

4th International Conference on
**Design, Simulation, Manufacturing:
The Innovation Exchange**



DSMIE-2021

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engineering, and education.
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DSMIE-2021

Organizers

- Sumy State University
- Lviv Polytechnic National University
- International Association for Technological Development and Innovations

Partners

- Technical University of Kosice, Slovak Republic
- Kielce University of Technology, Poland
- University of West Bohemia, Czech Republic
- Poznan University of Technology, Poland
- Association for Promoting Innovative Technologies - InnovativeFET, Croatia
- Industry in Focus, Ukraine

Conference Scope

*Where science, industry, and
education meet*

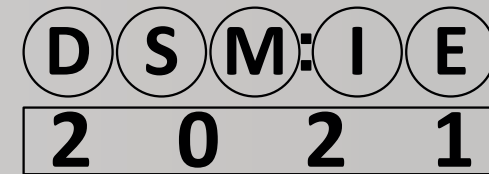
DSMIE-2021 focuses on research challenges in the fields of

- **Manufacturing Engineering,**
- **Materials Engineering,**
- **Mechanical Engineering, and**
- **Chemical Engineering,**

addressing current and future trends in design approaches, simulation techniques, computer-aided systems, software development, ICT tools and Industry 4.0 strategy implementation for engineering tasks solving.

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4th International Conference on
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June 8-11, 2021 | Lviv, Ukraine



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<http://dsmie.sumdu.edu.ua>

The working language of DSMIE-2021 (including conference proceedings, presentations and discussions) is English.

Accepted papers must be presented at the conference by one of the authors, who commit to register and attend the conference.

The Steering Committee reserves the right not to publish papers not presented at the conference.

DSMIE-2021 Conference Proceedings will be evaluated for publication in Advances in Design, Simulation and Manufacturing IV, Lecture Notes in Mechanical Engineering (book series). Paper submission is supported by EasyChair Conference Management System. The submission page is <https://easychair.org/conferences/?conf=dsmie2021>



Important Dates

October 31, 2020	Paper submission
December 10, 2020	Acceptance notification
December 24, 2020	Camera-ready version
December 25, 2020	Registration/Fee payment
June 8-11, 2021	Conference dates

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Conference Topics

Manufacturing Engineering

- CAx Technologies for Product Design and Advanced Manufacturing Processes
- Intelligent Manufacturing Systems, Automation, and Robotics
- Smart Manufacturing and Industry 4.0 Strategy
- Information Management Systems
- ICT for Engineering Education

Materials Engineering

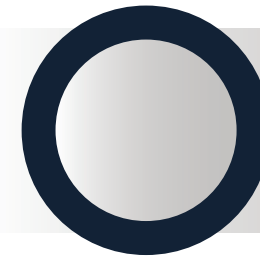
- Methods and Technologies for Additive Manufacturing
- Advanced Materials
- Theoretical Fundamentals and Mathematical Modeling
- Numerical Simulation and Optimization Techniques
- Resource-Saving and Energy Efficient Technologies

Mechanical Engineering

- Mechanics of Solids and Structures
- Dynamics, Acoustics, and Vibrations
- Elasticity and Strength of Materials
- Hydro- and Aeromechanics
- Numerical Simulation of Coupled Problems

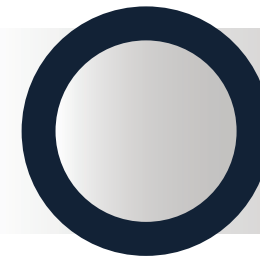
Chemical Engineering

- Chemical Process Technology and Plant Design
- Thermodynamics, Heat and Mass Transfer
- Energy Efficient Technologies, Conversion, and Utilization
- Alternative and Renewable Energy Sources
- Industrial Ecology and Sustainable Engineering



DSMIE Conference Series recognized by Springer and indexed by Scopus and Web of Science Core Collection

It is an excellent opportunity for discussion recent research achievements and ideas exchange



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Agenda

June 8	Registration
June 9	Keynote Sessions & Poster Session
June 10	Technical Sessions & Industry Tour
June 11	Technical Sessions & Awards