

4th CIRP Conference on Composite Material Parts Manufacturing

Roma Tre University, Rome, Italy — 14-16 October 2026

Conference Topics:

The CIRP CCMPM 2026 conference is intended to foster the exchange of visions, recent developments, and research findings in the field of composite material parts manufacturing at an international level. Topics of the conference include, but are not limited to, the following:

Sustainability and Circularity

- ◆ Sustainability in manufacturing
- ◆ Life Cycle Analysis (LCA)
- ◆ Composite materials recycling
- ◆ Circular economy applications
- ◆ Manufacturing with recycled materials
- ◆ Energy and resource efficient manufacturing
- ◆ Bio-based composite materials
- ◆ Bio-inspired, bio-integrated, bio-intelligent manufacturing

Part Generation

- ◆ Manufacturing technologies
- ◆ Preforming and handling technologies
- ◆ Automation and digital twin
- ◆ Process modelling and monitoring
- ◆ Manufacturing process optimisation
- ◆ Integrated composite structures
- ◆ Additive manufacturing
- ◆ Hybrid Parts Manufacturing
- ◆ Machine tools and special machinery

Part Finishing, Quality & Assembly

- ◆ Post processing technologies & modelling
- ◆ Traditional and non-traditional machining

- ◆ Machinability issues
- ◆ Sensors and sensing techniques
- ◆ Part finishing technologies
- ◆ Joining technologies
- ◆ Assembly and disassembly
- ◆ Metrology & material characterisation
- ◆ Non-destructive evaluation
- ◆ Quality control, assurance & management

Design, Simulation and AI

- ◆ Manufacturing processes modelling & simulation
- ◆ Part design & modelling technologies
- ◆ Fiber-matrix interaction modelling & simulation
- ◆ Structural analysis and optimisation
- ◆ Smart structure design
- ◆ Multi-functional composite parts
- ◆ Artificial Intelligence & Machine Learning
- ◆ Augmented & virtual reality
- ◆ Cyber-physical systems & cloud manufacturing
- ◆ Human-centric design & manufacturing

Any other topic related to the conference scope

CIRP CCMPM 2026 Conference Committee:

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Alessandra Caggiano (Italy)

Conference Co-chair:

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Konrad Wegener, Switzerland
Rafi Wertheim, Israel
Michael Zaeh, Germany

Important dates:

Abstract submission: 28 February 2026

Full paper submission: 31 May 2026

Conference dates: 14-16 October 2026

Publications

For details on abstracts and full paper submissions, please visit the conference website. Full papers will be published in a special issue of Procedia CIRP by Elsevier, available online at: <https://www.sciencedirect.com/journal/procedia-cirp>.

Venue

The CIRP CCMPM 2026 Conference will be held at the Department of Industrial, Electronic and Mechanical Engineering (DIEM), Roma Tre University, Rome, Italy. Founded in 1992, Roma Tre University has gained a strong reputation within the academic community for its high-quality teaching and research programmes, revitalising Rome's industrial past and transforming historic sites into spaces for research and learning, thus creating knowledge hubs in the city's heart. The Conference offers you the opportunity to visit (or revisit) the city of Rome, renowned for its remarkable concentration of historical, archaeological, and architectural heritage.

Contacts

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Conference Secretariat

For further information, please visit the conference website or contact the Conference Secretariat at:

E-mail: info@cirp-ccmpm2026.org

More information at <https://cirp-ccmpm2026.org/>

