Postdoctoral Position Announcement

The SMART Lab (https://www.smart-laboratory.org) at Indiana University Bloomington is soliciting applications for a fully funded postdoctoral research position (up to 2 years) in the broad areas of **multi-robot systems (MRS), human-robot interaction (HRI), and robot learning**, beginning immediately. The postdoc will join SMART Lab, recently relocated from Purdue University, directed by Dr. Byung-Cheol Min, Professor of Computer Science and Intelligent Systems Engineering. The position offers opportunities to develop new research agendas while mentoring and collaborating with current graduate students on their projects. We are particularly seeking highly self-motivated individuals who are unafraid of failure, eager to take on challenging research problems, and committed to pushing the boundaries of robotics to solve real-world challenges.

SMART Lab's research spans both fundamental and applied domains, addressing complex problems in planning, control, algorithm development, and learning within diverse scientific and engineering contexts in robotics. In MRS, we focus on designing and controlling teams of robots operating in dynamic and uncertain environments through distributed control and coordination frameworks. This work emphasizes scalability, robustness, and efficiency, ensuring that robot teams can collaboratively perform tasks under real-world constraints. In HRI, we explore methods to enable flexible, adaptive, and effective interactions between humans and robots, accounting for diverse scenarios, contextual variations, and individual human characteristics. In robot learning, we develop advanced algorithms, adaptive control strategies, and learning-based frameworks that empower robots to acquire and refine skills autonomously and through intuitive human interaction.

Qualifications

- Education – Ph.D. in Robotics, Computer Science, Electrical and Computer Engineering, Mechanical Engineering, or a closely related field.
- Experience – Demonstrated research in robotics; strong background in real-world experiments; experience working with commercial robotic platforms; and prior experience mentoring graduate and/or undergraduate students. A record of publishing in top robotics and AI venues is expected.
- Skills – Excellent knowledge in designing and developing algorithms and robotic systems to solve real-world problems; ability to work independently; strong leadership, teamwork, and mentoring skills; curiosity and analytical skills; and effective oral and written communication skills.

Dates

- Review of applications will begin immediately and continue until the position is filled.
- The position is intended as a two-year appointment. Contracts will be issued annually, and continuation into the second year will be contingent on satisfactory performance and availability of funds.

To Apply – Email your up-to-date CV to Dr. Byung-Cheol Min at minb@iu.edu for initial screening. After reviewing your CV, we will reach out to schedule a Zoom interview with selected candidates.