

XXVII FLUID MECHANICS CONFERENCE 23-26 JUNE 2026 - ŁÓDŹ - POLAND

Conference Topics

- Aerodynamics
- Al 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 Flaszyński

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





Welcome to ŁÓDŹ





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



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 Orientarium in Poland

Botanical Garden and Palm House

Fala **Aquapark**

Modern sports and entertainment arena

Over 30 beautiful city parks, plus Łagiewnicki Forest

Dozens of cultural festivals and reviews held annually





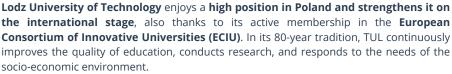






of Technology





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.





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.



