



10th IFAC Symposium on Mechatronic Systems & 14th IFAC Symposium on Robotics
July 15–18, 2025 || Paris, France

CALL FOR PAPERS

ORGANIZING COMMITTEE

General Co-Chair Mechatronics
Micky Rakotondrabe, UTTOP

General Co-Chair Robotics
Samer Mohammed, UPEC

National Organizing Chair Mechatronics
Mokrane Boudaoud, Sorbonne Université

National Organizing Chair Robotics
Viviane Pasqui, Sorbonne Université

IPC Chair Mechatronics
Wolfgang Kemmetmüller, TU Wien

IPC Chair Robotics
Kyoungchul Kong, KAIST

IMPORTANT DATES

Dec 31, 2024 (Dec 1, 2024) IFAC
Mechatronics journal submission with
presentation at the Symposia

Jan 10, 2025 (Dec 10, 2024) Invited
sessions & WS/Tuto deadline

Jan 15, 2025 (Dec 15, 2024)
Contributed and invited papers
deadline

Jan 15, 2025 (Dec 15, 2024) Extended
Abstract deadline

March 15, 2025 Notification of
acceptance

April 15, 2025 Early Birds registration

April 15, 2025 Final papers deadline

See you in Paris, July 2025

The 10th IFAC Symposium on Mechatronic Systems (MECHATRONICS 2025) and the 14th Symposium on Robotics (ROBOTICS 2025) are merging into a single event for the first time. The joint IFAC Symposium, Mechatronics and Robotics 2025, will be held in Paris, France, from July 15-18, 2025, at the International Conference Center of Sorbonne University.

The University of Technology Tarbes Occitanie Pyrénées, the Sorbonne University, and the University of Paris-Est Créteil are jointly organizing this event. Mechatronics and Robotics 2025 Symposia event is primarily sponsored by the International Federation of Automatic Control (IFAC), with additional technical support from IFAC Technical Committees on Mechatronic Systems (TC4.2), Robotics (TC4.3), Human Machine Systems (TC4.1), and from the French GDR MACS and SAGIP.

The symposia offer various submission options:

- **Article Submission:** Submit an article to the IFAC Mechatronics journal and present it at a symposium.
- **Regular Paper (4 to 6 pages):** Submit a regular paper to a symposium.
- **Invited Paper (4 to 6 pages):** Submit an invited paper in an invited session.
- **Extended Abstract (2 to 4 pages):** Submit an extended.
- **Workshop or Tutorial:** Organize a workshop or tutorial.
- **Workshop or Tutorial Presentation:** Present at a workshop or a tutorial session.
- **Invited Session Organization:** Organize invited sessions.

For each submission, the contributor should decide whether it aligns more closely with the Symposium on Mechatronic Systems or Symposium on Robotics and submit the manuscript accordingly. Following the event, authors of chosen regular and invited papers will be invited to expand their work for a special issue of the IFAC Mechatronics journal.

Scopes are, but not limited to:

Mechatronics:

- Mechatronic system integration
- Mechatronic system analysis and optimization
- Modeling and hardware-in-the-loop simulation
- Estimation and control methods for mechatronic systems
- Fault detection, diagnostics and prognostics in mechatronic systems
- Application of mechatronic principles
- Motion and vibration control systems
- Smart structures
- High-precision mechatronics
- Nanopositioning
- Dynamics and control of MEMS
- Human mechatronics and human-machine interaction
- Mechatronics for mobility systems
- Biomedical mechatronic systems
- Mechatronics for robotic systems
- Mechatronics for advanced manufacturing processes
- Power and energy systems
- Energy harvesting

Robotics:

- Robot control: adaptive, robust, learning
- Modeling and identification
- Force and compliance control
- Assistive and rehabilitation robotics
- Wearable robotics: Exoskeletons/Orthoses/Prostheses
- Collaborative robots
- Human-robotics interaction
- Telemanipulation
- Micro/Nano robotics
- Networked robots
- Sensory based robot control
- Mobile robots and vehicles
- Humanoid robots
- Surgical robotics
- Implantable robotics
- Robots for homecare and aging
- Biologically-inspired robotics
- Soft robotics
- Computer vision for robotics

More information...

More information about the event can be found at: <https://ifac2025-msrob.com/>. Guidelines for authors are available at: IFAC author guide. All contributions (regular and invited papers, extended abstracts, WS/Tuto and invented sessions organization) should be submitted through Papercept (<https://ifac.papercept.net/>). All contributions to the IFAC Mechatronic journal with presentation at one of the symposia should be submitted directly through the journal website: <https://www.editorialmanager.com/mech/>.



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Accepted papers that have been presented at an IFAC meeting will be published in the proceedings of the event using the open-access IFAC-PapersOnLine series hosted on ScienceDirect (<https://www.sciencedirect.com/>). To this end, the author(s) must grant exclusive publishing rights to IFAC under a Creative Commons license when they submit the final version of the paper. The copyright belongs to the authors, who have the right to share the paper in the same terms allowed by the end user license, and retain all patent, trademark and other intellectual property rights (including research data).

Symposia website: <https://ifac2025-msrob.com/>