

**IEEE INTERNATIONAL CONFERENCE ON
ADVANCED MOTION CONTROL (AMC 2026)**

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Advanced Motion Control for Human-Robot-Interaction

organized by

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Call for Papers

In super-aging society, there is no doubt that robots are expected to directly support human physicality. This is extremely important not only for supporting daily life but also for realizing a society capable of sustainable development. To achieve this, it is necessary to develop technology that achieves robust yet flexible and cooperative robotic motion in dynamically changing open environments. From the above viewpoint, this special session aims to bring researchers together to discuss recent advances in the field of human-robot-interaction. In particular, the special session will focus on, but is not limited to, the following topics of interest.

- New actuation and intelligent sensing technology
- Explicit and implicit force control
- Compliant and soft robotics
- Assistive robotics
- Medical and rehabilitation robotics
- Human-robot collaboration
- Physical robot-environment interaction

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