Report on IPC 2019

From the 1ˢᵗ- 3ʳᵈ February 2019 the Department of Electronics and Communication Engineering of B.P. Poddar Institute of Management and Technology in association with the SPIE Student Chapter organized its 2ⁿᵈ National Conference on Information, Photonics and Communication (IPC) 2019 sponsored by IEEE and published by Springer.

The conference aimed to introduce the concepts of photonic information, signal processing & intelligent system, device & VLSI, communication system & networks to students, researchers, engineers and scientists. Many eminent speakers both from academia and industry enlightened the audience from various perspectives and thereby provided an overview of the state of the art in the field. The proceedings of the conference consisted of invited talks by eminent speakers from industry an academia, paper presentation sessions and tutorials.

Day 1 of the conference started with a workshop on "Embedded System and IOT" which enlightened the participants with hands-on training with state of the art technology in the field of Embedded Systems and IOT. Following this workshop was the first invited talk of IPC 2019 which was delivered by Prof. Jyotsna Kumar Mandal from the University of Kalyani. Prof. J.K. Mandal delivered his talk on "Similarities in Technical Writings and its Management", where he imparted his wisdom to several paper presenters about plagiarism and how technical papers should be presented and written without plagiarizing any detail. The day was concluded with the inauguration ceremony of IPC 2019- declaring the three-day National conference open by our chief guest and general chairperson of IPC 2019- Prof. Dr. D. Chattopadhyay and the vote of thanks by the Convener of IPC 2019- Dr. Ivy Majumdar.

Workshop on Embedded System & IOT   Invited Talk by Prof. J.K. Mandal

Inauguration Ceremony of IPC 2019

Day 2 of the conference began with the Keynote Address by Prof. B.M. Arora from IIT Bombay. Prof. B.M. Arora addressed the "Advances in Silicon Photovoltaics" and imparted wisdom to the audience in the field of solar cells and photovoltaic cells. This keynote address was followed by an invited talk from industry expert- Ms. Mitali Biswas, Associate Director of IBM. Ms. Mitali Biswas spoke on "IoT- creating a smarter tomorrow". She familiarized the audience with the present-day advances of IoT and what could be the future of the world with IoT as a medium to make a smarter world. After this the first session of paper presentation was in action. The track of the session was Microelectronics and VLSI. The track chairs were Prof B.M. Arora, IIT Bombay, and Ms. Sujata Pal, BPPIMT. After the end of the first session of paper presentation the conference received two more invited talks- one by our alumni who is now a professor at IIT Dhanbad- Prof. Ansuman Bhattacharya and the other talk was delivered by Prof. Kallol Bhattacharya from the University of Calcutta. Then there was parallel session of paper presentation(session 2 and session 3). Session 2 of paper presentation was on the track of Communication System and Networks. The track chairs of this session were Prof. Kallol Bhattacharya, University of Calcutta and Dr. Surajit Mandal, BPPIMT. Session 3 of paper presentation was on the track of Signal Processing & Computational Intelligence. The track chairs of this session were Prof. T.K. Basu, IIT Kharagpur and Dr. Arijit Saha, BPPIMT. Day 2 of IPC was concluded by a cultural performance by the students of BPPIMT.

Keynote address By Prof. B.M.Arora   Invited Talk By Ms. Mitali Biswas

Invited Talk by Prof. Ansuman Bhattacharya   Invited Talk by Prof. Kallol Bhatacharya

Paper Presentation Day 2

Cultural Performance Day 2

Day 3 of the conference began with two invited talks. The first invited talk was delivered by Prof. Sumana Gupta from IIT Kanpur. Prof. Sumana Gupta delivered her talk on "Selective Motion Segmentation using Spatiotemporal Regularity Flow Model". The second invited talk was delivered by

Prof. Abhirup Das Barman from the University of Calcutta. Prof. Abhirup Das Barman delivered his talk on "Network densification and interference management in femto-cells". After this we moved onto a parallel paper presentation session(session 4 and session 5). Session 4 of paper presentation was on the track of Communication System & Network. The track chairs of this session were Prof. Abhirup Das Barman, University of Calcutta and Ms. Somali Sikder, BPPIMT. Session 5 of paper presentation was on the track of Signal Processing & Computational Intelligence. The track chairs were Prof. Sumana Gupta, IIT Kanpur and Dr. Ivy Majumdar, BPPIMT. These were the last two sessions of paper presentation. This was followed by a session of Poster Paper Presentation. Day 3 of IPC was concluded by a valedictory session in which all the paper presenters received certificates of paper presentation. IEEE (WIE) awarded the top two papers presented at IPC 2019 with the IEEE-WIE Best and IEEE-WIE Award and a small cash prize along with it. The conference was ended by the vote of thanks delivered by the organizing committee chairperson of IPC 2019- Dr. Ranjana Goswami.

Invited talk by Prof. Abhirup Das Barman

Invited talk by Prof. Sumana Gupta

Paper Presentation Day 3

Paper Presentation Day 3

Valedictory Session