

Pre-nominated Session FM6

Computational fluid dynamics

Co-Chair(s): L. Kleiser (Switzerland)
 W. Schroeder (Germany)

Paper ID	Title	Authors
FM6L_10163	Non - Reflecting Boundary Condition for Direct Aeroacoustic Computation	X. M. Li, Randolph C. K. Leung, Ronald M. C. So
FM6S_10857	Treesph Simulations of Choked Flow Systems Using Smoothed Particle Hydrodynamics	Jaime Klapp, Leonardo Di G Sigalotti, Eloy, Gonzalo
FM6S_10921	Poloidal - Toroidal Decomposition in Cylindrical von Karman Flow	Piotr Boronski, Laurette Tuckerman
FM6L_11348	On Inflow Boundary Conditions for Large Eddy Simulation of Turbulent Swirling Jets	Manuel Garcia - Villalba, Jochen Froehlich, Wolfgang Rodi
FM6S_11456	Numerical Simulation of the Flow over a Backward - Facing Step in a Beowulf - Class Cluster	Rubens Campregher, Aristeu da Silveira Neto, Wellington Marinho, Sergio Said Mansur
FM6S_11485	Development and Paractical Application of WENO Schemes for Compressible Fluid Flow Computations	Alexey N. Kudryavtsev, Dmitry V. Khotyanovsky
FM6S_11569	Numerical Analysis and Design Optimization of Lateral Jet Controlled Missile	Jae-Woo Lee, Byung-Young Min, Yung-Hwan Byun, Changjin Lee
FM6S_11578	Numerical Prediction of Energy Dissipation in Condensing	Tadeusz Chmielniak, Wlodzimierz Wroblewski, Slawomir Dykas
FM6L_11602	A Pressure - Correction Method for All Mach Numbers	Krista Nerinckx, Jan Vierendeels, Erik Dick
FM6S_11702	Numerical Computation of Compressible Viscous Flow Through a Male Rotor - Housing Gap of Screw Compressors	Jan Vimmr
FM6S_11763	Fast Numerical Method for the Boltzmann Equation on Nonuniform Grids	Alexei Heintz, Piotr Kowalczyk

FM6S_11937	Computation of Viscous Vortices with Fully Meshless Method	Lorena A. Barba, A. Leonard
FM6S_12076	Dirichlet/Dirichlet and Neumann/Neumann Parallel Non-Overlapping Domain Decomposition Method	Slawomir Kubacki, Andrzej Boguslawski
FM6S_12337	CFD Methods in Industrial Applications Vehicle External Aerodynamics and Aerodynamic Interaction of Moving Vehicles	Milan Schuster
FM6S_12356	A Computational Model for the Si/C/N Nanopowder	Mohamed Amara, Djamilia Hourlier, Mohammed El Ganaoui
FM6S_12510	Numerical Error Evaluation for Tip Clearance Flow Calculations in Centrifugal Compressor	Guillaume Dufour, X. Carbonneau, P. Arbez, J. B. Cazalbou, P. Chassaing
FM6S_12565	Simulation of a Viscous Flow Past a Three Dimensional Obstacle Using Vortex Particles	Piotr Duszynski, Marta Pocwierz, Andrzej Styczek, Jacek Szumbariski
FM6L_12583	Multiscale Simulations Using Particles	Michael Bergdorff, Georges - Henri Cottet, Petros Koumoutsakos
FM6S_12618	Investigation of WENO Scheme for 3D Unstructured Grids	Jerzy Majewski, Robert Wieteska
FM6S_12985	Numerical Study of the Dynamics of Coalescence of Two Bubbles of Air in a Water Column at Rest	Jean M. Martinez, Xavier Chesneau, Belkacem Zeghmati
FM6L_13030	Commutator - Errors in Large - Eddy Simulation of Turbulent Flow	Bernard J. Geurts, Fedderik van der Bos, Darryl D. Holm
FM6L_13051	Three - Dimensional Rayleigh - Benard Instability in a Supercritical Fluid by Direct Numerical Simulation	Gilbert Accary, Isabelle Raspo, Patrick Bontoux, Bernard Zappoli