

October 22-24, 2025, Lima, Peru

## CALL FOR PAPERS

### NATIONAL ORGANIZING COMMITTEE

**Chair**  
Javier Sotomayor, PUCP (Peru)

**Co-chair**  
Gustavo Pérez, PUCP (Peru)

**Vice-chair from industry**  
Renzo Macher, Buenaventura Mining (Peru)

### INTERNATIONAL PROGRAM COMMITTEE

**Chair**  
Chris Aldrich, Curtin University (Australia)

**Vice-chair**  
Chunhua Yang, Central South University (China)

**Vice-chair from industry**  
Kevin Brooks, Johannesburg (South Africa)

### PROGRAM EDITOR

Derik Le Roux, University of Pretoria (South Africa)

### LOCAL ORGANIZING COMMITTEE

Edmundo Alfaro, PUCP (Peru)

Francisco Cuellar, PUCP (Peru)

Raúl Yanyachi, UNSA (Peru)

Julio Palomino, Las Bambas Mining (Peru)

### IMPORTANT DATES

**May 20, 2025:** invited sessions &  
WS/Tutorials deadline

**May 31, 2025:** papers submission deadline

**June 20, 2025:** early registration opens

**June 30, 2025:** notification of acceptance

**July 31, 2025:** final submission due

**August 1, 2025:** normal registration opens

<https://conferences.ifac-control.org/mmm2025/>  
Email: [mmm@pucp.edu.pe](mailto:mmm@pucp.edu.pe)



The 20th IFAC Symposium on Control, Optimization and Automation in Mining, Minerals and Metal Processing (MMM 2025), will be held in Lima, Peru, 22-24 October 2025, organized by Pontificia Universidad Católica del Perú (PUCP) and sponsored by International Federation of Automatic Control (IFAC)

The aim is to provide a platform for academy and industry to build up new networks and strengthen existing collaborations. In this event high-level speakers will present the global spectrum of control, optimization and automation in mining, minerals and metal processing, in this way the attendees will gain insights into state-of-the-art applications, and emerging research directions. This symposium is an opportunity for researchers, practitioners and students from various fields to present their research findings and discuss advancements in a context of global audience.

Key topics of focus for MMM 2025 include, i.e., energy optimization, process safety, waste treatment, autonomous vehicles and artificial intelligence in industry. Special sessions, plenary lectures, tutorials and roundtables will highlight industrial-academic projects, challenges, and applications.



### PAPER SUBMISSION

All papers must be written in English and should describe original work (comply with IFAC copyright conditions). Submitted papers will have an extension between 4 (minimum) and 6 (maximum) pages. Accepted papers that have been presented will be published in IFAC-PapersOnLine.

#### Registration

- regular registration allows an author upload up to 2 accepted (co-) authored papers.
- student registration allows an author upload up to 1 accepted (co-) authored paper.
- all submission via the online system at Papercept according to IFAC author guide.

### Topics of interest include, but are not limited to:

- Control and Automation in MMM
- Process optimization and modelling
- Mineral processing and beneficiation
- Metallurgical processes and smelting
- Metal processing and recycling
- Artificial Intelligence in industry
- Cybersecurity and cyber-physical systems
- Process safety
- Autonomous vehicles in industry
- Integration of technologies
- Sensor technologies and instrumentation
- Waste treatment
- Environmental impact management
- Case studies and industrial applications
- Education in process control and automation

### 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/events/organizersguide/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://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).