

## REPORT ON EECCMC2018

### (INTERNATIONAL CONFERENCE ON ELECTRICAL, ELECTRONICS, COMPUTERS, COMMUNICATION, MECHANICAL AND COMPUTING)

Priyadarshini Engineering College, Vaniyamabadi organized its first International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC) 2018 on 28th & 29th January 2018 along with IEEE Madras section (Technical Sponsor). The conference was well organized and attended by eminent academicians, faculty members and students from all over reputed technical and educational institutions from different parts of the country and world. This conference gave a platform for the participants to exchange their ideas and discover the novel opportunities and others interested in incorporating intergenerational approaches into their work and policies. The theme of the EECCMC conference was to provide the platform for students, Engineers, Researchers and Scientists to share the knowledge and ideas in the recent trends in the field of Engineering, Science and Technology. The conference was approved by IEEE with conference record number: #43456 along with copyright notice: 978-1-5386-4304-4/18/\$31.00©2018 Crown (Crown government: UK, Canada and Australia) and for all other paper were: 978-1-5386-4304-4/18/\$31.00©2018 IEEE.

EECCMC received around 1900 nos. of papers from various countries in the world and accepted few best papers. Among the accepted papers, 64 papers were from other countries. The list of papers received from different countries was listed in the table below:

Country	No. of Papers	Country	No. of Papers
Algeria	7	China	8
Australia, Australia Bhutan	5	Colombia	4
Bahrain, India	1	Cyprus, Turkey	4
Bangladesh	69	Ecuador	3
Bhutan	4	Egypt	19
Bosnia and Herzegovina	2	Ethiopia, India	4
Botswana	1	Germany, India	1
Brazil, Peru, Mexico	20	Ghana	4
Cambodia	1	India	1631
Canada	4	Indonesia, United States	8

Country	No. of Papers	Country	No. of Papers
Chile	3	Iran	12
Iraq	8	Poland	2
Jamaica	1	Portugal	2
Jordan	7	Saudi Arabia	18
Kazakhstan, Malaysia	4	Russia	1
Kuwait	1	Senegal	1
Lebanon	3	Singapore	1
Kenya, China	1	Sudan	5
Malaysia	6	Sri Lanka	11
Morocco	7	South Africa	4
Mexico	3	Spain	1
Mauritius	1	Tunisia	2
Montenegro	1	Tanzania	1
Nepal	2	Taiwan	2
Nigeria	7	United Kingdom	2
Namibia	1	United States	2
Oman	4	USA	2
Pakistan	27	Zimbabwe, India	2
Peru	4	Viet Nam	1
Palestine	3	Yemen	2
Philippines	2	<b>Total</b>	<b>1908</b>

The conference was rich with 20 presentation halls in different venue. The Conference was pleased to had Prof. Ganapati Panda (Prof. School of Electrical Sciences, Indian Institute of Technology (IIT), Bhubaneswar, India), Dr. Manoharan Ramachandran (Faculty of Science and Technology, Bournemouth University, Bournemouth, United Kingdom.), Dr. C. N. Bhende (Associate Prof. School of Electrical Science, IIT Bhubaneswar, India), Dr. Mohammad Al-Azawi (Assistant Dean for Academic Affairs at Oman College of Management & Technology (OCMT)), Dr. V. N. Mani (Scientist-E, C-MET, Govt. of India, Hyderabad, India) as keynote speakers

The conference was inaugurated by the Guest at the inaugural function, Dr.Sivaganesh Malla, Director, CPGC on 28<sup>th</sup> morning. In his inaugural address, he lauded the Management and the academic administration of the institution for hosting an International conference. Our College Principal Dr.P.Natarajan delivered welcome address and honoured the delegates of the conference and gave an overview of the conference. **Prof. Ganapati Panda**, School of

Electrical Sciences, Indian Institute of Technology (IIT) Bhubaneswar, Bhubaneswar, India, the Guest of Honor released the Conference Souvenir on the occasion.



The inauguration was soon followed by the key note address by **Prof. Ganapati Panda**, School of Electrical Sciences, Indian Institute of Technology (IIT) Bhubaneswar, Bhubaneswar, India.

### [EECCMC Conference Schedule:](#)

#### **Day 1: 28th January 2018**

Programms	Section	Time
Registration		9:00 AM
Inaugural		09:30 AM to 10:30 AM
Tea break		10:30 AM to 10:45 AM
Keynote-1	Prof. Ganapati Panda	10:45 AM to 11:30 AM
Keynote-2	Dr. C. N. Bhende	11:30 AM to 12:15 PM
Keynote-3	Dr. Manoharan Ramachandran	12:15 PM to 01:00 PM
Lunch		01:00 PM to 01:30 PM
Presentation-1	R1- R20	01:30 PM to 03:30 PM
Tea break		03:30 PM to 03:45 PM
Presentations-2	R1- R20	03:45 PM to 06:00 PM
Certificates Section		04:00 PM to 06:00 PM

## Day 2: 29th January 2018

Particulars	Section	Time
Registration		9:00 AM
Keynote-1	Dr. V. N. Mani	09:00 AM to 09:45 AM
Keynote-2	Dr. Mohammad Al-Azawi	09:45 AM to 10:45 PM
Break		10:45AM to 11:00AM
Presentation-1	R1- R20	11:00 AM to 12:30 PM
Lunch		12:30 PM to 01:00PM
Presentation-2	R1- R20	01:00 PM to 03:00 PM
Tea break		03:00 PM to 03:15 PM
Presentations-3	R1- R20	03:15 PM to 04:30 PM
Valedictory		04:300 PM to 05:00 PM

### Key note speaker address:

#### Day 1: 28.01.2018

The first keynote was addressed by Prof. Ganapati Panda, School of Electrical Sciences, Indian Institute of Technology (IIT) Bhubaneswar, Bhubaneswar, India.

