International Conference on Analytical and Computational Electronics(ICACE2022)

Organized :

Department of Electronics & Communication Engineering

Narula Institute of Technology

in Hybrid Mode

28th to 29th September ,2022

The International Conference on Analytical and Computational Electronics(ICACE2022) was organized by the Department of Electronics & Communication Engineering of Narula Institute of Technology in Hybrid Mode from 28th to 29th september,2022.

On 28th September,2022 the inaugural session started with Inaugural dance of Saraswati Vandana accompanied by the lightning of the auspicious lamp by the respected delegates. Then the welcome address was given by the Principal of the Institute Prof. (Dr.) M.R.Kanjilal . The convenor of the conference Prof.(Dr.) Anilesh Dey ,HOD,ECE enlightened all with the theme of the International Conference. All the other dignitaries present on the dias Prof. (Dr.) Rajkumar Buyya, Redmond Barry Distinguished Professor, University of Melbourne; Prof. (Dr.) Debashis De, Professor, Maulana Abul Kalam Azad University of Technology; Dr. Nidhi Singh,Registrar,NiT; Prof. (Dr.) B. K. Medya, Dean (Student affairs), NiT ;Dr. Sourav Saha, Dean (R & D), NiT delivered their views about the conference. Around 250 participants consists of faculty members, students and researchers attended the International Conference and 67 papers were accepted after review for paper presentation.

The first keynote speaker was Prof(Dr.) Rajkumar Buyaa,Redmond distinguished professor, University of Melbourne. He enlightened on the topic of Cloud Computing and New trends in technological applications on Quantum Computing. Next keynote speaker Prof(Dr.)Amlan Chakraborty, Head IT & Innovation Cell, Dept. of Higher education , Govt. of West Bengal enriched us on the topic Spatio Temporal Video Processing using Deep Learning. Keynote speaker Prof(Dr.) D Dey, Professor Maulana Abul Kalam Azad University of Technology elaborated an interactive session on Cloud Computing and its various applications.

The respective tracks of the paper presentation were started at the 2nd half. The first track was IoT and Machine Learning and the session was chaired by Prof.(Dr.)B.K Medhya, Dean Student Affairs.All together there were 13

paper presentations under this. Simultaneously Track II presentation which was on Computational Intelligence was chaired by Prof.(Dr.)Subhram Das,HOD CSE,NIT,had 12 paper presentations.

With the end of the tracks, we had an energetic cultural program performed by the students of Narula Institute of Technology on the 1st Day.

On the second day 29/09/2022, in the first half keynote session of Prof.(Dr.) Celia Sahanaz,Professor Department of EEE, Bangladesh University of Engineering and Technology enlightened with Speech Processing. One Plenary Session was given by Prof.(Dr.) Kunal Pal , Associate Professor, Department of Biotechnology and Medical Engineering, National Institute of Technology Rourkela,on Biomedical Signal Processing and its application. Another plenary session by Prof.(Dr.) Arijit Dey , Postdoctoral Engineer , Department of Electromagnetic and Radar , Onera,French Aerospace lab was on the applications of Remote Sensors.

In the paper presentation,The track 3 focused on Biomedical Engineering. The session was chaired by Prof.)Dr. Bansari Deb Majumder,HOD EIE,NIT. We had in total 8 papers under this track. Track 4 focused on Electronic Devices. The session was chaired by Prof.(Dr.)Tapan Kumar Mukherjee, BS & HU ,NIT. We had in total 11 papers under this track .

On the 2nd half plenary session by Prof(Dr.) Angusman Sarkar ,Professor,ECE Dept , Kalyani Government Engineering college enlightened with the topic of Tunnel FET.

After this we had our Track 5 and Track 6 held simultaneously. Track 5 was Signal and Image Processing where we had in total 12 papers. The session was chaired was Prof.(Dr.)Sourav Saha,Dean R &D ,NIT.The track 6 was Communication, Coding and Cryptography which was chaired by Prof.(Dr.) S.Nandi HOD BS & HU ,NIT. We had in total 11 papers under this track.With this, tracks were ended and the awards were given to the best papers under each track at the valedictory session.

The glimpses of ICACE2022 are attached herewith for your reference.