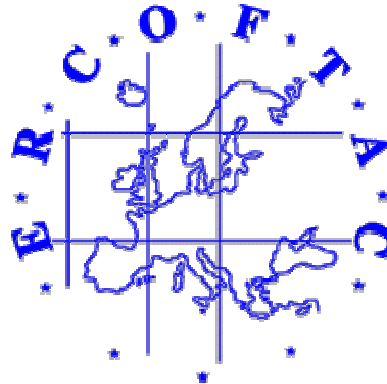
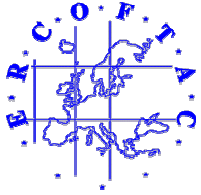


Polish Pilot Centre of ERCOFTAC

Polish Pilot Centre of ERCOFTAC





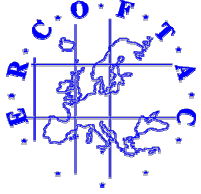
Polish Pilot Centre of ERCOFTAC

- **mission statement**

- *integration of Polish and European scientific communities*
- *transfer of knowledge (CFD in turbomachinery, combustion, LES, 2-phase flows, ...)*
- *participation in European projects*
- *collaboration with industry*

- **activities**

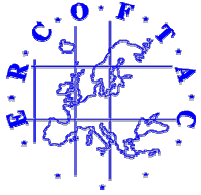
- *summer schools (Gliwice'1999, Olsztyn'2001, Olsztyn'2003) with EU outstanding lecturers*
- *seminars, workshops (Kielce'2004, Stawiska'2005, Stawiska'2006)*
- *publishing of "Turbulence" journal with reports of PPC activities*
- *contribution to ERCOFTAC Quarterly Bulletin*
- *competition for best scientific work of young scientist (biennial)*
- *participation of PPC delegates in ERCOFTAC meetings (twice a year)*
- *annual PPC meetings*
- *PPC website: <http://imc.pcz.czest.pl/institut/ercoftac/>*
- *contribution to ERCOFTAC data base (l – t transition, combustion)*



Polish Pilot Centre of ERCOFTAC

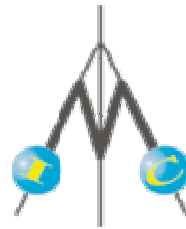
- ***benefits***

- *participation in a network of international collaboration and exchange*
- *access to data banks of experimental, DNS and LES data*
- *contact with EU science and funds*
- *free ERCOFTAC Bulletin*
- *reduced participation fees in events (co)organised by ERCOFTAC*

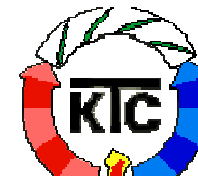


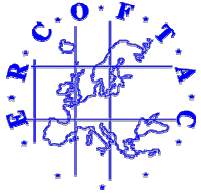
Polish Pilot Centre of ERCOFTAC

- **Polish PC** - established in 1997 as the first PC in Eastern and Central European countries
- initiative of **Institute of Thermal Machinery, Technical University of Częstochowa**



- chairman - Prof. S. Drobnik, secretary - Dr. D. Asendrych
- 8 academic members representing leading national centres





Polish Pilot Centre - member institutions

Institute of Fluid-Flow Machinery, Łódź University of Technology

dr. Antoni SMOLNY

***Department of Theoretical Metallurgy and Metallurgical Engineering,
University of Mining and Metallurgy, Cracow***

prof. Janusz SZMYD

Institute of Thermal Machinery, Czestochowa University of Technology

prof. Stanisław DROBNIAK, dr. Dariusz ASENDRYCH

Institute of Fluid-Flow Machinery, Polish Academy of Sciences, Gdansk

Prof.. J. Krzyżanowski, prof. Piotr DOERFFER

Institute of Aeronautics and Applied Mechanics, Warsaw University of Technology

prof. Jacek ROKICKI

Institute of Power Machinery, Silesian University of Technology, Gliwice

prof. Tadeusz CHMIELNIAK

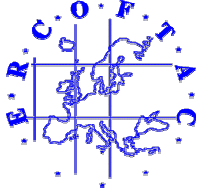
Chair of Thermal Engineering, Poznań University of Technology

prof. Ewa TULISZKA-SZNITKO

Department of Mechanics and Physics of Fluids,

***Institute of Fundamental Technological Research, Polish Academy of Sciences,
Warsaw***

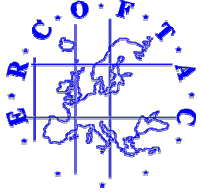
prof. Tomasz KOWALEWSKI



Polish Pilot Centre - delegates

- ***Managing Board, Scientific Programme Committee, Industrial Programme Committee:***

