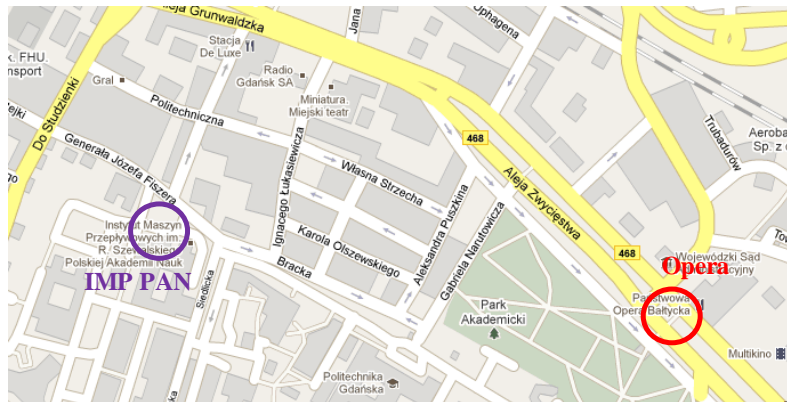


Venue

The ERCOFTAC Spring Festival 2011 will be held at the Institute of Fluid Flow Machinery, Polish Academy of Sciences, Fiszera 14, 80-952 Gdansk.

The Institute is easily accessible from the Gdansk City Centre by taxi or tram. Transport tickets are sold in newspaper kiosks. Taxi charge should be about 30 PLN \approx 7.50 Euro.

Due to the modernisation of tram lines there are modifications of the tram routes. But by tram lines 2, 5, 6, 8*, 9 and 11 you can get from the main railway station in Gdansk to the Opera stop, which is 10 min walk from the Institute, see the map below:



Airport Gdansk (Lech Walesa Airport) (<http://www.airport.gdansk.pl/>) is connected to a large number of locations in Europe by regular and cheap airlines (<http://www.airport.gdansk.pl/#/passenger/link>).

To get to the city there are two bus lines available:
No.: 110 to Gdansk-Wrzeszcz Railway Station (15 min walk from IMP)
No.: 210 to the Gdansk-Główny (Main) Railway Station (close to old city).
Taxi cost is about 70 PLN \approx 15 Euro.



ERCOFTAC Spring Festival 2011, Gdansk



12th – 13th May 2011
Instytut Maszyn Przepływowych
Polska Akademia Nauk
Fiszera 14, 80-952 Gdańsk

INFORMATION

ERCOFTAC, a world leader in applied fluid dynamics, is proud to announce details of the next **ERCOFTAC Spring Festival** to be held at the *Institute of Fluid Flow Machinery of the Polish Academy of Sciences in Gdansk, Poland* on the 12th and 13th of May 2011.

The aim of the First day of the Festival is the presentation of the research activities in Poland concerning Flow, Turbulence and Combustion. The proposed programme aims to give a balanced overview of present and future trends in Polish research activities, trying to cover the whole Poland.

The regional activities and future intentions of ERCOFTAC's Polish Pilot Centre will also be presented by its Coordinator, Prof. S. Drobniak.

Speakers:

