

CALL FOR PAPERS | HYBRID FORMAT

PARALLEL 2026

The 5th International conference on Theory, applications and future trends for

PARALLEL ROBOTIC MANIPULATORS

18-20 Nov 2026, Abu Dhabi, United Arab Emirates & ONLINE

About The Conference

World Parallel, also known as Parallel, is the flagship technical meeting dedicated to parallel kinematic mechanisms (PKMs) and related closed-chain and hybrid architectures. The conference brings together researchers and practitioners from around the world working on the theory, design, modelling, control, manufacturing, and applications of parallel mechanisms in areas such as machining, medical and surgical robotics, haptics, aerospace, construction, and beyond.

Following the tradition of the 2002 Québec, 2008 Montpellier, 2014 Tianjin, and 2020 Belfast editions, held at six-year intervals, the 2026 meeting will take place in Abu Dhabi, UAE, in a hybrid format, with participation available both in person and online. The program will feature peer-reviewed papers, invited keynotes, tutorials, workshops, industrial demonstrations, a student forum, and special sessions on emerging topics such as reconfigurable and multi-mode mechanisms and cable-driven parallel robots.

Topics of interest include, but are not limited to:

Core theory:

architecture & type synthesis, kinematics, dynamics, stiffness/accuracy.

Methods:

control & optimization, AI/data-driven modeling, digital twins.

Practice & impact:

HRI & safety, standards/benchmarks, open datasets, education & reproducibility.

Sensing & calibration:

vision/servoing, sensor fusion, embedded metrology.

Mechanism classes:

reconfigurable/metamorphic, CDPRs, hybrid serial-parallel, soft/continuum, over/under-constrained mechanisms.

Applications:

machining, medical/surgical (RCM) applications, micro/meso systems, haptics, construction, space/underwater, agriculture, inspection/maintenance.

Paper Submissions

All submissions will be peer-reviewed by at least two reviewers. Papers should be submitted via EasyChair <https://easychair.org/conferences/?conf=pkm2026>. Full papers should have 6 to 12 pages on the paper template. The submission guidelines, including the paper template, are available here.

All accepted and presented full papers will be published in Springer Mechanism and Machine Science series which is indexed by Scopus and Ei Compendex.

Short/industry/position papers with a length of 4 pages on the paper template are also welcome for presentation but they will not be included in the Springer series.

Important Dates

31 August 2026

Paper submission deadline

30 September 2026

Review notification

10 October 2026

Final manuscripts due

Abu Dhabi – A Hub for Innovation and Culture

Abu Dhabi is at the forefront of robotics and artificial intelligence, supported by a \$4B national AI strategy aiming to become the world's first fully AI-native government by 2027. Institutions such as Khalifa University, Mohamed bin Zayed University of Artificial Intelligence (MBZUAI), the Advanced Technology Research Council, and NYU Abu Dhabi are advancing cutting-edge work in robotics, autonomous systems, and AI-driven applications.

Beyond technology, Abu Dhabi offers a rich cultural experience through Louvre Abu Dhabi, Manarat Al Saadiyat, Abu Dhabi Art, Sorbonne Abu Dhabi, and NYU Abu Dhabi's arts programs, making the city a vibrant meeting point of science, innovation, and heritage.

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For more information, please visit the conference website:

<http://www.pkm2026.info>