



XXVII FLUID MECHANICS CONFERENCE

23-26 JUNE 2026 - ŁÓDŹ - POLAND

Conference Topics

- Aerodynamics
- AI and machine learning in fluid mechanics
- Biological flows
- Combustion and reactive flows
- Computational fluid dynamics
- Environmental fluid mechanics
- Experimental methods in fluid mechanics
- Flow machinery
- Flow control and optimization
- Fluid-structure interaction
- General fluid dynamics
- Micro- and nanofluidics
- Multiphase flows and complex fluids
- Thermal-fluid problems
- Turbulence and transition

Important Dates

01.10.2025 - Start of online registration
31.12.2025 - Abstract submission deadline
02.02.2026 - Notification of abstract acceptance
16.03.2026 - Early bird registration deadline
31.05.2026 - End of registration

Venue

Institute of Physics
Lodz University of Technology
93-005 Łódź
ul. Wólczańska 217/221
Building B14

www.fmc2026.info.p.lodz.pl

fmc2026@info.p.lodz.pl

Plenary Lectures

Prof. Colm-cille P. Caulfield
University of Cambridge
Stratified Turbulence: Climate's Mysterious Mixer

Prof. Paul Cizmas
Texas A&M University
*Reduced-Order Models and Machine Learning
of Unsteady Flows*

Prof. Manuel García-Villalba
TU Wien
*Computational Modelling of Flow and Transport
Phenomena in the Left Atrium*

Prof. Ramis Örlü
Oslo Metropolitan University
*High-Resolution or High-Illusion? Revisiting the Role
of Hot-Wire Anemometry in Wall Turbulence*

Semi - Plenary Lectures

Dr Tomasz Bobiński
Warsaw University of Technology
*Nature-Inspired Cloaking Technology in Water
Waveguide Systems*

Prof. Paweł Flaszynski
Polish Academy of Sciences
*Shock Wave Boundary Layer Interactions
in Compressor Configurations*

Dr Michał Lipian
Lodz University of Technology
*Surrogate Modelling in the GPU Era: Rethinking
the Role of Low-Fidelity Aerodynamic Models*

Prof. Maciej Marek
Czestochowa University of Technology
Fluid Flow Through Randomly Packed Particles



Lodz University
of Technology



MAYOR OF THE CITY OF LODZ
HANNA ZDANOWSKA



POLISH ACADEMY OF SCIENCES

Committee
for Mechanics



ERCOFAC
European Research Community On
Flow, Turbulence And Combustion



Rok zal. 1958



Located in the very heart of Poland, Łódź delights with its diverse attractions and unique atmosphere

Piotrkowska Street – the historical axis of Łódź, stretching 4.2 km, lined with numerous revitalized Art Nouveau tenement houses and former factories, monuments, and historical landmarks

Poznański Palace and the revitalized **Manufaktura** complex – formerly the largest textile factory in Łódź

Museum of Modern Art

The only **Museum of Cinematography** in Poland

Central **Museum of Textiles** – the most important of its kind in Central Europe

Łódź Film Trail – a tourist route dedicated to the city's cinematic heritage

EC1 Science and Technology Center

Marek Edelman Dialogue Center – a modern institution dedicated to memory, history, and the identity of Łódź as a city of four cultures

The Old Jewish Cemetery – a historic site, the largest Jewish cemetery in Poland and one of the largest in Europe

Księży Młyn – a revitalized 19th-century industrial housing estate, now a unique example of urban regeneration

Modern **Philharmonic Hall**

The best **Orientalium** in Poland

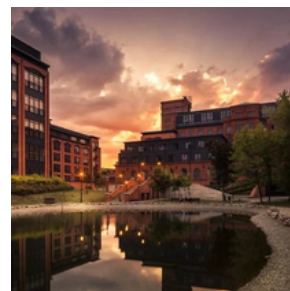
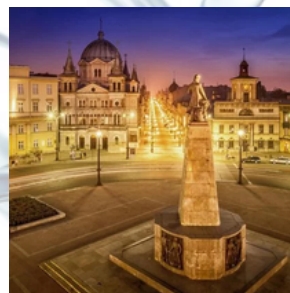
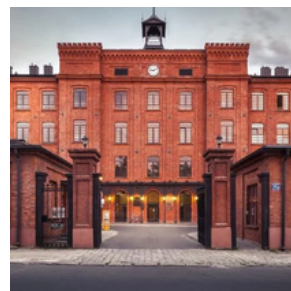
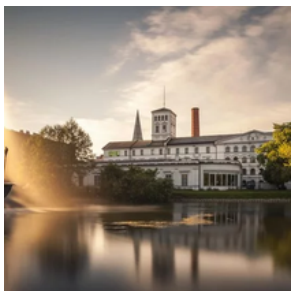
Botanical Garden and **Palm House**

Fala **Aquapark**

Modern **sports** and **entertainment arena**

Over 30 beautiful city **parks**, plus Łągiewnicki Forest

Dozens of cultural **festivals** and **reviews** held annually



Lodz University
of Technology



Lodz University of Technology enjoys a **high position in Poland** and **strengthens it on the international stage**, also thanks to its active membership in the **European Consortium of Innovative Universities (ECIU)**. In its 80-year tradition, TUL continuously improves the quality of education, conducts research, and responds to the needs of the socio-economic environment.

The university **offers education at the undergraduate, graduate, doctoral, and postgraduate levels**, and also develops the idea of Life Long Learning by offering classes at the University of the Third Age, a general secondary school, the Lodz Children's University, a kindergarten, and a nursery.

TUL is among the **20 Polish universities implementing the Excellence Initiative - Research University program**.

Unique Campus

Lodz University of Technology, has a **37-hectare campus** in the heart of the city, modern pavilions as well as revitalized, **post-industrial buildings** surrounded by **lush greenery**. Former villas and palaces of industrialists of a bygone era next to steel and glass structures.

Venue

FMC 2026 will be held in Łódź, at the **Institute of Physics**, Faculty of Technical Physics, Information Technology and Applied Mathematics, on the campus of the **Lodz University of Technology**.