Prof. Jaroslaw Mikielewicz	Managing Director of IMP PAN
Prof. Jan Kiciński	Deputy Director of IMP PAN
Dr. Dariusz Kardaś	IMP PAN, Head of Renewable Energy Dept.
Prof. Jacek Pozorski	IMP PAN, Head of Multiphase Flows Dept.
Prof. Janusz Badur	IMP PAN, Head of Energy Conversion Dept.
Dr. Michał Karcz	IMP PAN, Co-worker of Energy Conversion Dept.
Prof. Stan Drobniak	Częstochowa Univ. of Technology (CzUT), President of the ERCOFTAC Polish Pilot Centre
Prof. Andrzej Boguslawski	CzUT, Head of the Inst. of Thermal Machinery
Prof. Witold Elsner	CzUT, Co-worker of the Inst. of Thermal Machinery
Dr. Maciej Marek	CzUT, Co-worker of the Inst. of Thermal Machinery
Mgr inż. Artur Drozd	CzUT, Co-worker of the Inst. of Thermal Machinery
Prof. Marek Morzyński	Poznan University of Technology, Faculty of Thermal Engineering
Prof. Henryk Kudela	Wrocław Univ. of Techn., Fac. of Mech. and Pow. Eng
Prof. Anna Kucaba-Pietal	Rzeszow University of Technology, Dept. For Fluid Mechanics and Aerodynamics
Prof. Ewa Tuliszkó-Sznitko	Poznan University of Technology, Faculty of Thermal Engineering
Prof. Romana Ewa Śliwa	Rzeszów University of Technology, Coordinator of the Centre of Advanced Technology "AERONET - Aviation Valley"
Prof. Włodzimierz Wróblewski	Silesian University of Technology Institute of Power Engineering and Turbomachinery
Prof. Jacek Rokicki	Warsaw University of Technology, Institute of Aeronautics and Applied Mechanics
Prof. Konrad Bajer	Warsaw University, Faculty of Physics
Prof. Piotr Dorffer	IMP PAN, Head of Transonic Flows Dept.
Prof. Zygmunt Wierciński	IMP PAN, Co-worker of Transonic Flows Dept.
Dr. Maciej Kaniecki	IMP PAN, Co-worker of Hydrodynamics Centre

12th May 2011 (AUDITORIUM)

9:00	Prof. Jaroslaw Mikielewicz	Welcome address and presentation of IMP PAN
9:10	Piotr Dorffer	Opening of the Spring Festival
9:20	Jan Kiciński	New IMP PAN research– alternative energy sources
9:40	Dariusz Kardaś	Combustion and gasification of alternative fuels
10:00	Jacek Pozorski	Multiphase flow modelling using particle methods
10:20	Janusz Badur	Energy conversion in flows – department activities
10:40	Michał Karcz	Towards Lean Combustion – project contribution
11:00 Coffee break		
11:20	Stan Drobniak	Polish Pilot Centre
11:30	Andrzej Boguslawski	Review of research at the Institute of Thermal Machinery CzUT
11:50	Witold Elsner	Transition modelling in turbomachinery flows
12:10	Maciej Marek	Discontinuous Galerkin Method - implementation and application to various turbulent flows
12:25	Artur Drozd	Detection of the organized structures in a turbulent boundary layer under an adverse pressure gradient
12:40	Marek Morzyński	Global modes and Reduced Order Models of fluids
13:00 LUNCH		
13:30	Henryk Kudela	Vortex Particle Method for Simulation of viscous Flows
14:00	Anna Kucaba- Pietal	Micro and nanomechanics
14:30	E. Tuliszkó-Sznitko	Scientific Activities in Chair of Thermal Engin., PUT
15:00	Romana Ewa Śliwa	Cooperation between science and industry in aeronautical sector in Poland in the Centre of Advanced Technologies AERONET Aviation Valley
15:30	Włodzimierz Wróblewski	Research on Flow Phenomena in Turbomachinery – Insit. of Power Engineering and Turbomachinery, SUT
16:00	Jacek Rokicki	Grid generation and adaptation in complex geometries
16:30 Coffee brake		
17:00	Konrad Bajer	Turbulence in the skies and in a combustion chamber
17:20	Piotr Dorffer	Activities of Dept. of Transonic Flows
17:40	Zygmunt Wierciński	Laminar - turbulent by-pass transition affected by the intensity and scale of turbulence
18:00	Maciej Kaniecki	Kaplan turbine numerical simulations
18:20 Closure of the Day-1		
13th May 2011		
9:00		SPC and IPC committee meetings (room 115, AUDIT)
12:00 LUNCH		
14:00		EC committee meetings (AUDITORIUM)
17:00 Closing of the Spring Festival		