

Pre-nominated Session FM7

Convective phenomena

Co-Chair(s): **G. de Vahl Davis (Australia)**
 K. Zhang (UK)

Paper ID	Title	Authors
FM7L_10306	Cellular Compressible Magnetoconvection: a Mechanism for Magnetic-Field Amplification and Structuring	Alexander V. Getling, Wolfgang Dobler
FM7S_10438	Scaling Laws for Thermal Convections	Martin P. King, M. Wilson
FM7S_10538	On Features of Magnetic Convection in Ferrofluid	Ekaterina N. Beresneva, Aleksandra A. Bozhko, Gennady Putin
FM7S_10914	Multiplicity of Patterns in Cylindrical Convection	Katarzyna Boronska, Laurette Tuckerman
FM7L_11053	Large - Scale Semi - Organized Structures in Geophysical Turbulent Convection	Tov Elperin, Nathan Kleeorin, Igor Rogachevskii, Sergej Zilitinkevich
FM7S_11160	Natural Convection for Anomalous Density Variation of Water - Numerical Benchmark	Tomasz Michalek, Tomasz A. Kowalewski, Bozidar Sarler
FM7S_11251	3D Flow Transition Behind a Heated Cylinder	Maosheng Ren, Camilo C.M. Rindt, Anton A. van Steenhoven
FM7L_11440	Experimental Studies of Planetary Core Convection and Dynamo Processes	Jonathan M. Aurnou
FM7S_11673	Penetrative Convection in Stratified Fluids: Velocity Measurements by Image Analysis	Antonio Cenedese, Massimo Miozzi, Monica Moroni
FM7S_11905	Experimental and Numerical Studies of Convection Flow in a Cylindrical-Conical Fermenting Tank	Heiko Meironke, J. A. Szymczyk
FM7L_11972	Sea Convective Motions Driven by Random Buoyancy Inputs	Bouche Vanda
FM7L_12126	Thermochemical Convection in Two Superimposed Miscible Viscous Fluids	Michael Le Bars, Anne Davaille

FM7L_12168	Nonlinear Convective Patterns in Spherical Rayleigh - Benard Systems	Xinhao Liao, Keke Zhang
FM7L_12173	Visualization of the Flow Structure and Temperature Field in the Region of Mixed Convection	Elzbieta Fornalik, Wolfgang Leiner, Janusz S. Szmyd, Tomasz A. Kowalewski, Hiroyuki Ozoe
FM7L_12220	Large Eddy Simulation of Rayleigh - Benard Convection in an Infinite Fluid Layer	Anne Sergent, P. Joubert, P. Le Quere
FM7S_12267	The Influence of Translational Vibration of Circular Polarization on Fluid Convection Stability and Flow Patterns	Aleksander Kozlov, Igor Babushkin, Gennady Putin
FM7L_12344	Thermal Buoyancy Convection in Systems with Deformable Interfaces	Dmitriy V. Lyubimov, Nicolay I. Lobov, Tanyana P. Lyubimova, Nikita A. Ospennikov, Sergey V. Shklyayev
FM7S_12730	Convective Phenomena in Rotating Annuli Heated on Periphery	Vladimir V. Ris, Evgueni M. Smirnov, Alexander A. Smirnovskii
FM7S_12850	On the Rayleigh - Benard Problem in the Continuum Limit	Avshalom Manela, Itzhak Frankel
FM7S_13005	The Influence of Vibration on the Onset of Marangoni Convection in Horizontal Fluid Layer	S. M. Zenkovskaya, A. L. Shleykel, V. A. Novosiadliy
FM7S_13022	Air Convection in a Cubic Enclosure with Laterally Shifted Electric Coil without a Gravity Field.	Tomasz Bednarz, Toshio Tagawa, Masayuki Kaneda, Hiroyuki Ozoe, Janusz S. Szmyd