IEEE BANGALORE SECTION

IEEE CAS Bangalore Chapter

IEEE

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Quarterly Newsletter

Quarter 2, 2022

IEEE CAS Bangalore Chair's Message

It is my honour and pleasure of being the chair of IEEE CAS Bangalore Chapter from the past 3 months. We have conducted a series of expert talks on regular intervals from eminent academicians and industry personnel. IEEE CAS Bangalore Chapter strives to help industry, academics, and policymakers, as well as re-energize the research, start-up, and entrepreneurial ecosystems in the circuits and systems domain.

IEEE CAS Bangalore Chapter events, 2022, Q2

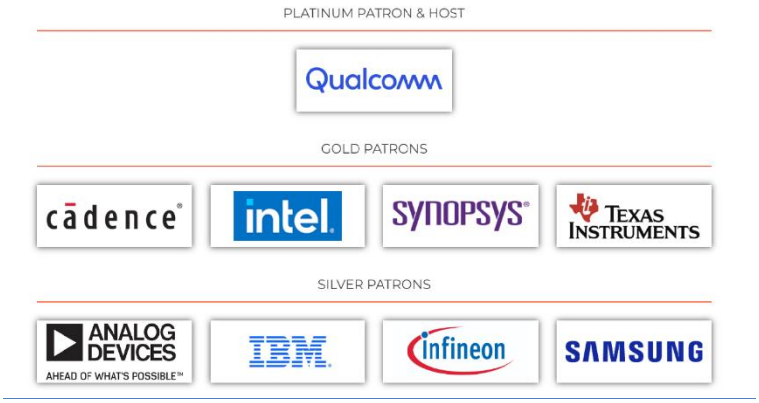
Following events have been organized by the CAS chapter in association with other CAS chapters

- A webinar on "The Wonder Allotrope of Carbon of This Century: Graphene" on the 16th of April 2022. The webinar was conducted by Dr. Prasenjit Ghosh, Professor of Chemistry at IIT Bombay, India. The talk presented a chemist's perspective on graphene

and its uniqueness in terms of physical, chemical and electronics properties of other allotropes of carbon.

- IEEE CAS Bangalore Chapter organised Women in Technology conference (WINTECHCON) 2022. The theme of the conference was "Smarter technologies for a sustainable and hyper-connected world". The conference witnessed 500+ participants and received a record number of 200+ paper submissions. Our esteemed team of reviewers completed around 800 reviews over a period of 3 weeks. And it helped select < 8% highly impactful submissions as paper presentations and another 7% as poster presentations. The 2 day virtual event was kicked off with a keynote talk by Karen Bartleson, 2017 President and CEO of IEEE. The keynote was focused on the groups of IEEE standards and the process for creating them. The day one events consisted of two tracks broadly encompassing "AI/ML & Big Data " and "Verification techniques in VLSI". Keynote talk on day two was delivered by Vanitha Kumar, SVP Software Engineering,

Qualcomm Engineering Technologies. **".** The day two events consisted of tutorials and papers covering a diverse range of subjects such as emerging technologies/ open source technologies, Data and ML solutions for EDA, Test and measurement etc. In addition, the conference had project and demo booth from the sponsors. A Ph.D. forum was also organised and was attended by 13 Ph.D. candidates. Please visit www.wintechcon.com to view our IEEE WINTECHCON 2022 Winners & Event recordings.



More details at https://wintechcon.com/

- A webinar on “Analog Filter Design- State of the art” on the 24th of June 2022. The webinar was conducted by Dr. Dr P.V. Ananda Mohan, Technology Advisor, CDAC

Bangalore. The talk covered a wide range of filter topologies and various techniques and subsequent implementations.

- IEEE CAS Bangalore Chapter in collaboration with IEEE Young Professionals & IEEE Bangalore Section, arranged 'Institution to Industry' forum to give students the reality check that interviews are not scary but an experience to grow with the right attitude. This 'Institution to Industry' forum consisted of 8 talks by HR, Hiring Managers and key technical experts covering different aspects of an interview. The forum, which took place between 28th May and 3rd June, 2022, was targeted towards 3rd and 4th year B.E. students and also the M.Tech students who want to pursue their career in the VLSI industry. It gave a great opportunity for students to network with the professionals in this area. This was a hybrid event. More details about this event can be found at https://events.vtools.ieee.org/event_media/download/16772

IEEE CAS Bangalore Chapter Awards, 2021

Dr. Shashidhara H R, NIE, Mysuru, Karnataka was awarded IEEE CAS Bangalore Chapter Outstanding Volunteer Award 2021.

Mr. Preet Yadav, NXP Semiconductors, was awarded IEEE CAS Bangalore Chapter Outstanding Industry Volunteer Award 2021.

Dr. Sujata Patil, KLE Dr. MSSCET Belgaum, Karnataka was awarded IEEE CAS Bangalore Chapter Outstanding Faculty Advisor Award 2021.

Dr. Venkatesa Perumal, NIT, Surathkal, Karnataka was awarded IEEE CAS Bangalore Chapter Outstanding Faculty Advisor Award 2021.

National Institute of Technology, Surathkal, Karnataka, was awarded IEEE CAS Bangalore Chapter Outstanding Student Branch Chapter Award 2021.

Bangalore Institute of Technology, Bangalore, Karnataka was awarded IEEE CAS Bangalore Chapter Most Promising Student Branch Chapter Award 2021

Guru Nanak Dev Engineering College, Bidar, Karnataka, was awarded IEEE CAS Bangalore Chapter Most Promising Student Branch Chapter Award 2021

IEEE CAS Executive committee 2022

Dr Jalaja S
Chapter Chair
BIT

Mr. Ayan Datta
Chair Elect.
Western Digital

Dr. Parameshachari B D
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GSSSIETW, Mysuru

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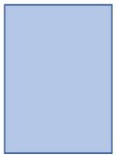

Sumedha Limaye
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For more information about upcoming events, please visit
https://r10.ieee.org/bangalore-cas