

Multiple Postdoctoral and Ph.D. student positions available in Intelligent Robotics and System Optimization Laboratory (IRoSOL) at Michigan Tech

The Intelligent Robotics and System Optimization Laboratory (IRoSOL) operated by Dr. Jung Yun Bae in the Department Mechanical Engineering-Engineering Mechanics and Department of Applied Computing at Michigan Technological University has multiple positions available for a Postdoctoral Fellowship and Research Assistants seeking Ph.D. to work on the development of algorithms for multiple-robot systems coordination and autonomous navigation.

- Area: **Multi-robot systems, Autonomous Navigation, Path planning and Optimization**
- Duration: 2 years (PostDoc); 2 years+ α (Ph.D. students)
- Starting Date: September 1st, 2020 (Adjustable)

Postdoctoral Fellowship: Applicants for Postdoctoral Fellowship will have demonstrated expertise in Robotics and Autonomous Systems, with particular experience and educational background in one or more of the following areas:

- Control in robotic systems
- Autonomous Navigation with ROS (Robot Operating System)
- Solid programming skills
- Multi-robot system path planning/Vehicle Routing Problems
- Optimization

The candidate should have a doctorate in a relevant discipline obtained within the last five years and demonstrate proven publications in robotics research with professional English writing skills. The position is for two years.

Ph.D. Students (Research Assistant): Applicants for research assistant positions are required to have their Master's degree or Bachelor's degree in mechanical engineering, electrical engineering, computer science, or any relevant areas in robotics. We prefer to invite talented Ph.D. applicants, with particular experience and educational background in *Robotics* or *Optimization*. The Ph.D. candidate should demonstrate a strong academic background (GPA of B or better) and English fluency in spoken and written (e.g., Above IELTS 7 bands). Solid programming skills are required.

To Apply: Please submit a brief research statement, a curriculum vitae, a list of publications, and contact information for 2-3 references (not letters required at this stage) to bae@mtu.edu with title heading [Application]. The applications will start reviewing on July 15th, 2020, while continued to receive the applications until all positions are filled. The applicants must be eligible to work in the United States.