

IEEE UP Section Events

GLA University, Mathura: 4th IEEE International Conferences UPCON 2017



The 4th IEEE International Conference on Electrical, Computer and Electronics – UPCON 2017 was organized by the Dept. of Computer Engineering & Applications at GLA University, Mathura during 26-28 Oct 2017 in technical collaboration with IEEE Uttar Pradesh Section. The conference was inaugurated on 27th October by the Chief Guest Prof. Yogesh Singh, Vice Chancellor, Delhi Technological University, New Delhi; Guest of Honor Prof. P. K. Kalra, Director, Dayalbagh Educational Institute, Agra. The Convener of the Conference, Prof. Dilip Kumar Sharma provided the conference highlights.

The Vice Chancellor, Prof. D. S. Chauhan, welcomed the gathering and stated that International Conferences of these types would benefit not only the members present here, but also the Industry, Academia and Researchers as a whole. The Technical Program Committee Chair, Prof. Charul Bhatnagar introduced the theme of the Conference. In his address, she emphasized the importance of Computer, Electronic and Electrical Engineering. The General Chair, Prof. Anand Singh Jalal welcomed and introduced the guests and keynote speakers of the conference

- Prof. Yogesh Singh, Vice Chancellor, Delhi Technological University,
- Prof. P. K. Kalra, Director, Dayalbagh Educational Institute, Agra
- Prof. Vincenzo Piuri from University degli Studi di Milano
- Prof. Ishak Bin Aris from Universiti Putra Malaysia.
- Dr. Belkacem Kada from King Abdulaziz University
- Prof. J. Ramkumar, IIT Kanpur
- Dr. Monojit Choudhury, Microsoft Research Lab India
- Dr. Sameep Mehta, IBM Research Lab India
- Prof. Ekram Khan AMU Aligarh
- Prof. S. N. Singh R10 CTS Coordinator and Vice Chancellor MMMUT Gorakhpur
- Dr. Kumar Vaibhav Srivastava IIT Kanpur
- Dr. Asheesh Kumar Singh MNNIT Allahabad
- Dr. Satish Kumar Singh IIIT Allahabad
- Dr. Brijesh Kaushik IIT Roorkee
- Dr. Rajat Kumar Singh IIIT Allahabad

Prof. Vincenzo Piuri, University of Milan, Italy delivered the keynote address on “Computational Intelligence Technologies for Ambient Intelligence”. Prof. Belkacem Kada, King Abdulaziz University, Saudi Arabia, delivered a talk on “New Advances and Progress in Tactical Missiles Guidance, Navigation, and Control”. Prof. Ishak Bin Aris, University of Putra, Malaysia addressed the participants on “Impacts of IoT and ICT to current and Future Intelligent Energy Efficient Vehicle”.

Prof. S. N. Singh, R10 – CTS Coordinator & Vice Chancellor, MMMUT Gorakhpur, delivered a keynote address on “Effective Writing and Publishing Research Papers.” Prof. J. Ramkumar, IIT Kanpur spoke on “World is Moving to Industry 4.0”. Dr. Monojit Chaudhary, Microsoft Research Lab India, Bangalore, was one of the keynote speakers from Industry. His talk was on “Language and Society through the lenses of Social Media: Understanding Extreme Multilingualism”. Another keynote speaker from industry, Mr. Sameep Mehta, IBM Research Lab, India spoke on “Is it a Puppy or a Muffin? Resilient Analytics – A study on various attacks on Analytics Offerings”.

Along with these keynote speakers, some more eminent speakers and technical session chairs included: Prof. Ekram Khan, AMU Aligarh, Dr. Kumar Vaibhav Shrivastava, IIT Kanpur, Dr. Brijesh Kaushik, IIT Roorkee, Dr. Satish Kumar Singh, IIIT Allahabad, Dr. Asheesh Singh, MNNIT Allahabad; They addressed the participants on various current and emerging issues in the engineering domain.

IEEE U.P. Section Late Prof G K Dubey Memorial Award for Life Time Achievement was awarded to Prof P. K. Kalra DEI Agra by Chairman IEEE U.P. Section during UPCON 2017 inaugural ceremony. During the cultural evening Prof Dilip Kumar Sharma was awarded with the Outstanding Contribution Award for his contribution as Convener of UPCON 2017 by Chairman IEEE Uttar Pradesh Section.

