TECHNICAL COMMITTEE FOR

MODEL-BASED OPTIMIZATION FOR ROBOTICS

IEEE Robotics & Automation Society

@TCOptRob

https://www.tcoptrob.org/

2026 Call for Student Representatives

The scope of the IEEE RAS TC on Model-based Optimization for Robotics is the development and application of model-based optimization techniques for the generation and control of dynamic behaviors in robotics and their practical implementation. Our TC organizes various events such as monthly seminar series, social events at ICRA/IROS, best paper award, virtual poster session, summer school etc. to engage with researchers working in this area. We have been a very active TC and growing over the past few years (with approx. 200 members) including winning the RAS Most Active Technical Committee Award in 2022 and Blue Ribbon Technical Committee Status in 2023.
Homepage: https://www.tcoptrob.org/
YouTube channel: https://www.youtube.com/@tcoptrob

Role Description: As a student representative, you will work closely with the Co-Chairs and Associate Co-Chairs of the Technical Committee on Model based Optimization for Robotics assisting in the organization and coordination of the technical activities. The term of a student representative is typically 1 year starting 1st March 2026 and ending on 28th February 2027.

Your responsibilities will include:
1. Assisting in the planning and execution of committee events (e.g. meetings, workshops etc.)
2. Facilitating communication between committee members and students in the field
3. Contributing to the development of committee initiatives.
4. Promoting the committee's work and recruiting new student members
5. Representing the student perspective within the committee.
6. Developing ICRA Welcome Kit for OptRob TC.

Requirements:
1. Enrollment in a PhD or MS-PhD program related to model based optimization until end of term as SR
2. Membership in the IEEE and the Robotics & Automation Society.
3. Demonstrated interest in the field of model based optimization for robotics
4. Excellent communication and organizational skills
5. Ability to commit to the role and volunteer for 1 year

Benefits:
1. Opportunity to network with professionals and researchers in our field
2. Gain leadership experience and contribute to the advancement in our field
3. Enhance your understanding of the technical and practical aspects of model based optimization for robotics
4. Be a part of a global community dedicated to promoting model based optimization methods
5. Support to attend RAS flagship conferences to help with event and workshops organization.
6. One free registration for RAS-sponsored conferences (e.g., ICRA, IROS, RoboSoft, etc.) if assisting in Welcome Kit production.

If you meet the requirements and are excited about the opportunity to contribute to the community, we encourage you to apply. **To Apply**: Please submit a letter of motivation (max 1 page), letter of support by your supervisor along with your CV via this google form by ****February 15th, 2026 (AOE)****