



Nov 2020

www.ieeehyderabad.org

Issue II

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IEEE Hyderabad Section Mission and Vision

Vision

To be an essential resource for the professional development in specific fields of interest of IEEE for the benefit of mankind.

Mission

To provide a platform for knowledge sharing, networking, and career development to the local technical community.

Chaírman's Message



This quarter has been extremely busy at IEEE Hyderabad section. We finished first edition of our flagship conference IEEE HYDCON with a grand response and excellent takeaways. IEEE Hyderabad Section fetched 5 IEEE Region 10 including the Outstanding volunteer award, Education activity award, WIE and Young professionals awards. Many congratulations to the award winners.

IEEE HYDCON was Inaugurated by 2020 IEEE President Prof Toshio Fukuda and IEEE Region 10 Director Akinori Nisshihara who applauded the efforts of IEEE Hyderabad section for the committed efforts and cherished his memories with volunteers of section. We organized Special Industry Track funded by IEEE Region 10 and attended by top industry

leaders and Researchers, pre-conference tutorials and paper presentations. We had excellent Industry speakers and wellknown plenary speakers for enlightening 1200+ attendees who registered from several parts of Country and nearby nations. 14 selected papers of HYDCON were selected to receive the student and early researchers support by IEEE Region 10 IRC apart from the 5 hackathon teams who won the IEEE Region 10 financial support for their COVID 19 focused projects. Our total event count in 2020 has crossed 1100 which shows the commitment of our chapters and AGs towards the benefit of members of IEEE Hyderabad Section.

Reaching locals initiative under education society organized several events in Hindi, Telugu and Tamil languages. IGEN 2020 was completed by the students Activities team which brough great professional networking for the students community. Be it low cost thermometers to virtual platform or a development of robots or a COVID tracker app, our SIGHT team is helping and executing many projects which have started showing its impact into the community.

The section website is revamping, and we will soon witness a more friendly and fresh look of Hyderabad Section website

I hope your experience was enthralling and satisfactory this year.

Thanks, you very much...! Please take a very good care of yourself, your families and friends, stay home and keep following Government regulations. Let's make the world more resilient together.

I'll always be glad to hear from you at <u>chairman@ieeehyd.org</u>.

Achievements



HYDERABAD CHAPTER **R10 EDUCATION ACTIVITIES** OUTSTANDING GROUP AWARD

WIE AG - HYD **R10 WOMEN IN ENGINEERING** OUTSTANDING SECTION AFFINITY **GROUP AWARD**

ATUL NEGI AWARD

JOHN BENEDICT R10 OUTSTANDING VOLUNTEER R10 YP OUTSTANDING VOLUNTEER AWARD - INDUSTRY

SAI DIVYA N **R10 WIE OUTSTANDING STUDENT** VOLUNTEER AWARD

ieeehyderabad.org

IEEE Hyderabad Section Activities

2020 IEEE-HYDCON

The flagship Biennial Conference of IEEE Hyderabad Section HYDCON was organized in Hyderabad from 11-12 Sep 2020. The first edition of Hydcon conference theme was "**Engineering in 4th Industrial Revolution**" and around 1200 delegates from India and few from other countries attended this event through virtual mode.

The conference was Inaugurated by 2020 IEEE President Prof Toshio Fukuda (from Japan), IEEE Region 10 Director– Prof Akinori Nissihara (from Japan), Prof Takako Hashimoto (from Japan)- IEEE Region 10 secretary, Mr Deepak Mathur (from India) – IEEE Region 10 Director elect, Prof SN Singh (from India),- Chairman, IEEE India Council, Dr Chris Lee (from Taiwan) – Chairman of IEEE Region 10 Industry relations committee and many other eminent global personalities. The conference also witnessed some of the eminent speakers for keynote and plenary sessions and invited talks. Plenary talks were given by Dr. Supavadee Aramvith, Assoc. Prof. Chulalongkorn University, Thailand **on Super Resolution Techniques for Video Analytic Applications,** Professor Chris Gwo Giun Lee, National Cheng Kung University, Taiwan **on Making Healthcare More Accessible via AI: Extension of Telemedicine,** Prof. Lance Fung Murdoch University, Australia **on Digital Transformation and Emerging Technologies for Post COVID-19,** Dr. Stefan Mozar, President 2020, IEEE PSES, Fellow member, Dynexsys Pty Ltd., Glenwood, New South Wales **on Power safety and Engineering** and by Prof Jan Haase on Energy efficient distributed embedded systems.

As a response to this year's Call for Papers (CFP) more than 500 authors from top Indian Academic institutions and Industries submitted their Research papers for consideration at Hydcon and after rigorous review by the experts around 100 papers were short listed and presented during the event. IEEE Region 10 Industry relations committee also organised a special Industry track with the theme "Fostering Industry Academia Networking under Vibrant 4.0 landscape" on 10th of Sep 2020.

