

IEEE UP Section Events

CONFLUENCE 2019



The CSE Dept, Amity School of Engineering and Technology with the technical co-sponsorship of IEEE UP Section organized the 9th International Conference CONFLUENCE-2019 during 10-11, Jan 2019 on the theme of “Cloud Computing, Data Science and Engineering” at Amity Campus, Noida.

The 2019 Summit witnessed 10 international speakers from across the globe including University of Florida, USA, NTU, Singapore, Middlesex University, London, University of South Alabama, USA, University of Aizu, Japan, University of Limerick, Ireland, University of Newfoundland, Canada, Dortmund University, Germany, Waseda University, Japan, Weizmann Institute, Israel, and Israel Academy of science and humanities.

126 papers were accepted for presentation out of 562 research paper submissions from across the globe. All the papers registered and presented will be sent to IEEE Xplore Digital Library for publication and all published papers would be indexed in SCOPUS.

The conference inaugural session dignitaries included: Prof. (Dr.) Manuel E. Bermudez, University of Florida, USA; Prof. (Dr.) Glenford Mapp, Middlesex University, London; Prof. (Dr.) Hiroshi G Okuna, Waseda University, Japan; Prof. (Dr.) Bernhard Steffen, TU Dortmund University, Germany; Prof. (Dr.) Tizinia Margaria, University of Limerick, Ireland; Prof. (Dr.) Subhash Bhalla, University of Aizu, Japan; Prof. (Dr.) David Peleg, Weizmann Institute, Israel; Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2018, Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD CSE; Dr. M.K. Pandey, Jt. Head, ASET; and Dr. Abhishek Singhal, Deputy HoD(CSE), ASET.

Embracing the distinguished forum, Prof. (Dr.) Balvinder Shukla, Vice Chancellor, AUUP & Patron, Confluence 2019, shared her thoughts upon how the 9th International Confluence provides a manifesto for the research community, industrial experts, scientists, participants and students to collectively exchange innovative ideas and enable contributions to novel research and developments in the field of Cloud Computing, Data Science and Engineering. Prof. (Dr.) Abhay Bansal, Jt. Head, ASET & HoD CSE as a mentor, motivated the students to ace for opportunities whilst their interactions with the renowned Academicians.

Through a range of 20+ keynote speeches, special sessions like CXO Forum and Plenary session, audience witnessed new ways to deal with the challenges faced in areas of Cloud computing, data science and engineering. The heritage of India was also showcased through an exceptionally well performed series of cultural events on the evening of day one.

“Cyber Cup” was organized as Pre Conference Event on 8th & 9th of January, 2019. The fest was a culmination of skill and prowess. All competitions under the Cup were set to test the intellectual, oratory and creative skills of participants. The fest served as a platform for talents to compete among college fraternities while basking in the spirit of conviviality. Over 700 students from various schools under “Cyber Cup-Junior” and Colleges and Universities under “Cyber Cup” participated in this fest. Also five Pre Conference talks by International experts were organized.

Valedictory Session was graced by Mr. Manav Sehgal, Head of Solutions, Architect, Amazon Internet Services Pvt. Ltd., Prof. (Dr.) Shyi-Ming Chen, National Taiwan University of Science and Technology, Taiwan, Prof. (Dr.) Harlod Pardue, University of South Alabama Graduate School, USA, Prof. (Dr.) David Harel, Vice President of Israel Academy of Science and Humanities, Israel, Prof. (Dr.) Naveen Chilamkurti, La Trobe University, Australia, Prof. (Dr.) Andrew Keong Ng, Singapore Institute of Technology, Singapore, Prof. (Dr.) Mahardhika Pratama, Nanyang Technological University, Singapore and Prof. (Dr.) Manfred Broy, Technical University of Munich, Germany. Founder President, RBEF & Chairman AKC Group of Companies, Dr. Ashok K.Chauhan also graced the dais. Top officials of various industries like Honeywell Automation India Limited, Spicejet, Picture Time DigiPlex Pvt Ltd, Goods and Services Tax Network, Hanu Software, Bravura Solutions, HCL Healthcare, Qualcomm Ventures, Flipkart, IBM India Pvt Ltd, Interra Systems and

Collins Aerospace were welcomed and honoured. Also Amity Researcher Awards were conferred upon to distinguished researchers and academicians for their significant contribution in their respective fields. Amity University also conferred Honorary Professorships to eminent scientists and industrialists.

