

CONFERENCE TOPICS

Authors are invited to submit original and unpublished papers focusing on the following themes:

ADVANCED MACHINING AND PROCESSING TECHNOLOGIES

- Advanced cutting technologies
- Machining of high-performance materials
- Tool wear and tool geometry optimization
- Cutting forces and vibration analysis
- High-speed machining
- Hybrid and non-conventional processes (EDM, ECM, additive-subtractive)
- Sustainable machining
- Cutting tool materials and tool design
- Modular tooling and tool management
- Surface topography, friction, wear, lubricants and coatings
- Triboanalysis, tribomonitoring, tribometry

FLEXIBLE AND SMART MANUFACTURING SYSTEMS

- Flexible Manufacturing Systems (FMS)
- Reconfigurable manufacturing systems
- Cyber-physical production systems
- Digital integration of production lines
- Industry 4.0 / Industry 5.0 concepts
- Industrial IoT architectures
- Predictive maintenance modeling
- Digital twins of machining and production systems

PRODUCTION PLANNING AND OPTIMIZATION

- Process planning methodologies
- Adaptive process planning
- Production optimization
- Logistics and supply chain in manufacturing
- AI and machine learning in production planning
- Data-driven decision systems
- Cloud manufacturing

MODELING, SIMULATION AND METROLOGY

- Legal metrology, standardization;
- Measurement systems and instrumentation
- 3D digitization and reverse engineering, CAD Inspection
- Data analytics for quality and condition monitoring
- Precision engineering, calibration, CAQ/CAI
- FEM / FEA in manufacturing
- Multi-physics modeling
- Process simulation and optimization
- Dynamic modeling of machine tools
- Bearing systems and structural analysis
- Process monitoring systems
- Experimental design and statistical analysis
- Eco-design and Life Cycle Assessment (LCA) of products and processes

MATERIALS, METAL FORMING, CASTING AND WELDING

- Materials in production engineering
- Metal forming technologies
- Casting technologies
- Welding technologies
- Heat treatment technologies, nanotechnologies and surface engineering technologies
- Plastics shaping technologies control of biomedical products

PAPER APPLICATION and CONFERENCE FEES

Paper submission for the MMA 2027 Conference is done using the **SPRINGER** online management system at www.mma.ftn.uns.ac.rs/registration.html
Template for paper formatting can be downloaded from the <https://mma.ftn.uns.ac.rs/call-for-papers.html>



Accepted papers will be published in the **Springer Proceedings** which will be indexed in Scopus and Ei-Compindex

	Early Payment fee (until June 30, 2027)	Late Payment fee (until August 15, 2027)
Academic fee	250 €	300 €
Business fee	350 €	400 €

Registration fee includes full access to: All scientific sessions, Industry Panel and Workshops, Conference materials, Coffee breaks and refreshments, Welcome cocktail reception, Gala dinner event.

DEADLINES

Full paper submission deadline:	April 15, 2027
Notification of paper acceptance:	May 30, 2027
Early Bird Payment deadline :	June 30, 2027
Deadline for late Payment:	August 15, 2027
Final conference program:	September, 01, 2027
Conference dates:	September 22–24, 2027

KEYNOTE SPEAKERS



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Novi Sad

Faculty of
Technical
Sciences

Department of
Production
Engineering



16th
International
Scientific
Conference

Established in 1976

MMA 2027

FLEXIBLE AND SMART
TECHNOLOGIES
FOR ADVANCED
MANUFACTURING



Mövenpick Resort and
Spa Fruške Terme,
Fruška gora, Serbia
September 22–24, 2027

Information
and
Call for papers

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ABOUT THE CONFERENCE

Established in 1976, the MMA conference has become an important meeting point for researchers, engineers and industry professionals working in the field of production engineering and advanced manufacturing.

MMA 2027 – Flexible and Smart Technologies for Advanced Manufacturing continues the long-standing tradition of the 16th International Scientific Conference MMA, organized by the Department of Production Engineering at the Faculty of Technical Sciences, University of Novi Sad.

The 2027 edition of the conference will focus on flexible and smart technologies that enable the transformation of modern production systems, including intelligent manufacturing, digital integration of production processes, advanced machining technologies, production planning and optimization, modeling and simulation of manufacturing systems, as well as metrology and data-driven monitoring of industrial processes.

Accepted papers will be published by **Springer MMS Series Proceedings** under title "Flexible and Smart Technologies for Advanced Manufacturing", indexed in **Scopus** and **Ei-Compindex**.

DATES and VENUES

The Conference will be held from **September 22–24, 2027**, at the **Mövenpick Resort and Spa Fruške Terme** in Serbia.



Accommodation reservations can be made via the [hotel website](http://www.mma.ftn.uns.ac.rs) or through the [conference web site](http://www.mma.ftn.uns.ac.rs)

INFORMATION

For more information regarding the Conference, please visit www.mma.ftn.uns.ac.rs

For any question do not hesitate to contact us directly:

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16th INTERNATIONAL SCIENTIFIC CONFERENCE
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