



IEEE CAS Bangalore Chapter

Quarterly Newsletter

Quarter 1, 2022

IEEE CAS Bangalore Chair's Message

The IEEE Circuits and System Society Bangalore chapter is technically vibrant society and manages both Industry and Academia members. The CAS has taken the lead in the design and implementation of relevant & innovative programs, catering to the needs of Engineering professionals in general and IEEE members in particular. To engage high-end technical and management skills IEEE CAS Bangalore Chapter organized many webinars from industry and academia stalwarts. These webinars covered different emerging topics in the area of circuits and systems to meet the needs of students, faculty and professional members. IEEE CAS Bangalore chapter membership drive also added CAS student chapter, District coordinators and Regional coordinators in Karnataka state. IEEE CAS Bangalore chapter has won the following awards

1. "IEEE best chapter of the year - worldwide 2020" from IEEE CAS society HQ, and
2. "Best Medium Chapter" award 2020 from Bangalore section

IEEE CAS Bangalore Chapter's mission

IEEE CAS Bangalore mission revolves around building a sustainable ecosystem to foster innovation, learning and knowledge sharing in the field of Circuits and Systems. This involves active participation from Academia, Industry and Interdisciplinary community in Bangalore region and Karnataka.

IEEE CAS Bangalore Chapter's vision

The IEEE CAS Bangalore chapter vision is to build a vibrant CAS chapter dedicated to the technical advancements, innovation and learning in the field of Circuits and Systems. The chapter also hopes to get involved with the global CAS chapter in terms of contributions to CAS flagship conferences and CAS Distinguished lecturer's program me.

IEEE CAS events, 2022, Quarter 1

The New Executive committee took over in January of 2022. The following events have been organized by the CAS chapter in association with other CAS chapters

- A webinar on “Solving Global Grand Challenges with High Performance Data Analytics” on the 24th of February 2022. The webinar was conducted by Dr. David A. Bader, Distinguished Professor Director, Institute for Data Science, New Jersey Institute of Technology, USA. This webinar was jointly organized by IEEE Mysore Subsection, IEEE Bangalore Section, IEEE Information Theory Society (ITS) Bangalore Chapter and IEEE Circuits and Systems (CAS) Society Bangalore Chapter.
- A webinar on “Machine Learning Models for COVID-19 Diagnosis” on the January 19 2022. The webinar was conducted by Dr. Yu-Dong Zhang, Chair of Knowledge Discovery and Machine Learning at University of Leicester, United Kingdom. This webinar was jointly organized by IEEE Mysore Subsection, IEEE Bangalore Section, IEEE Information Theory Society (ITS) Bangalore Chapter and IEEE Circuits and Systems (CAS) Society Bangalore Chapter.
- A webinar on “Machine Learning Models for COVID-19 Diagnosis” on the February 18 2022. The webinar was conducted by Dr. Emil Björnson, Professor of Wireless Communication at the KTH Royal Institute of Technology, Stockholm, Sweden. This

webinar was jointly organized by IEEE Mysore Subsection, IEEE Bangalore Section, IEEE Information Theory Society (ITS) Bangalore Chapter and IEEE Circuits and Systems (CAS) Society Bangalore Chapter.

- A webinar on “Brain injury detection using artificial intelligence” on the March 2nd , 2022. The webinar was conducted by Dr. Ali Abedi, Associate Vice president for Research, Professor of Electrical and Computer Engineering at University of Maine, Orono, USA and Vice President, IEEE Council on RFID. This webinar was jointly organized by IEEE Mysore Subsection, IEEE Bangalore Section, IEEE Information Theory Society (ITS) Bangalore Chapter and IEEE Circuits and Systems (CAS) Society Bangalore Chapter.
- A webinar on " Supervised Pattern Classification with Optimum-Path Forest " on the March 11, 2022. The webinar was conducted by Dr. Joao Paulo Papa, Chair IEEE BIKM Taskforce, Prof. Sao Paulo State University, Brazil. This webinar was jointly organized by IEEE Mysore Subsection, IEEE Bangalore Section, IEEE Information Theory Society (ITS) Bangalore Chapter and IEEE Circuits and Systems (CAS) Society Bangalore Chapter.
- A webinar on “Ultra-low Power Circuit Design Techniques for Low Power IoT and Biomedical Systems " on the March 25, 2022. The webinar was conducted by Dr. Aatmesh Shrivastava, Assistant Professor with the Electrical and Computer Engineering Department at Northeastern University in Boston.

IEEE CAS Executive committee 2022

The New Executive committee took over in January of 2022. The member details of executive committee are :

| Sl. No | Name | IEEE CAS Bangalore Chapter Position | Company |
|---------------|---------------------------|--|--|
| 1 | Dr. Jalaja S | Chair | Bangalore Institute of Technology, Bengaluru |
| 2 | Mr. Ayan Datta | Chair Elect | Western Digital |
| 3 | Mr. Alope Kumar Das | Vice Chair | Alten Calsoft Labs |
| 4 | Dr. Kiran Gupta, | Secretary | Dayanand Sagar College of Engg. |
| 5 | Dr. Parameshachari B D | Treasurer | GSSS Institute of Engineering and Technology for Women, Mysuru |

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|----|---------------------|--------|--------------------|
| 6 | Mr. Preet Yadav | EXECOM | NXP Semiconductors |
| 7 | Mr. Prasad Joshi, | EXECOM | Brisa Technologies |
| 8 | Mr. Jayesh Tanwani | EXECOM | Intel |
| 9 | Dr. Sumantra Sarkar | EXECOM | AMD India |
| 10 | Dr. Shylashree N, | EXECOM | RVCE, Bengaluru |
| 11 | Dr Vishal Khatri | EXECOM | Kandou Bus |
| 12 | Rajanikanth A R | EXECOM | |
| 13 | Krishna Paul | EXECOM | Intel |
| 14 | Sumedha Limaye | EXECOM | Intel |

For more information about upcoming events, please visit
<https://r10.ieee.org/bangalore-cas/>