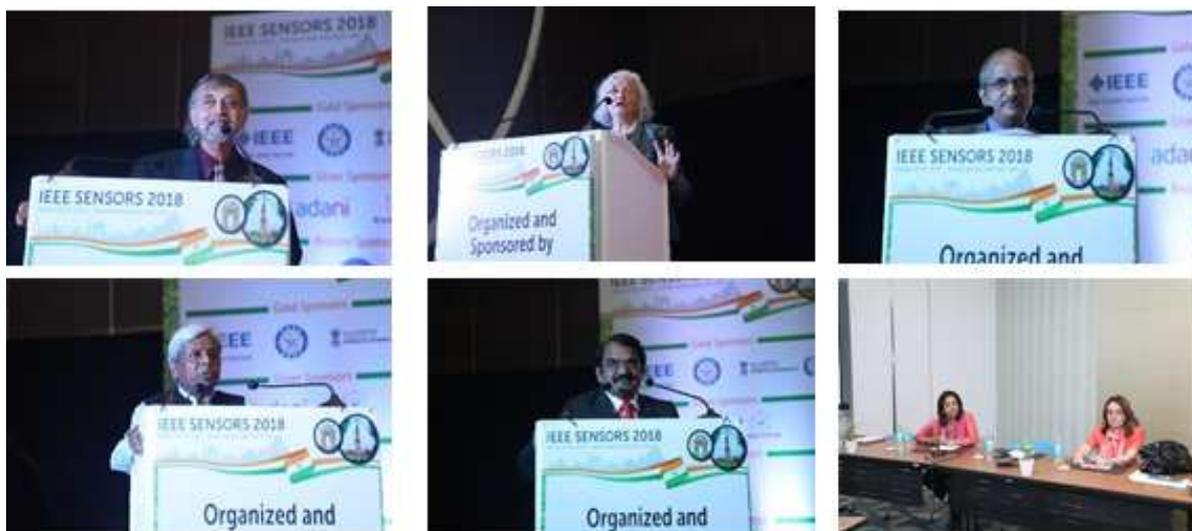


## Report on IEEE Sensors 2018 Conference

IEEE Sensors is a flagship annual conference which brings together people from different parts of the world with average strength of 600+ participants including Professors, Scientists, Research scholars and students. It was held in Pullman Hotel in New Delhi, India from 28-31 October 2018. The lead organizers included Anil Roy and Yogesh Gianchandani as General co-chairs and Rudra Pratap and Ravinder Dahiya as Technical Program co-chairs. The other attractive elements of the conference were 'Tutorial sessions', co-chaired by Krikor Ozanyan and Lina Sarro, 'Women in Sensors (WiSe)' co-chaired by Zeynep Celik-Butler and Enakshi Bhattacharya and 'Young Professionals (YP)' co-chaired by Sinead O'Keeffe and Saakshi Dhanekar. The conference was majorly supported by IEEE Sensors council and IEEE Gujarat Section.

The Plenary Speakers included Nitish Thakor from John Hopkins University, USA and National University of Singapore, Margit Zacharias, Vice President, Albert Ludwigs University, Fac. of Eng. (IMTEK), Freiburg, Germany and Ramgopal Rao, Director, Indian Institute of Technology Delhi, India. K. VijayRaghavan, Principal Scientific Advisor to the Government of India and Mylswamy Annadurai, Distinguished Scientist & Former Director, ISRO Satellite Centre, Bangalore were the special keynote speakers who talked on 'Engineering Nature' and 'Mangalyaan: the success story of India's first mission to Mars' respectively. (Shown in the picture).



One of the other attractive sessions of the conference was 'Women in Sensors (WiSe)' which had a Program Keynote Speaker as Veena Misra from North Carolina State University, USA. Her talk was entitled as 'Role of Advanced Wearable Sensor Systems in Healthcare'. This was followed by a Panel discussion with panel consisting of Lina Sarro, Professor and Chair, Department of Electronic Components, Technology and Materials, Delft University of Technology, Netherlands, Khalil Najafi, Biomedical Engineering Professor, Electrical Engineering & Computer Science Chair, Electrical and Computer Engineering, University of Michigan Ann Arbor, USA, Radislav Potyrailo, Principal Scientist, GE Global Research and Vikram Kumar, Dr Raja Ramanna DRDO Distinguished Fellow, Solid State Physics Laboratory Delhi, India; Honorary Professor, CARE, IITD, India. The panel discussed on Career Opportunities in Academia, Industry and Government Laboratories. This session was open to all men and women.