The Conference also witnessed two research workshops, two tutorials on 26th Oct and one PhD Symposium on 28th Oct. The PhD Symposium Chair was Prof. J. Ramkumar, IIT Kanpur. During UPCON 2017, 142 papers selected out of 400 received. Out of 127 papers registered, 123 were presented in 23 technical sessions.



In the conference valedictory session held on 28th Oct Prof Vincenzo Piuri, University of Milan, Italy was the Chief Guest. Prof. Ashish Sharma presented a summary of the conference which was followed by the Vote of Thanks.

Report by: Prof Dilip Kumar Sharma, Secretary IEEE UP Section

Quantum School of Technology, Roorkee: Technology Enhancement Programme on Robotics



The IEEE Student Branch of Quantum School of Technology, Roorkee had organized a two-day Technology Enhancement Programme on Robotics (TEP – R) during 13th and 14th Nov 2017. The event was inaugurated by Dr. Gulshan Chauhan, Director, Quantum School of Technology, Roorkee. Er. M. S. Gupta, Dean Academics, Quantum School of

Technology, Roorkee: Mr. Raunak Gupta, Branch Counselor, IEEE Student Branch; Mr. Mohd. Furqan Khan, Manager, KVCH, Noida; and Mr. Uma Shanker Yadav, Sr. Research Engineer, KVCH, Noida participated in the inaugural session. .

Mr. Raunak Gupta while welcoming the dignitaries and participants said that being the interdisciplinary field, robotics is having large number of applications in every walk of life like manufacturing, medical, aerospace and automotive industries etc. He added that during the TEP – R, the participants will learn the design, function and controlling of a basic robot.

Mr. Uma Shankar Yadav, Sr. Research Engineer from KVCH Noida told the participants about the components being used in making the robot. Students learned the robotics through the hands on practical session. They worked on various algorithms like Line Follower Robot, Edge Follower Robot etc. During the last session, a quiz was held to assess the knowledge of the participants and top six participants were given the Certificate of Merit.

Dr. Gulshan Chauhan, Director, Quantum School of Technology while presenting the vote of thanks, assured that the IEEE SB will provide the best of opportunities to all the budding engineers, researchers and professors who are keen to garner information and explore in the field of R&D in the near future. There were a total of 31 registered participants..

Report by: Mr. Raunak Gupta, raunakgupta.me@quantumeducation.in

GLA University, Mathura : National Workshop on Emerging Trends in Information Retrieval



The Dept. of Computer Engineering & Applications, GLA University, Mathura, India had successfully conducted a one-day national workshop on “Emerging Trends in Information Retrieval” on 26 Nov 2017 with the technical sponsorship of IEEE UP Section.

Prof. A. M. Agrawal, Pro Vice Chancellor, GLA University, Mathura inaugurated the workshop. The guests at the inaugural session included: Dr. Ashish Saini, Associate Professor, Department of Electrical Engineering, Dayalbagh Educational Institute, Agra; Dr. Upendra Kumar, Assistant Professor, IET, Lucknow; Dr. Pawan Kumar Tiwari,

Assistant Professor, IET, Lucknow; Prof. Anand Singh Jalal; Dr. Manoj Kumar; Prof. Dilip Kumar Sharma, Convener of the workshop. Prof. Dilip Kumar Sharma welcomed the guest and briefly introduces them. Dr. Manoj Kumar introduced the theme of this workshop & focused on the need and necessity of information retrieval in front of all delegates & participants.

During this workshop, Dr. Ashish Saini explained the use of soft computing techniques in Information Retrieval. He classified IR in three categories: Document Representation, Ranking Function and Query Expansion and briefed on how evolutionary algorithms and fuzzy systems are helpful to enhance the performance of IR. He further elaborated on hybrid ranking function and IR evidences based ranking function and concluded his presentation with explaining about query expansion using term weighting methods.

Dr. Aditi Sharan delivered a talk on fundamentals of opinion mining and its application areas. These two expert talks were followed by hands-on sentiment analysis and word cloud. By Mr. Rahul Pradhan and Mr. Yogesh Gupta who explained how sentiment analysis can be done on tweets and how to create word cloud. The workshop, attracted over 50 participants and they were benefited by getting an awareness on the latest trends and new advancements in the field of information retrieval.

Report by: Prof Dilip Kumar Sharma, Secretary IEEE UP Section

Facebook claims to have invented a new unit of time called 'flick' to measure the speed of digital audio and video. A flick, or frame-tick, is roughly 1.41723356 nanoseconds long and defined as 1/705,600,000 of a second.