

Living with Robots Safely : Embodying Asimov's First Law through Soft Robotics

IEEE RAS RoboSoft 2026 Full-Day Workshop

Asimov's First Law states that "**a robot may not injure a human being** or, through inaction, allow a human being to come to harm." This principle serves as the foundation of **trust** and **safety** in human–robot interaction. Soft robotics—with its compliant materials, deformable structures, and adaptive control—provides a tangible path to realizing this ideal. This workshop will highlight recent advances in soft robotics for wearable technologies, assistive systems, and human–robot collaboration, and will discuss how to define, verify, and balance safety with performance.

Topics

- Soft Robotics Safety
- Human–Robot Interaction
- Wearable and Assistive Systems
- Soft Materials and Actuators
- Safe Control Strategies
- ...and more are welcome

Call for Posters & Demonstrations

- Poster (5-min talk + poster)
- Demo (10-min talk + on-site robot demo)

Submission Deadline: Notification of Acceptance:
 - March 18, 2026 - March 25, 2026

Submission: shao-q@g.ecc.u-tokyo.ac.jp

Invited Speakers



Yukie Nagai
University of Tokyo



Shuguang Li
Tsinghua University



Yong-Lae Park
Seoul National University



Seppe Terryn
Vrije Universiteit Brussel



Jonathan Rossiter
University of Bristol



Kenjiro Tadakuma
Osaka University



Andrea Bertolini
Scuola Superiore Sant'Anna



Kenji Suzuki
University of Tsukuba



Matteo Cianchetti
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