In his powerful presentation Prof. Ganapati Panda discussed about the Recent trends in Signal processing, Communication and Optimization Techniques. These techniques have been extensively applied to communication, power system, instrumentation and control. His presentation also covered important contribution of adaptive, intelligent, robust and distributed signal processing tools and also dealt with the application of these tools to cognitive radio image, compressing sensing, active noise control, hearing aids, biomedical engineering, sensor networks, smart grid, speech processing and intelligent sensors and he also discussed how these tools have been applied for many interesting real life problems.



The second keynote addressed on day 1 delivered by **Dr. Chandrashekhar Narayan Bhende**, School of Electrical Sciences, Indian Institute of Technology (IIT) Bhubaneswar, Bhubaneswar, India.

In his enthusiastic presentation **Dr. Chandrashekhar Narayan Bhende** discussed about the Integration of Large Scale Wind Energy to the Grid-Technical Challenges & Mitigation Techniques. This presentation also included the survey on wind energy technology and associated implementation issues and finally potential technical challenges to the integration of large scale wind energy into the power grid are reviewed and their possible mitigation techniques were discussed.



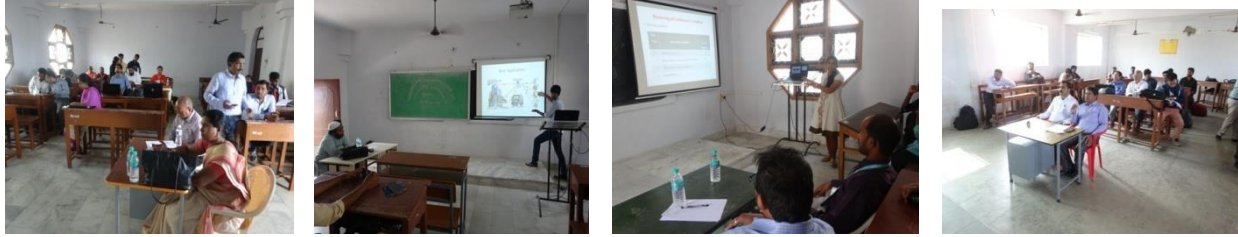
The third keynote was addressed by **Dr. Manoharan Ramachandran**, Faculty of Science and Technology, Bournemouth University, Bournemouth, United Kingdom.

In his energetic presentation **Dr. Manoharan Ramachandran** discussed Block chain Technology and its Research Applications. This presentation included the details of block chain and various research problems in block chain.



In the afternoon session, presentations held at different venues and it was chaired by erudite professors from different eminent universities.





## Day 2: 29.01.2018

The proceedings on 29<sup>th</sup> started with keynote address by **Dr. V. N. Mani**, Scientist-E at Centre for Materials for Electronics Technology (C-MET), Department of Information Technology, Govt. of India, Hyderabad.

In his valuable and powerful presentation he discussed about the Role of GaAs Electronic Materials and Devices VLSI Fabrication Technologies in Selected Space and Defence Related Electronic and Communication Applications- “A Bird’s Eye View”. The presentation included our decade long efforts in developing ultra high pure (7N) gallium, indium and recent results on germanium, GaN, which were required for epitaxial opto and nano-electronics and optoelectronics is highlighted. The talk covered technological issues namely multi-pass zone-refining, directional solidification and associated chemical engineering, instrument development aspects, preparation of bulk crystals and substrates including VLSI principles, device fabrication, packaging and practices and electronic waste recycling aspects. The class clean and green processing scheme(s) for sample homogenization, preparation, processing analysis and packaging, the usage of the class clean room (1000), clean benches (100) environment and characterization issues was dealt with.



The second keynote on day 2 was addressed by **Dr. Mohammad Al-Azawi**, PhD from De Montfort University, Leicester, UK (United Kingdom), Assistant Dean, Computer Science and Management Information Systems, Oman Colleges of Management & Technology (OCMT).

In his fruitful presentation he discussed about Human Visual Attention and Machine Vision Computational Saliency. His presentation focused on the use of human visual attention (HVA) principles to improve machine vision processing by understanding these principles and simulating them in salient regions extraction. It also includes a brief explanation for HVA and salient point extraction and comparison between them. It, also, reviewed some state-of-the-art approaches and researches to represent HVA computationally



Followed by keynote address presentation is held at different venues and chaired by professors from various universities.



During the valedictory program conducted in the evening, the Chief Guest Prof.Ganapati Panda, School of Electrical Sciences, Indian Institute of Technology (IIT) Bhubaneswar, Bhubaneswar, India, congratulated the institute and the management on organizing the international conference on a contemporarily relevant theme and offered their respective organizations help and support in organizing such programs in future too.

Feedback from the conference was very positive – participants greatly enjoyed the chance to meet like-minded people from so many countries, the opportunity to network and to learn from one another, and the chance to explore ideas.

After the valedictory program, high tea was served and the conference came to an end, leaving fond memories in the minds of guests and delegates and a great sense of satisfaction

and accomplishment in all members of the faculty and staff and student volunteers who were associated with its preparation and organization over a period of eight months.