TAROS 2026

Towards Autonomous Robotics Systems

Call for Papers and Posters

(IEEE) TAROS 2026 Towards Autonomous Robotic Systems

Call for Papers and Posters

Manchester, UK 7th – 9th September 2026

Location: Nancy Rothwell Building - Blended B and Horseshoe rooms

Website: https://taros-conference.org

Submission: Papercept Submission Link

TAROS is the longest-running UK-hosted international conference on robotics and autonomous systems, aimed at the presentation and discussion of the latest results and methods in autonomous robotics research and applications.

In 2026, the conference is organised by the University of Manchester. The event will be held at the University of Manchester, Nancy Rothwell Building, from the 7th to the 9th of September. The programme includes the TAROS sessions (Sept 7-8) and a UK-RAS Postgraduate (Free) event on Sept 9th. The conference has Technical Sponsorship from the IEEE RAS Society and the IEEE UK-Ireland Chapter.

TAROS 2026 invites full paper and poster submissions for presentation at the conference. Full papers are invited from researchers at any stage of their career but should present significant findings and advances in robotics research; more preliminary work would be better suited to a poster submission. Full papers will be accepted for oral presentation. Posters will be accepted for display at the conference. All papers and posters will be subjected to a rigorous peer review process. The conference proceedings will be published by IEEE.

Topics of Interest:

Contributions are sought in all areas relevant to the overall goal of the conference, including, but not limited to:

- Advanced materials and techniques
- Advanced sensors and actuators

- Aerial robots (unmanned- and micro-air vehicles) space and planetary
- robotics
- Analysis of robot-environment interaction
- Applications development, hardware issues, devices, and techniques
- Assistive, service, and personal robotics
- Autonomous robots
- Autonomous vehicles
- Bio-mimetic, bio-inspired and bio-hybrid robotic systems
- Ethical and societal issues in robotics
- Evolutionary, cognitive, and developmental robotics
- Human-robot interaction
- Humanoid and walking robots
- Learning and adaptation
- Long-term interaction and operation
- Medical robotics, robots for surgery, and intelligent prosthetics
- Modelling and analysis
- Modular reconfigurable robots
- Multimodal interfaces
- Navigation, localisation, map building, and path planning
- Robot communication and language
- Robots in education, arts, and entertainment
- Safety, verification, and validation for robotic applications
- Soft and flexible robots
- Swarm, collective, and field robotics

This list of topics is not exhaustive. Due to the interdisciplinary nature of the conference, relevant contributions from other fields will also be welcome.

Key Dates for Authors:

Paper submission deadline: March 27, 2026

Notification: May 19, 2026

Final submission: June 2, 2026

Conference: September 7-9, 2026

Poster Track

Poster Abstract submission deadline: May 5, 2026

Notification: July 11, 2026

Final submission: August 1, 2026

Conference: September 7-9, 2026Instructions for Authors

Instructions for Authors:

The TAROS review process is single-blind.

Presentation Format

Oral presentations: 15-minute time slot – 12-minute presentation followed by a 3-minute question and answer session.

Paper Format

Paper submissions must be in IEEE format. Please refer to the style files and templates.

Full Paper Manuscripts are limited to six (6) with 2 additional pages (optional), exclusive of references.

Full papers will be presented as talks with the option of an additional poster.

All papers will appear in the printed proceedings.

Poster Format

Poster submissions must be in IEEE format. Please refer to the style files and templates.

Poster submission abstracts are limited to one (1) page, exclusive of references.

Poster presentation: Poster in portrait orientation fitting a board of 1210x2100mm (A1 or A0).

All accepted poster track submissions will appear on the TAROS 2026 website.