

Candidate Information Template

CANDIDATE NAME : K Madhava Krishna

CANDIDATE EMAIL ADDRESS : mkrishna@iiit.ac.in

CANDIDATE AFFILIATION AND ADDRESS : The Robotics Research Center, IIIT Hyderabad,
Hyderabad – 500032, Telangana, India

IEEE MEMBER NUMBER : 80372433

COUNTRY OF RESIDENCE : India

HOW WOULD YOU CATEGORIZE YOUR CURRENT ORGANIZATION?

- ☐ **Government**
- ☐ **Academia : Yes**
- ☐ **Industry**
- ☐ **Retired**
- ☐ **Other**

POSITION SOUGHT

IEEE Adcom Member

BIOGRAPHY

Please provide a biographical statement exclusive of your IEEE activities. (150 words maximum)

Myself, K Madhava Krishna, founded the Robotics Research Center (RRC) at IIIT Hyderabad, India, <https://robotics.iiit.ac.in/> in April 2005. Since then the Center has grown to be recognized both nationally and internationally, is ranked number one in India, top 10 in Asia and within top 60 worldwide as per popular and respected rankings such as airankings.org and csrankings.org. I have advised more than 100 Research Thesis of both Graduate (MS) and PhD students resulting in more than 100 publications in premier RAS forums, namely RAL, ICRA and IROS.

My students have gone on to contribute immensely in both academia and industry and founded startups both in India and abroad such as the US and France. At-least five of them hold academic positions abroad including John Hopkins, TAMU, Univ of Minnesota, Univ of Tartu having first cut their teeth in research at RRC. Some of them have translated their research to industry and have developed and deployed robotic solutions on AMRs in warehouses including developing and deploying Fleet Management Software for more than 200 AMRs in India and abroad.

As such the Center that I founded in 2005 and that I continue to direct has gone on to make very tangible contributions to both private and public industry apart from Academic Research.

IEEE ACTIVITIES

Please list your IEEE positions with dates of service.

I have been a reviewer for many RAS conferences and journals specifically RAL, ICRA and IROS for the last 20 years and more. I have also been an Associate Editor for IROS in 2021/22.

QUALIFICATIONS

What are your qualifications for this position? i.e., what makes you an ideal candidate for this position?

I am a career academician into academic research and mentoring with a PhD in Robot Motion Planning dating to 2001 and having published quite extensively in flagship RAS conferences for more than 25 years, I believe I can contribute to the society

MAJOR ACCOMPLISHMENTS

List the major contribution(s) (up to five) you have brought to IEEE in your previous assignments. If you have not volunteered for IEEE before, list relevant contributions you have made with other organizations or in related work experience.

My volunteering for IEEE has been limited to being a reviewer for more than 20 years and as an AE for IROS for a couple of years. However my quintessential achievement has been in setting up the Robotics Research Center at IIIT Hyderabad and leading it for the last 21 years, which has resulted in more than 500 students who have participated intensely in research and who have gone on to contribute in academia as faculty, in industry as robotic engineers with highly credible deployment record and as founders of innovative deep tech startups.

POSITION STATEMENT

If elected to the position, what are your plans and how will they help support the mission of IEEE RAS?

Since I am new to this position I may spend initial time understanding more closely the roles and activities of being an AdCom member. My primary support I believe would be in making premier RAS conferences more accessible to those nations which have a mature/maturing robotic industry and yet their participation in these conferences have tended to be sparse and minimal

COMMITMENT TO SERVICE

I, K Madhava Krishna, hereby certify that if elected, I will serve in the position to which I am elected for the term of the office.