

IEEE Bangalore Section Activities

AI and Blockchain at Edge — IEEE event at Bangalore



This event was jointly organized by the IEEE Bangalore Section and IEEE Standards Association (IEEE SA) Blockchain Group at Philips Innovation Center, Bangalore on 10th May 2019.

Over 150 professionals participated in this one day event.

The Keynote Address was delivered by GV Kalavathy, CEO, Philips India. She emphasized the medical industry's need for AI which is making a revolution in this field.

Some of the other presentations events during the day include:

- “Trusted AI models in Healthcare” by Vijayananda , Philips Research Lab Fellow
- “Emerging Confluence of Blockchain and AI” by Vinayaka Pandit , IBM India Blockchain Leader.
- AI inference acceleration at the edge, IoT Use cases, Data at Edge, case studies, etc.
- Panel discussion on “Challenges & Opportunities in AI, Blockchain & Edge”, focused on blockchain and AI challenges in Indian context, emerging trends, solutions, and use cases.

In summary, several speakers agreed that, as the world becomes decentralized, more and more devices joining the hybrid cloud technologies are to be deployed at the best location viz. local, edge or cloud, with blockchain and AI an integral part of it.

CONECCT 2019

(<http://iee-conecct.org/>)



IEEE CONECCT, the annual technical conference was organized by the IEEE Bangalore Section during 26-27 Jul 2019 at International Institute of Information Technology Bangalore. The theme of the conference encompasses Electronics, Communication, Signal Processing, and VLSI/Embedded Systems. IEEE President, Prof. Jose Moura inaugurated the conference and delivered the keynote address. Pre-conference tutorials on Block Chain, 5G Communication, and SoC Design for IOT were also held.

IEEE CONECCT 2019 Winners under various categories include:

- BEST PAPER: Sharvari Ravindran, Saptarshi Chaudhuri, Jyotsna Bapat and Debabrata Das of IIIT Bangalore, titled Isolation-based Sub-Slices for Throughput Optimization in 5G Radio Access Network
- BEST PAPER (Runner-up): Vijaya Lakshmi K, Pottety Koteswara Reddy, Anil Kumar, K Lalitha, V Lekshmi and S Sudhakar of U.R.Rao Satellite Centre , titled Multiplexed scheme for Real Time Telemetry with Dwell and Playback in Small Satellites
- BEST POSTER: Shweta Pujar, Ravindrareddy Pulicharla, Nidhi Udayshankar, Rahul Kumar Patel and Sivasubrahmanya Evani of Analog Devices, titled Accelerating design verification of a complex SOC Using Formal

YTEMS



The YTEMS event on 1st Aug 2019 at NASSCOM Startup Warehouse, started with an introduction of the event by Abhishek Appaji, VC of YP, IEEE TEMS India. He gave an insight on Young Professionals and Technology Engineering and Management and informed about various platforms for graduating students to be part of Young Professionals and emphasized on the importance of them networking with future leaders and current leaders.

Mr. A Vijayarajan, IEEE Senior Member, Founder and CTO, InnAccel with four decades of experience in Engineering and Innovation, explained on how one can grow in career especially in the field of engineering technologies. He also shared his experience on his journey and career progression to the graduate students and young professionals.

Dr. Ashwini, YP Chair Elect, Bangalore Section spoke about her journey after graduation which involved academic teaching/research, entrepreneurship as well as volunteering in IEEE and Young Professionals. She also highlighted on how YP activities impacted her personally as well as professionally.

Dr. Prasant Mishra of TCS Research and Innovation team briefed on why corporate research is important and explained how it is different from academic research based on his experience in both sectors.

In the last session, Ms. Aisha Nazia, VC, WIE in TEMS India spoke on how consultancy can become a profession especially for women immediately after graduation. She narrated her strategies as a student to reach to the higher level in her life.

IEEE SmartTech 2019



IEEE Bangalore Section organized the 6th edition of IEEE SmartTech during 2-3 Aug 2019 with the theme "The Future of ElectroMobility" in which technology practitioners shared their understanding on technologies and focused on challenges for sustainable city-scale mobility in general, and electromobility in specific. The keynote addresses were delivered by:

- Dr. Dejan S. Milojcic, Distinguished Technologist, HP Labs
- Dr. Dhananjay Gore, VP Engineering & Head of Research, Qualcomm India

- Dr. Shivkumar Kalyanaraman, Executive Leader of Growth Offerings, GE Power Conversion.

The plenary talks were given by:

- Brian McMurray, VP Engineering & Operations, General Motors
- Alexander Klotz, VP and Head of Technical Center India, Continental
- Shridevi Bale, Associate Director, Accenture India

In total, 27 speakers comprising of leaders and technical subject experts from over 20 companies, startups, and standards bodies (such as Mahindra Electric, TVS Motor, Intel, Robert Bosch, Hitachi, KPIT, TSDSI, Valeo, Greendzine, Meher Energy, Prasu, Ati Motors, Nutanix, Taqanal, and Quick Ride) shared their views on various topics. This two days workshop attracted around 150 delegates.

The following winners of the 2019 IEEE Bangalore Industry Awards were felicitated at this workshop:

- Women Technologist of the Year 2019: Ponni K. (Head, Global R&D Laboratories, Nokia)
- Technologist of the Year 2019: K. Krishna Moorthy (Corporate VP ad MD Rambus Chip Technologies)
- Young Technologist of the Year 2019: Arkaprovo Das (Co-founder & Principal R&D Engineer, Simyog Technology)
- Technology Startup of the Year 2019: MMRFIC Technology