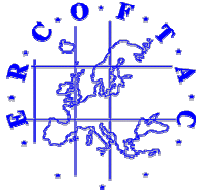
- *prof. Piotr DOERFFER*
- *prof. Tomasz KOWALEWSKI*
- *prof. Stanisław DROBNIAK*
- *prof. Jacek ROKICKI*
- *prof.. Jerzy KRZYŻANOWSKI*
- *prof.. Tadeusz CHMIELNIAK*



Polish Pilot Centre of ERCOFTAC

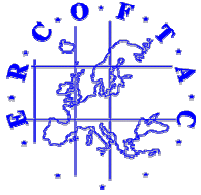
"Turbulence", vol. 12

- ❑ *PC report for 2005/2006 period*
- ❑ *proceedings of workshop Stawiska'2006*
- ❑ *abstracts of PhD Theses submitted by Polish PC to LdV'2006*
- ❑ *abstracts of scientific works awarded in the competition for the best MSc Thesis related to numerical simulations of fluid-flow processes*
- ❑ *report distribution among national community - Committee of Mechanics Polish Academy of Sciences, Polish PC members*
- ❑ *report distribution among European ERCOFTAC members*



Polish Pilot Centre of ERCOFTAC

- **contribution to new ERCOFTAC webpage**
<http://projects.streamsys.be/ercoftac/>
- **update of Polish PC webpage**
- **financial support by Ministry of Science and Higher Education**
 - *refunding of membership fees*
 - *participation costs in MB, SPC, GA, IAC meetings*
 - *publication + distribution of "Turbulence"*

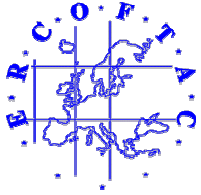


Polish Pilot Centre of ERCOFTAC

competitions for the best PhD research in the field of fluid mechanics

- *biennial event, organised during Polish Conference on Fluid Mechanics, ERCOFTAC label*

- ***XVIII KKMP, Jastrzębia Góra, 21-25.09.2008 (prof. P. Doerffer – organizer)***
 - I prize - J. A. Szumski MSc, Inst. of Fluid-Flow Machinery, Gdańsk*
 - II prize - M. Huptas MSc, Częstochowa Univ. of Technology*
 - II prize - J. Telega MSc, Inst. of Fluid-Flow Machinery, Gdańsk*



Polish Pilot Centre of ERCOFTAC

competitions for the best PhD research in the field of fluid mechanics

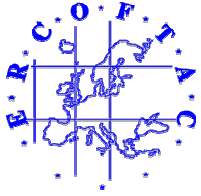
- ***XIX KKMP, Poznań, 5- 9.09.2010 (prof. E. Tuluszka – Sznitko, prof. M. Morzyński – organizers)***

I prize - O. Szulc MSc, Inst. of Fluid-Flow Machinery, Gdańsk

II prize – T. Kozłowski MSc, Wrocław Univ. of Technology

III prize – D. Lamparska MSc, Institute of Fundamental Technological Research, PAS, Warsaw

III prize – A. Kosior MSc, Wrocław Univ. of Technology



Polish Pilot Centre - SIGs

participation in SIGs activities

- ❑ *SIG 1 "Large Eddy Simulation"*
- ❑ *SIG 10 "Transition Modelling"*
- ❑ *SIG 36 "Swirling Flows"*
- ❑ *SIG 37 "Bio-Fluid Mechanics and Heat Transfer"*
- ❑ *SIG 38 "Microfluidics and Micro Heat Transfer"*
- ❑ *SIG 43 "Fibre Suspension Flows"*
- ❑ *SIG 101 "Quality and Trust in Industrial CFD"*
- ❑ *SIG 102 "ERCOFTAC Database Interest Group"*