



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 1, 2024 IFAC Mechatronics journal submission with presentation at the Symposia
  - Dec 10, 2024 Invited sessions & WS/Tuto deadline
  - Dec 15, 2024 Contributed and invited papers deadline
  - 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. Max length should be equivalent to 6 pages of Symposium format.
- **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:	Robotics:
<ul style="list-style-type: none"> <li>• Mechatronic system integration</li> <li>• Mechatronic system analysis and optimization</li> <li>• Modeling and hardware-in-the-loop simulation</li> <li>• Estimation and control methods for mechatronic systems</li> <li>• Fault detection, diagnostics and prognostics in mechatronic systems</li> <li>• Application of mechatronic principles</li> <li>• Motion and vibration control systems</li> <li>• Smart structures</li> <li>• High-precision mechatronics</li> <li>• Nanopositioning</li> <li>• Dynamics and control of MEMS</li> <li>• Human mechatronics and human-machine interaction</li> <li>• Mechatronics for mobility systems</li> <li>• Biomedical mechatronic systems</li> <li>• Mechatronics for robotic systems</li> <li>• Mechatronics for advanced manufacturing processes</li> <li>• Power and energy systems</li> <li>• Energy harvesting</li> </ul>	<ul style="list-style-type: none"> <li>• Robot control: adaptive, robust, learning</li> <li>• Modeling and identification</li> <li>• Force and compliance control</li> <li>• Assistive and rehabilitation robotics</li> <li>• Wearable robotics: Exoskeletons/Orthoses/Prostheses</li> <li>• Collaborative robots</li> <li>• Human-robotics interaction</li> <li>• Telemanipulation</li> <li>• Micro/Nano robotics</li> <li>• Networked robots</li> <li>• Sensory based robot control</li> <li>• Mobile robots and vehicles</li> <li>• Humanoid robots</li> <li>• Surgical robotics</li> <li>• Implantable robotics</li> <li>• Robots for homecare and aging</li> <li>• Biologically-inspired robotics</li> <li>• Soft robotics</li> <li>• Computer vision for robotics</li> </ul>

## 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/>.



**IFAC COPYRIGHT CONDITIONS** All publication material submitted for presentation at an IFAC-sponsored meeting (Congress, Symposium, Conference, Workshop) must be original and hence cannot be already published, nor can it be under review elsewhere. The authors take responsibility for the material that has been submitted. IFAC-sponsored conferences will abide by the highest standard of ethical behavior in the review process as explained on the Elsevier webpage (<https://www.elsevier.com/authors/journal-authors/policies-and-ethics>), and the authors will abide by the IFAC publication ethics guidelines (<https://www.ifac-control.org/conferences/organizers-guide/PublicationEthicsGuidelines.pdf/view>). 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).