

Pre-nominated Session FM25

Vortex dynamics

Co-Chair(s): **G.J.F.van Heijst (Netherlands)**
 E. Krause (Germany)

Paper ID	Title	Authors
FM25L_10683	New Means of Vortex Breakdown Control	Miguel A. Herrada, Vladimir Shtern
FM25L_11391	Instabilities of a Vortex Pair in a Stratified and Rotating Fluid	Paul Billant, Augustin Colette, Jean-Marc Chomaz
FM25L_11467	Stability of Oceanic Vortices: a Solution to the Problem	Eugene Benilov
FM25L_11615	Curvature Instability of a Vortex Ring	Yasuhide Fukumoto, Yuji Hattori
FM25S_11676	Numerical Experiments on Vortex Shedding From an Oscillating Cylinder	Fernando Ponta, Hassan Aref
FM25S_11683	Bifurcation of Motions of Three Vortices and Applications	Lu Ting, Denis Blackmore
FM25L_11741	Strong Cyclonic Vortices over Topography on a Beta - Plane	Hung - Cheng Chen, Chin - Chou Chu, Chien - Cheng Chang
FM25L_11964	Spontaneous Sign Reversals in Self-Organized States of Forced Two-Dimensional Turbulence on a Bounded Square Domain	David Molenaar, Herman J.H. Clercx, GertJan F. van Heijst
FM25S_12032	A Model for the Formation of 'Optimal' Vortex Rings with Taking into Account Viscosity	Felix B. Kaplanski, Ylo A. Rudi
FM25S_12041	Numerical Simulation of Vortical Flows Using a Highly Accurate Finite Difference Scheme	Katsuya Ishii, Tomonori Nihei, Shizuko Adachi
FM25L_12051	The Development of an Axisymmetric Gravity Current	M. D. Patterson, J. E. Simpson, S. B. Dalziel, G. J. F. van Heijst
FM25S_12080	Numerical Investigation of the Laminar - Turbulent Transition of the Flow in a Rotor - Stator Cavity	Ewa Tuliszka - Sznitko, Eric Serre, Patrick Bontoux

FM25S_12108	Viscous Vertical Length Scale Selection in Stratified Fluids	Ramiro Godoy-Diana, Jean-Marc Chomaz, Paul Billant
FM25L_12161	On Local Vortex Identification	Pinaki Chakraborty, S. Balachandar, Ronald J. Adrian
FM25L_12196	The Modelling of The Dynamics of Hairpin Vortex Packets in Wall Turbulence	Vyacheslav V. Meleshko, Eugene I. Nikiforovich, Alexandre A. Gourjii, Ronald J. Adrian
FM25L_12275	Coherent Structure of Point Vortices Influenced by Uniform Straining Flow	Marcin Kurowski, Konrad Bajer
FM25L_12690	Strong Shock - Vortex Interaction a Numerical Study	W. Schroeder, O. Thomer, E. Krause
FM25L_12748	Isolated Vortices over Seamounts: Laboratory Experiments and Numerical Simulations	O. U. Velasco Fuentes
FM25S_12821	Three Dimensional Velocity Field of Vortices Impinging on a Wall Obtained by Scanning Particle Tracking Velocimetry	Klaus W. Hoyer
FM25L_12836	Study of the Vortex Rings Interaction by 3d Vorticity Particle - In - Cell Method	Henryk Kudela, Pawel Regucki