**Short bio**

**Jacek Pozorski** is a full professor at the Polish Academy of Sciences, in charge of the Multiphase Flow Group at the Institute of Fluid-Flow Machinery, Polish Academy of Sciences (IMP PAN), Gdańsk, Poland.

He graduated in applied physics from Gdańsk University of Technology, received his PhD in fluid mechanics (1995) and the DSc degree in mechanics (2005) from IMP PAN. In the 1990s, he accomplished a 2-year research stay at the National Hydraulics Laboratory of EDF R&D (Chatou, France), participated in the Summer Program at the Center for Turbulence Research (Stanford University, 2004) and was a research fellow at the University of Udine (2006, 2014). He was a PhD advisor of 9 accomplished doctoral theses; 2 more are ongoing.

His research interests include theoretical and computational fluid mechanics and, in particular: turbulence, dispersed two-phase systems and flows with interfaces, combustion, thermomechanics of flows in granular media, inverse design methods. His work focuses on stochastic modelling, Lagrangian particle methods such as Probability / Filtered Density Function (PDF/FDF) and Smoothed Particle Hydrodynamics (SPH), the lattice Boltzmann method (LBM) and large-eddy simulations (LES). His research to date resulted in 60+ papers published in JCR-listed journals (~1200 citations, Scopus).

He is currently a member of the Committee for Mechanics of the Polish Academy of Sciences and the chair of the Fluid Mechanics Section there. He serves as a section editor of *Archives of Mechanics* and *Computer Assisted Methods in Engineering and Science,* as well as an Editorial Board member of *Acta Mechanica.* He has been contributing as a referee in 40+ scientific journals, in 5 DSc dissertations and 20+ PhD theses (in Poland and abroad). He has been a lecturer at two Advanced Schools at the International Centre for Mechanical Sciences (CISM, Italy).