



3rd European Conference on Non-Equilibrium Gas Flows 2018

28th February – 2nd March 2018, Strasbourg, France

Scope

Non-equilibrium gas flows are of great importance and touch a variety of industrial fields. In such flows various non-equilibrium transport phenomena appear, which cannot be tackled by the typical Navier-Stokes approach. Under these rarefied conditions the roles played by the interactions between the gas and the solid device surface as well as in between the gas molecules become essential.

Topics

The conference topics include, but are not limited to:

- Rarefied flows and heat transfer
- Micro/nanoscale flows, heat transfer and devices
- Gas-surface / gas-liquid interactions and chemistry
- Gas separation and mixing
- Evaporation, condensation and adsorption
- Processes, equipment and systems in non-equilibrium conditions
- Aerothermodynamics of high speed flows
- Vacuum gas flows and metrology
- Gas sensors and actuators, gas detection


In each of these fields, new developments will be presented, concerning:

- Modelling and simulation tools
- Materials and manufacturing techniques
- Experimental techniques and measurements

Submission Dates

- 1st November 2017: Short summary and extended abstract submission
- 1st December 2017: notification of acceptance
- 15th January 2018: final extended abstract submission

Venue

The conference venue is the University of Strasbourg, very close to the city's historic center. 

Chairmen

- Arjan Frijns (Eindhoven University of Technology)
- Stéphane Le Calvé (University of Strasbourg)
- Dimitris Valougeorgis (University of Thessaly)

More information

<http://mflu-negf-2018.com/>



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This conference will be held in parallel with the 5th European Conference on Microfluidics (μ Flu'18)