



Dr. Jaime Klapp

Instituto Nacional de Investigaciones Nucleares (ININ) and Cinvestav-Abacus

Born in Mexico City, July 10, 1952. Studied Physics in the Faculty of Science, UNAM, México, a M. Sc. in Theoretical Physics in the Department of Applied Mathematics and Theoretical Physics, Cambridge University, England, and a Ph. D. in Theoretical Astrophysics in the Department of Astrophysics, Oxford University, England. He did postdocs in Florida University and Los Alamos National Laboratory, USA. He has worked since 1985 in the Instituto Nacional de Investigaciones Nucleares (ININ), where he created a group in Computational Fluid Dynamics applied to some astrophysical problems like stellar evolution, galaxy collisions and cosmology, and to other problems such as flow through porous media, multiphase flow, flow through an oil fractured reservoir, and atmospheric modelling. He has done important contributions to the development of the numerical method called Smoothed Particle Hydrodynamics. Since 2012 he collaborated in the creation of the Cinvestav-Abacus Centre for Applied Mathematics and High Performance Computing. He has published over 150 papers and 10 books, directed a large number of thesis, and received several prizes, including the science prize for the State of México. He is the leader of several numerical simulation projects at both ININ and Cinvestav-Abacus.