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Call for Papers

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IFToMM

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

About The Conference

World Parallel or 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 across the world working on theory, design, modelling, control, manufacturing, and applications of parallel mechanisms in domains such as machining, medical and surgical robotics, haptics, aerospace, construction, and more.

Following the convention of the 2002 (Québec), 2008 (Montpellier), 2014 (Tianjin) and 2020 (Belfast) editions that are six years apart, the 2026 meeting in Abu Dhabi, UAE, will feature peer-reviewed papers, invited keynotes, tutorials, workshops, industrial demos, a student forum, and special sessions on emerging topics (e.g., reconfigurable/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 (incl. singularity-robust), AI/data-driven modeling, digital twins.
- **Mechanism classes:** reconfigurable/metamorphic, CDPRs, hybrid serial–parallel, soft/continuum, over/under-constrained mechanisms.
- **Sensing & calibration:** vision/servoing, sensor fusion, embedded metrology.
- **Applications:** machining, medical/surgical (RCM), micro/meso, haptics, construction, space/underwater, agriculture, inspection/maintenance.
- **Practice & impact:** HRI & safety, standards/benchmarks, open datasets, education & reproducibility.

Paper Submissions

All submissions of full papers (6-8 pages) , will be peer-reviewed by at least two reviewers. Full paper should be submitted via Easychair https://easychair.org/conferences/?conf=pkm2026

Important Dates

- 📅 **20 May 2026** –Paper submission deadline
- 📅 **10 July 2026** – Review notification
- 📅 **31 July 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.

For more information, please visit the conference website:
https://ku.events/parallel2026