



# 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. Wólczajska 217/221  
Building B14

[www.fmc2026.info.p.lodz.pl](http://www.fmc2026.info.p.lodz.pl)  
[fmc2026@info.p.lodz.pl](mailto: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*



Lodz University  
of Technology



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 Łagiewnicki 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**.

