

Biographical Sketch

FRANCISCO CHINESTA, born in 1966 in Valencia (Spain), is currently Professor of Computational Mechanics at the Ecole Centrale of Nantes (France), titular from 2008 to 2012 of the EADS Corporate Foundation International Chair on Advanced Modeling of Composites Manufacturing Processes and titular from 2013 of the ESI International Chair on Advanced Simulation Strategies. He is associate member of the University of Wales Institute of Non-Newtonian Fluid Mechanics. In 2011 he was nominated senior member of the “Institut Universitaire de France” – IUF –.

His main research contribution concerns the proposal and development of efficient model reduction strategies based on the proper orthogonal decomposition and more particularly the development of separated representations based strategies (PGD). The main motivation being the solution of challenging engineering problems with all their complexities, as fast as possible (in real time) and using as light as possible computing platforms (e.g. tablets or smartphones), opening new routes for real time simulation and optimization, inverse analysis and simulation based control.