

The 1st International Workshop

Accessible, embodied and simulation-supported robotics learning

30 November 2026 · ICWL–SETE 2026 · Tenerife, Canary Islands, Spain

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Seats as proposed. Some members have accepted and others have been invited and not yet replied; the website is updated as replies come in.

CALL FOR PAPERS

Robotics is taught less often than it is wanted. A department that would like its students to program a robot arm is usually stopped by three things at once: the hardware costs more than a cohort can be given, the toolchain assumes a text language the students have not met, and a mistake in a first program is expensive in a way a mistake in a first web page is not.

TOPICS OF INTEREST

23 topics in four groups. A paper that sits across two of them is a paper this workshop wants.

Robots that run in a browser

- Browser-based robot simulators and web-delivered robotics laboratories
- Digital twins that validate a learner’s program before hardware executes it
- Remote laboratories and scheduled shared access to scarce hardware
- Sim-to-real transfer treated as a teaching event rather than an engineering one
- WebGL, WebXR and physics engines in the browser as a teaching substrate
- Offline-capable and low-bandwidth delivery for under-connected institutions

Robots you can afford to break

- Low-cost and open-hardware robot kits designed for cohorts, not demonstrations
- Modular assembly, calibration and sensor integration as taught activities
- Safety, risk assessment and institutional approval for classroom robots
- Maintenance, technician load and the real total cost of a teaching fleet
- Physical computing, tangible interfaces and making as robotics pedagogy

How a beginner says what a robot should do

- Block-based, visual and dataflow programming environments for robots
- Large language models as tutors, explainers and debuggers for robot code
- Natural-language and multimodal specification of robot behaviour
- Transitions from blocks to text: when to make them and what is lost
- Generative AI for task, scenario and assessment-item generation

Whether any of it worked

- Automated and rubric-based assessment of learner-authored robot behaviour
- Learning analytics from simulator traces, telemetry and version history
- Competency frameworks, curricula and progression in educational robotics
- Accessibility and inclusion: disabled learners, and under-resourced institutions
- Teacher preparation, professional development and institutional adoption
- Replications, negative results and studies that report what did not transfer
- Open datasets, benchmarks and shared teaching resources

WHAT TO SEND

Full paper 12–15 pages

Completed work: a system with an evaluation, a study with results, or a framework with evidence behind it.

Short paper 6–11 pages

Work in progress, an early study, a focused technique, or a well-argued position with data.

Demonstration paper up to 4 pages

A tool, kit or simulator shown running. Bring the hardware or the browser tab; the session is built around things that work, including things that only just work.

Papers follow the Springer LNCS format and are reviewed double-blind, at least three reviewers per paper. Accepted papers appear in the Springer Lecture Notes in Computer Science series, published jointly alongside the ICWL–SETE 2026 post-conference proceedings. The conference has not yet stated which LNCS volume carries workshop papers, and no volume number or ISBN has been published. At least one author of every accepted paper must register at the full rate — including when all authors are students — for the paper to appear in the proceedings.

RoboATELIER 2026 will accept papers through EasyChair. The track is being set up with the ICWL–SETE workshop chairs, and the link appears here — and in the call for papers — as soon as it exists.

KEY DATES

- 30 September 2026 Paper submission
- 16 October 2026 Notification to authors
- 30 November 2026 Workshop day
- 1–3 December 2026 Main conference
- 31 October 2026 Camera-ready due

A filled marker is fixed by ICWL–SETE 2026 and cannot move; an open one was set by this workshop. Paper submission closes 23:59 AoE.

The full call for papers, the topic list in full, the programme, and the committee are published at **robo.hcr.rs**. ICWL–SETE 2026 registration includes admission to all ICWL and SETE sessions, tutorials and workshops.