Speakers included N Venkatesh of Silicon labs, Reena Dayal of Microsoft, Bala Peddigari from Tata consultancy services, Sarada Jayakrishnan – Terumo, Kerala, Shilpi Agarwal of TESCO, Bangalore, Rashmi Pathak of Reckitt Benckiser, Hyderabad, D Ramakrishna, Confederation of India Industries (CII), Andhra Pradesh, Aditya Rao, Service Now and many others. There was a session where winners of COVID 19 Hackathon presented their selected innovative ideas apart from a panel discussion by CEO of startups.

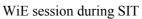
1-day Special Industry Track was focused on Emerging and Disruptive technologies, how industries and tech start-ups preparation towards post COVID-19 situation and the Importance of Woman and Industry panel touching on some key challenges and how women leaders embraced it. The full day was attended by 1000+ participants and excellent feedbacks were received.

The conference was widely covered by Press and Media.

Know more at <u>http://www.ieeehydcon.org</u>



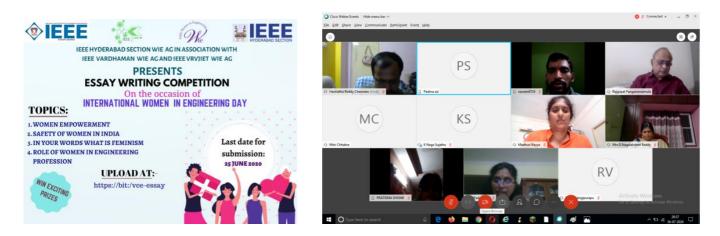
Inauguration with IEEE President, Prof. Toshio Fukuda



Women in Engineering Activities

IEEE WIE Affinity group, Hyderabad section conducted variety of seven online events related to professional and technical to provide insights to new members and to encourage the existing members. In collaboration with other chapters and student branches like VNR VJIT SB, Vardhaman College of Engineering SB, IEEE PES Hyderabad Section, YP AG organized essay writing, WiE in Power Energy Industry, Career oriented workshops, webinars by eminent speakers. A webinar was conducted on "**Career Prospects for Engineers in Core Industry**" by G Dharmendra Nayak, MMRFIC technology Private Ltd, Bangalore on 25 July 2020. He explained a comprehensive way of opportunities towards Industry and development in technology. Over 81 participants were benefitted with his talk Emi Yano, R10 WIE Chair 2019-20, Ricoh Solutions, Takako Hashimoto, Secretary IEEE R10, Nita K Patel, Senior Director for Engineering, L3 Harris Technologies.

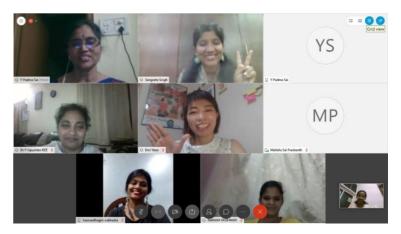
A panel discussion was jointly organized by IEEE PES and WIE AG to inspire everyone particularly women on **25th July 2020.** Over 70 attendees were benefited. Mrs. D. Nagalatchoumy Reddy, General Manager (Projects) Plant & amp; Systems TATA Projects, Hyderabad, Ms. Pratiema Shome, Superintending Engineer (Assessments) TSPDCL Hyderabad, Ms. Radha Vangipurapu, Managing Partner M/s Nutrisnax Industries (A Start Up), (Brand Name of Products "Mego") Industrial Development Area (IDA), Nacharam, Hyderabad were few speakers out of many.



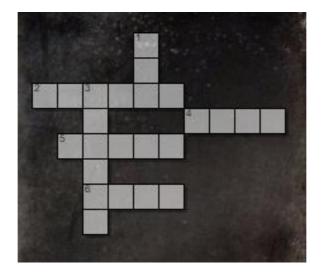
A webinar was organized on Change the world-To Be a Change maker on 1 August 2020 by Ms. Emi Yano, R10 WIE Chair 2019-20, Ricoh Solutions. Over 60 participants attended the event. She has been a very active volunteer leader in IEEE since 2008. She was the Chair of IEEE Japan Council Women in Engineering from 2016 to 2017. She explained

about her journey in IEEE and the importance of communication in our life. She interacted with every students and addressed all the queries raise by them about IEEE. She enlightened the effective leadership and organizational development in the HR department.





CROSSWORD



ACROSS

2 Chief Guest of HYDCON

4 Delegates count attended in HYDCON

- 5 WiE activities count
- 6 Outstanding Volunteer Award

DOWN 1 Name of IEEE fellow member 3 Name of R10 WiE Chair 2019-20

Call for articles / Individual member achievements

It is decided in the Section meeting that individual member accomplishments like publishing of a paper in IEEE journal/conference, taking up of a new position/responsibility (IEEE or any office of Public Interest), elevation to IEEE membership status, IEEE awards/Notable mentions can be mentioned in the newsletter under the achievements column to be started from next issue of newsletter. Please send in your articles/achievements for publication in newsletter to synapse@ieeehyd.org

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