

REPORT

IEEE International Conference

“Computational and Characterization Techniques in Engineering & Sciences”

CCTES-18

Organized on September 14-15, 2018 at Integral University, Lucknow

The latest iteration of the IEEE International Conference on COMPUTATIONAL AND CHARACTERISATION TECHNIQUES IN ENGINEERING & SCIENCES, (IEEE Conference Record number-44023) was organised by the department of Electronics and Communication, Physics and Electrical Engineering, on September 14th and 15th. The International conference was attended by eminent academicians, well versed faculty members, professionals, and students from various universities and representatives of government institutions from all over the Indian subcontinent.

The Conference was kick started into life by Prof. S.Hasan Saeed (Conference General Chair, Head Electronics Department), who addressed and welcomed the audience, wherein he briefed about the achievements of Integral University in the fields of research and technology. Further, Dr. Nadeem Akhtar(Dean, Engineering, Planning & Research) shared his views on how CCTES has been an important part of Integral University. Prof Aqil Ahmad (Vice-Chancellor), further added towards the influence of CCTES, and how it encourages the different flows of ideas. Our Honble' Chancellor Prof. S.W. Akhtar, described how Integral University has had been carrying out the legacy of hosting the CCTES and its success.

The Conference was then addressed by guest PROF. ING SIAN LUN LAU SIAN (Associate Dean, (Academics) Malaysia), and the GUEST OF HONOR, DR. KHALID KHAN, (CEng, Bombardier Transportation, Derby,UK.), who were extremely grateful to be a part of it, and then all gathered for the release of the CCTES 2018 SOUVENIR, and furthermore momentos were presented as a token of gratitude felt.

Prof. Monauwer Alam (Convener, Head Electrical Department) shared the Vote of Thanks, and signaled the commencing of the conference.

The CCTES Conference was divided into 7 Major tracks, namely;

- Advanced Computing, Software Engineering and IOT
- Data Communication and Signal Processing
- Electronics and Communication
- SS Application of Power Electronics in Renewable Energies
- Power Engineering, Digital Control System and Materials
- Renewable and Sustainable Energy
- Cybersecurity and IPR.

Various personnel and active research scholars, and authors from various parts of the city, and countries from all over presented their valuable work as an expedition towards the encouragement of attaining the knowledge of the emerging trends of electrical energy.

On 15th September, IEEE CCTES was kicked off with a keynote by Prof. Ekram Khan (AMU, Aligarh) describing the Advancements of Digital Signal Processing, alongwith the Scope of IOT in the field of Agriculture, Temperature Monitoring. Prof. Ekram Khan, further talked about the Image Processing Devices and the typical encoders used, however his sheer focus was on the emerging trends of the digital signal & image processing. Concluded his keynote, he asked a very subtle yet impactful question, quoted "Everybody has an smartphone today, but do you even know why do you have one? Do you even need one?"

As the event proceeded, and things started to settle down, professionals and authors from all over the country had presented on topics that ranged from, Data Communications to Signal Processing, to Renewable Energy systems to Control Systems and IPRs. Every single paper presented here, had an edge over each other, as they all had described the emerging trends successfully, even explaining scenarios that have raised attention, as well as criticising the existing methods and how they can be evolved, furthermore detailed surveys had an expert side to itself, as they were rich in data that had already been analysed by the experts and were true to its form.

A Skype Presentation session was also held that focused on authors presenting the Recent Trends of either tracks, showcasing a few newer methods that improved application of subjects, and deep surfaced reviews.

Towards the conclusion of the event, a valedictory session was held that awarded momentos to the best papers from all the seven tracks of the conference.

Such an event has an impact on all inputs and a stride towards better outputs, progressing with the extreme sense of knowledge, and a fuel to advance with the trends around. It has been efficient to provide students to understand what is going on in the R&D departments of the world, as to why every simple thing in the universe has a strategy as well as complex structural planning at the very beginning. The conference came to a conclusion with the hope of bringing the best again next year, which would be emphasising on further trends and would be relatable to the past as well.