Showcasing its hospitality, Amity also organized a trip to Taj Mahal, Agra for the foreign delegates to help them explore the diverse culture of India.

Workshop on RC Aircraft and Sensor Guided Autonomous Robot



On the occasion of National Science Day, IEEE SB of REC Mainpuri in association with Sky-fi Labs organised a workshop on RC Aircraft and Sensor Guided Autonomous Robot during Feb 28 – Mar 2, 2019. The 3-day workshop was inaugurated by the Director. Dean Academics, Dean Student Welfare and HODs of various departments participated in the inaugural.

The introduction to the topics, the important terms and the basics of robotics is what started the robotics classes. In aircraft, aerodynamics starts the lecture. On the first say itself, Software Coding of Arduino Board and the wings for Aircraft made everyone excited. The students enthusiastically showed keen interest and were delighted to learn about the new concepts and technical aspects like coding, mechanical aspects of the RC airplane and much more.

On the second day, students of various departments collectively were asked to think, analyse and suggest solutions. The third day focused on testing. Self-made Airplanes flying in the sky, Robots working as desired created the aura of satisfaction and pride. Various Competitions were organised for both workshops and winners were awarded cash prizes worth Rs. 4000.

The event ended with the prize distribution ceremony for the top performers, mementos to the trainers and motivational words by the Convener Professional Activity Committee IEEE UP Section Dr. Aseem Chandel. He encouraged the students to actively participate in such events to grab all these opportunities. He further demonstrated that the team works like this enhances the cooperation among the students and also builds up the confidence and leadership quality.

SPIN 2019: 6th International Conference on Signal Processing and Integrated Networks

The 6th International Conference on Signal Processing and Integrated Networks, SPIN-2019 was organized by Department of ECE, Amity School of Engineering & Technology, Amity University during 7-8 March, 2019. This conference was technically co-sponsored by IEEE UP Section. Over the past few years, SPIN has emerged as a well-recognized conference in the country and overseas because of its high quality peer-reviewed research articles, invited talks from renowned academic and industry leaders, showcasing latest innovations and networking opportunities.



The conference had a very high quality technical program consisting of 38 invited talks and 227 contributory papers. The invited talks were delivered by renowned researchers throughout the world from countries: USA, UK, Turkey, Taiwan, Sweden, Spain, South Korea, Singapore, Portugal, Japan, Italy, Indonesia, Greece, Egypt, Czech Republic etc. SPIN-2019 attracted contributions from several countries such as Japan, USA, Sweden, Portugal, China, South Korea, Egypt, Spain, UK, Costa Rica, Czech Republic, UAE and many premier academic institutions and organizations of India like IITs, NITs, DRDO, NPL, ISRO, CSIR-CSIO Delhi, BEL, BITS Pilani, DTU, NSIT, Jamia Millia Islamia, and JNU etc. Seven Special Technical Sessions and 19 Poster Presentations were also organized during these two days.

Additionally, the following activities had been conducted.

- A Gamified workshop for data driven innovation “Innovators Marketplace on Data Jackets” by Dr. Teruaki Hayashi and Mr. Masahiro Senda, The University of Tokyo, Japan.
- Session on Plagiarism and Ethical Issues Related to Scientific Research Paper Writing and Student Conclave to Promote IEEE Membership and Leadership Skills.
- Design Thinking Workshop on “Engineering Design & New Product Development”.
- A session on “IEEE Women in Engineering (WIE)” to Promote Women Engineers and Scientists.
- A session on “Recent Research & Innovation Trends”.
- Special Session on funding opportunity and challenges in research and innovations conducted by distinguished panellist from DRDO, DoT and DST, Govt. of India.
- Industry Interaction session with more than 25 Industry Experts including Airtel, Samsung, and Havells etc.

