical Engineering etc.

### About Bhubaneswar

Bhubaneswar is the capital of Odisha, one of the Indian state Historically Bhubaneswar has been known by different names such as Toshali, Kalinga Nagari, Nagar Kalinga, Ekamra Kanan, Ekamra Kshetra and Mandira Malini Nagari "city of temples" otherwise known as the temple city of India.



(FICTA -2013)

The largest city of Orissa, Bhubaneswar today is a center of economic and religious importance in the region. Bhubaneswar's proud possession of magnificent sculptures and architectural heritage, coupled with the sanctity as Ekamrakshetra make this one of the great religious centers of Orissa since early medieval days. With its large number of Hindu temples (over 600 in number), which span the entire spectrum of Kalinga architecture, Bhubaneswar is often referred to as a "Temple City" of India. Together with Puri and Konark and, Bhubaneswar forms the Swarna Tribhuja "Golden Triangle", one of the most visited destinations in East India

### Organizing Chair

#### Chief Patron:

Er. Prabhat Ranjan Mallick, Chairman KGI, Bhubaneswar

#### Patron:

Er. Alok Ranjan Mallick, Chairman BEC, Bhubaneswar

#### Organizing Secretary:

Dr. B.N. Biswal, Director (A&A), BEC, Bhubaneswar

#### Program Chair:

Dr. S.C. Satapathy, Department of CSE, ANITS, VIZAG

Dr. S.K. Udgata, Department of CSE, University of Hyderabad

#### Honorary Chairs

Dr. P.K. Dash, SMIEEE, FNAE, Director (Research), SOA University

Dr. G. Panda, SMIEEE, FNAE, Ex Deputy Director, IIT Bhubaneswar, India

#### International Advisory Committee / Technical Committee:

L Perkin, USA

Dipankar Dasgupta, USA

Naeem hanoon, Malaysia

PK Patra, India

Sateesh Pradhan, India

Gunanidhi Pradhan, India

Debi Prasad Das, India

JVMurthy, India

TR Dash, Cambodia

Mihir N Mohanty, India

Maurice Clerc, France

Roderich Gross, England

Sumanmth Yenduri, USA

Carlos A Collo Coello, Mexico

Peng Shi, UK

Bibhudendra Acharya, India

Saman Halgamuge, Australia

Jeng Shyano Pan, Taiwan

X.Z Gao, Finland

Juan Luis Fernandez, California

Oscar Castillo, Mexico

Leandro Dos Santos Coelho, Brazil

Heitor Silverio Lopes, Brazil

Rafael Stubs Parpineli, Brazil

S S Pattanaik, India

Gerardo Beni, USA

Namrata Khemka, USA

G.N. Sahu, India

P.K. Das, India and many more



(FICTA -2013)

### Organizing Committee:

- Prof. Sangram Keshari Samal, HOD, AE, BEC, Bhubaneswar
- Prof. R.K. Behuria, HOD, Mech, BEC, Bhubaneswar
- Prof. P.P. Das, HOD, Civil, BEC, Bhubaneswar
- Prof. A. Sutari, HOD, ETC, BEC, Bhubaneswar
- Prof. M.K. Swain, HOD, CSE, BEC, Bhubaneswar
- Prof. P.M. Dash, HOD, EEE, BEC, Bhubaneswar
- Prof. Debasish Panda, HOD (SCH), BEC, Bhubaneswar
- Ms. Ankita Kanungoo, Dept of EEE, BEC, Bhubaneswar
- Ms. Sonam Mohapatra, Department of Mech. BEC, Bhubaneswar
- Ms. Priyanka Rath, Department of Mech. BEC, Bhubaneswar
- Ms. Rashmita Behera, Department of EEE. BEC, Bhubaneswar
- Ms. Sourya Snigdha Mohapatra, Department of Civil, BEC, Bhubaneswar

### Venue

Auditorium Block- Ground floor (100)  
Bhubaneswar Engineering College (BEC)

### Paper presentation Areas:

- Ubiquitous Intelligence and Computing
- Web Intelligence and Computing
- Swarm Intelligence
- Mobile Computing
- Sensor Networks and Social Sensing
- Wireless Mesh Networks
- Wireless Networks Management
- Wireless Protocols and Architectures
- Multi-Agent Systems
- Human-Computer Interaction
- Data Mining and Knowledge Discovery
- Knowledge Management and Networks
- Data Intensive Computing Architecture
- Resource Management and Scheduling
- Intelligent E-Learning Systems
- Smart Environments and Applications
- Genetic Algorithms
- Evolutionary Computation
- Soft Computing
- Machine Learning
- Neural Networks
- Pattern Recognition
- Intelligent Control Optimization
- Nonlinear System and Control
- System Theory and Control Theory
- Video and Image Processing
- Internet Security
- Control system
- Signal Processing