

Dear MTT-S Members,

My name is Rajeev Jyoti and I am writing to you asking for your vote. I am a candidate for this year's MTTs at-large AdCom election. You can vote for me at:

<https://eballot4.votenet.com/IEEE>

I am a space scientist working at the Indian Space Research Organization (ISRO). I have been involved in the development of technologies encompassing the diverse field of microwaves, from MHz to THz. I have been involved in the scientific payload developments for space missions to Moon, Mars, and beyond. I have been at the forefront of many technologies development for scientific space missions along with communication and Navigational space mission. Currently, as a Senior Director, I am leading more than 200 highly talented scientists and engineers in the development of microwave and millimeter-wave systems including antennas.

I have been an active MTTs member for a long time, serving six times as the Chair for the Gujrat joint MTTs/APS chapter which, under my leadership, received the MTTs Outstanding Chapter Award in 2018. I have played a significant role in the unprecedented increase in the MTTs membership in India and R10 as a whole. I have been instrumental in the betterment of communications and relationship between the MTTs and APS sister societies in India. I had the unique honor to be the General Chair for both the IMaRC-2017 and InCAP-2019 – the two flagship conferences in India of the MTT-S and APS societies.

I have been a mentor to the Young Professionals in the Space program and have helped in promoting young professional activities. Future of technology lies in the hands of young professionals, and hence my chapter, section, and regional efforts have been focused on the engagement of YPs in IEEE activities, specifically on MTTs related activities. You can read my short bio and detailed position statement below. I hope you will consider my candidacy favorably and vote for me to allow me to serve at the AdCom of our MTT Society.

IEEE MTT-S Related Activities

- I'm an active member of IEEE. I have been involved with the MTT society for more than a decade.
- I have served as the Chair for the Gujarat joint MTTs/APS chapter six times. During my tenure, Gujarat Chapter received the outstanding MTTs Chapter award in 2018, multi-fold increase in the MTTs membership in India, and opening of many student branch chapters at the local universities and colleges.
- I am a member of the MTTs Meetings and Symposia Committee, and is entrusted with the role of Exhibition Liaison.
- I am a subcommittee member of the IEEE MTTs Microwave & Wireless Education Initiative, under the Education Committee (Standing Committees).
- I was the General Co-Chair of IEEE MTTs International Microwave & RF conference (IMaRC-2017) – a flagship conference of the MTTs society in India.
- I have conceptualized and established 2 International conferences (iAIM & InCAP) and been actively involved in international conference organization and spreading the awareness of Microwaves and Antennas throughout India and abroad. As General Chair for these conferences, I have successfully conducted IEEE conferences and Workshops in India and thus facilitated members experience and increased MTTs membership.
- I was the General Chair of the IEEE Indian Conference on Antenna & propagations (InCAP 2019).
- I am an Executive Committee (Ex-Comm) member for both IMaRC and InCAP. It will allow me to play a key role in bringing these two communities together.
- I was the General Chair of the International workshop on Antenna Innovations and Modern technologies (iAIM-2015)

- I was also Member of IEEE APS Industry Initiative Committee.
- I have also served as an Associate Editor for the IEEE Antennas and Propagation Magazine.

Short Bio

I have more than 30-years of professional experience in the Indian Space Research Organization (ISRO) which includes the development of communication, navigation, and microwave remote sensing payloads of ISRO satellites. I have been instrumental in the development of active microwave phased array RADAR systems and microwave/sub-mm reflector antenna technologies for ISRO's satellites. Currently, I am working as the Deputy Director, Space Applications Centre, ISRO. I have been conferred with a UN long term fellowship at ESTEC, The Netherlands ESA. I am a Fellow of IETE India, Senior member of IEEE, Life member of ISRS and ASI society. I have co-authored more than 130 papers and have 12 patents. Apart from multiple accolades at the individual and team front in ISRO, I was also the recipient of IETE SN Mitra Memorial award (2012)..

Position Statement

Region 10 has a great potential for the expansion of MTTS activities as there is growing interest and awareness for microwave and antenna research among young professionals at the institutes, emerging start-ups, and other leading industries. In this region, volunteers and organizational units are very vibrant and are contributing vastly in the growth of the MTT society activities. Because of my expertise both in the microwaves and antennas and my long standing involvement with the MTT and AP societies, I am in a unique position to bring people together and bridge the gap between these two societies. I envision to be a part of this platform and bring it to the new heights with the strategies described here:

- Engaging with students, young professional (YP) and Women in Engineering (WiE/WiM) members, and tapping them for MTTS activities for the betterment of humankind.
- Membership growth by at least 50% in Region 10 and member experience and satisfaction through local Chapter and MTTS collaborative programs.
- Restructure existing conferences to enhance the quality and strategies on integrating IEEE flagship conferences for more participation from industries.
- Devise Advance Education program intended to increase the number of research papers, improve quality, and improve paper acceptance rate in MTTS journals.
- Devise programs to promote industry academia partnerships.
- Create platform to ignite more closer interaction between local, global experts, and MTT communities.
- Promote sustainable students' projects.

With warm regards,
Rajeev Jyoti.

Distinguished Scientist, Deputy Director
Indian Space Research Organization (ISRO)
IEEE MTT-S AdCom Candidate