In SPIN 2019 conference, the Chief Guest Prof. (Dr.) Raj Mittra, University of Central Florida, USA and Guests of Honour Dr. Kazuya Kobayashi, Chuo University, Japan, Mr. Arun Malik, Director, Quality, Airtel, Dr. Kaushik Saha, CTO, Samsung, and Mr. Anil Bhasin, President, Havells India Ltd had shared their thoughts and knowledge with the researchers, faculties, students and participants.

Prof. (Dr.) Manoj Kumar Pandey, General Chair, Prof. Raj Kamal Kapur, Conference Chair, Dr Pradeep Kumar and Dr. Ashwani Kumar Dubey were the Organizing Chairs of SPIN 2019.



The Dept of ECE, Jaypee Institute of Information Technology, Noida with the technical sponsorship of IEEE UP Section and IEEE UP Section Signal Processing and Computer Society Joint Chapter successfully organized the fifth edition of International Conference on Signal Processing and Communication (ICSC 2019) from March 7 - 9, 2019.. The event was inaugurated by the Vice Chancellor, Prof. S. C. Saxena.

Furthermore, ICSC team had brought together a session on Women In Engineering and also . and put together student project exposition. The conference witnessed plenary talks by world renowned academicians and legends from industry as listed below:

- Dr. Gurtej Sandhu, IEEE Fellow is Director Micron Technologies Inc., Idaho, USA and has around 1350 US patents. He has the honour of having more patents than Thomas Edison. He has pioneered several process technologies currently employed in mainstream CMOS semiconductor chip manufacturing that enables DRAM and NAND memory chip scaling.
- Prof. Mohamed-Slim Alouini, IEEE Fellow, Professor and Assoc. Dean KAUST, with Google Citations of around 45,000. He is IEEE Distinguished Lecturer of IEEE Communication Society. He is currently Editor of IEEE Transactions on Wireless Communications.
- Prof. George K. Karagiannidis, IEEE Fellow, Aristotle University of Thessaloniki, Greece with Google Citation of around 15,000. He has served as Editor-In-Chief of IEEE Communication Letters and is highly cited researcher continuously from year 2015 onwards. He is IEEE Distinguished Lecturer of IEEE Communication Society.
- Prof. Dipankar Dasgupta, IEEE Fellow and ACM Distinguished Speaker, Professor at University of Memphis, USA with Google Citations around 16,000.
- Prof. S. N. Singh, IEEE Fellow is Vice Chancellor MMMUT Gorakhpur and Chairman of IEEE India Council. He is also IEEE Distinguished Lecturer has google citations around 10,000.
- Dr. Ashok Chandra, International Telecommunications Union (ITU) Expert, has served as Wireless Advisor to GOI, Ministry of Comm. & IT and helped establish new IIT's and IIM's and IIIT's, he is currently serving as Adjunct Professor in IIT Bombay.
- Dr. Panagiotis D. Diamantoulakis, Aristotle University of Thessaloniki, Greece is researcher in the field of Wireless Communication and Editor of IEEE Wireless Communication Letters.

68 papers were accepted for presentation in ICSC 2019 out of around 160 submissions from across the world. There were a total of seven technical sessions covering different and all possible aspects of Wireless Communication Systems, Signal Processing for System Analysis, VLSI Circuits and Systems, Embedded Systems, Machine Learning in Signal Processing, Internet Of Things in Communication, Machine Learning in Communication, Image Processing, etc. There were three poster sessions covering many posters in all above mentioned fields of Electronics Engineering.

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A "high-severity" Android bug that exposed user data for over five years and could let hackers spy on them was fixed only for newer phones. Google will provide automatic update to users of Android 7 or above, while Android 5 or 6 will need a manual update through Play Store. However, Google said it won't be fixed on 'Android 4.4'.