A session called as 'Young Professionals and WiSe Mentoring Round Table: Lunch with the Experts' was held during lunch time of one of the days of the conference. This session focussed on unique issues related to young professionals and women in sensors career development and gave the opportunity to all Young Professional and female participants to interact with experts in key areas of sensors. Participants were assigned a table based on their relevant topics (with an additional table specifically for Women in Sensors) in a setting that fostered attendee/expert interactions and provided networking opportunities with leaders in the field.

The last session of WiSe was only Women's session called as 'Women's Networking Session' which was an informal session for women working in different fields of sensors. It commenced with brief talks by the keynote speakers, Zeynep Celik-Butler, Professor, University of Texas, Arlington and Anitha Biddappa, Director, Enterprise Systems Division, IBM, India (please see the picture for reference) and was then open for discussions and networking between women in all stages of their careers.

The IEEE YP Program drew a lot of attention by beginning with YP reception and Halloween party followed by a dinner. This was co-ordinated by Saakshi Dhanekar, IIT Delhi and Sinead O'Keeffe, University of Limerick, Ireland.

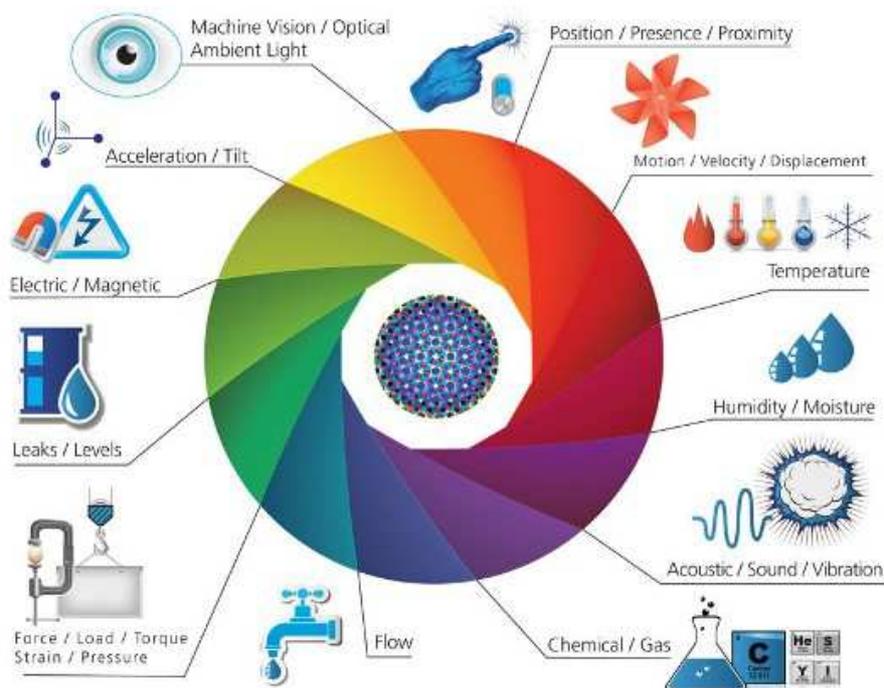


Around 80 YPs interacted informally and discussed about their present work, future collaborations and scope to work outside their organizations (the picture shows the strength of the YPs). The following day, there was Professional Development Program-I with a Panel discussion on ‘Publishing in Journals and the Review Process’. The panelists were Sandro Carrara, EPFL Lausanne, Switzerland, Srinivas Tadigadapa, Northeastern University, Boston, MA, USA, Zeynep Celik-Butler, Professor, University of Texas, Arlington and Krikor Ozanyan, The University of Manchester, UK. This was followed by a talk by the IEEE Sensors Council Young Professional Representative, Hadi Heidari, University of Glasgow, Scotland, UK and IEEE Sensors Council Young Professional Award Committee Chair, Alper Bozkurt, North Carolina State University, USA. The Professional Development Program-II consisted of a talk by Elfed Lewis, University of Limerick, Ireland who is IEEE Sensors Council VP Technical Operations on ‘IEEE Sensors Council Activities’. This was followed by a Panel discussion ‘Work of the future’ moderated by Bruce Hecht, Analog Devices, USA and Sinead O’Keefe.

The conference also had many other poster, lecture, demo and industry track sessions. A detailed information and more pics of different sessions can be found at <http://ieee-sensors2018.org>. In all, this IEEE Sensors held 1<sup>st</sup> time in India was a grand success.

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## IoT Sensors and Actuators



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