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# Turbulence and Interactions

Proceedings the TI 2009 Conference

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ISBN 978-3-642-14138-6

e-ISBN 978-3-642-14139-3

DOI 10.1007/978-3-642-14139-3

Notes on Numerical Fluid Mechanics  
and Multidisciplinary Design

ISSN 1612-2909

Library of Congress Control Number: 2010929478

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*Typeset & Cover Design:* Scientific Publishing Services Pvt. Ltd., Chennai, India.

Printed on acid-free paper

5 4 3 2 1 0

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# Preface

The “Turbulence and Interactions 2009” (TI2009) conference was held in Saint-Luce on the island of La Martinique, France, on May 31-June 5, 2009. The scientific sponsors of the conference were

- DGA
- Ecole Polytechnique Fédérale de Lausanne (EPFL),
- ERCOFTAC : European Research Community on Flow, Turbulence and Combustion,
- Institut Jean Le Rond d’Alembert, Paris,
- ONERA.

This second TI conference was very successful as it attracted 65 researchers from 17 countries. The magnificent venue and the beautiful weather helped the participants to discuss freely and casually, share ideas and projects, and spend very good times all together.

The organisers were fortunate in obtaining the presence of the following invited speakers: L. Fuchs (KTH, Stockholm and Lund University), J. Jimenez (Univ. Politecnica Madrid), C.-H. Moeng (NCAR), A. Scotti (University of North Carolina), L. Shen (Johns Hopkins University) and A.J. Smits (Princeton University). The topics covered by the 62 contributed papers ranged from experimental results through theory to computations. They represent a snapshot of the state-of-the-art in turbulence research. The papers of the conference went through the usual reviewing process and the result is given in this book of Proceedings.

In the present volume, the reader will find the keynote lectures followed by the contributed talks given in alphabetical order of the first author.

The organizers of the conference would like to acknowledge the support of EPFL, Université Pierre et Marie Curie, Paris and ONERA. They express their gratitude for their colleagues of the organizing committee, especially Drs. V. Gleize and M. Terracol, for their help and constant efficiency.

Lausanne, Paris  
December 3, 2009

M. O. Deville  
T. H. Lê  
P. Sagaut

# Contents

## Keynote Lectures

<b>Some Characteristics of Non-Reacting and Reacting Low Swirl Number Jets</b> .....	1
<i>L. Fuchs</i>	
<b>Inner-Outer Interactions in Wall-Bounded Turbulence</b> .....	3
<i>Javier Jiménez</i>	
<b>Turbulence Interaction with Atmospheric Physical Processes</b> .....	15
<i>Chin-Hoh Moeng, Jeffrey Weil</i>	
<b>LES of Pulsating Turbulent Flows over Smooth and Wavy Boundaries</b> .....	25
<i>A. Scotti, M. Gasser i Rubinat, E. Balaras</i>	
<b>Numerical Study of Turbulence–Wave Interaction</b> .....	37
<i>Lian Shen</i>	
<b>High Reynolds Number Wall-Bounded Turbulence and a Proposal for a New Eddy-Based Model</b> .....	51
<i>Alexander J. Smits</i>	
<b>Regular Papers</b>	
<b>PANS Methodology Applied to Elliptic-Relaxation Based Eddy Viscosity Transport Model</b> .....	63
<i>Branislav Basara, Siniša Krajnović, Sharath Girimaji</i>	
<b>PIV Study of Turbulent Flow in Porous Media</b> .....	71
<i>S. Bejatovic, M.F. Tachie, M. Agelinchaab, S.S. Paul</i>	

<b>A Model for Dissipation: Cascade SDE with Markov Regime-Switching and Dirichlet Prior</b> .....	79
<i>D. Bernard, A. Tossa, R. Emilion, S.K. Iyer</i>	
<b>Wavelet Analysis of the Turbulent LES Data of the Lid-Driven Cavity Flow</b> .....	87
<i>Roland Bouffanais, Guy Courbebaisse, Laurent Navarro, Michel O. Deville</i>	
<b>A Two-Phase LES Compressible Model for Plasma-Liquid Jet Interaction</b> .....	95
<i>Céline Caruyer, Stéphane Vincent, Erick Meillot, Jean-Paul Caltagirone</i>	
<b>Simulation of a Fluidized Bed Using a Hybrid Eulerian-Lagrangian Method for Particle Tracking</b> .....	103
<i>Cédric Corre, Jean-Luc Estivalezes, Stéphane Vincent, Olivier Simonin, Stéphane Glockner</i>	
<b>Wavelet-Adapted Sub-grid Scale Models for LES</b> .....	111
<i>J.A. Denev, C.J. Falconi, J. Fröhlich, H. Bockhorn</i>	
<b>Effect of Particle-Particle Collisions on the Spatial Distribution of Inertial Particles Suspended in Homogeneous Isotropic Turbulent Flows</b> .....	119
<i>Pascal Fede, Olivier Simonin</i>	
<b>Effect of Near-Wall Componental Modification of Turbulence on Its Statistical Properties</b> .....	127
<i>Bettina Frohnäpfel, Yosuke Hasegawa, Nobuhide Kasagi</i>	
<b>Large-Eddy Simulation of Transonic Buffet over a Supercritical Airfoil</b> .....	135
<i>E. Garnier, S. Deck</i>	
<b>Large Eddy Simulation of Coherent Structures over Forest Canopy</b> .....	143
<i>K. Gavrilov, G. Accary, D. Morvan, D. Lyubimov, O. Bessonov, S. Méradji</i>	
<b>Toroidal/Poloidal Modes Dynamics in Anisotropic Turbulence</b> .....	151
<i>Fabien S. Godefert, Alexandre Delache, Claude Cambon</i>	
<b>Grid Filter Modeling for Large-Eddy Simulation</b> .....	159
<i>Marc A. Habisreutinger, Roland Bouffanais, Michel O. Deville</i>	

<b>Pulsating Flow through Porous Media</b> .....	167
<i>Michele Iervolino, Marcello Manna, Andrea Vacca</i>	
<b>Thermodynamic Fluctuations Behaviour during a Sheared Turbulence/Shock Interaction</b> .....	175
<i>S. Jamme, M. Crespo, P. Chassaing</i>	
<b>LES and DES Study of Fluid-Particle Dynamics in a Human Mouth-Throat Geometry</b> .....	183
<i>S.T. Jayaraju, S. Verbanck, C. Lacor</i>	
<b>Viscous Drag Reduction with Surface-Embedded Grooves</b> ...	191
<i>Jovan Jovanović, Bettina Frohnafel, Antonio Delgado</i>	
<b>Study on the Resolution Requirements for DNS in Turbulent Rayleigh-Bénard Convection</b> .....	199
<i>M. Kaczorowski, C. Wagner</i>	
<b>On the Role of Coherent Structures in a Lid Driven Cavity Flow</b> .....	207
<i>Benjamin Kadoch, Emmanuel Leriche, Kai Schneider, Marie Farge</i>	
<b>Local versus Nonlocal Processes in Turbulent Flows, Kinematic Coupling and General Stochastic Processes</b> .....	215
<i>Michael Kholmyansky, Vladimir Sabelnikov, Arkady Tsinober</i>	
<b>Time-Resolved 3D Simulation of an Aircraft Wing with Deployed High-Lift System</b> .....	223
<i>Thilo Knacke, Frank Thiele</i>	
<b>Fluid Mechanics and Heat Transfer in a Channel with Spherical and Oval Dimples</b> .....	231
<i>Nikolai Kornev, Johann Turnow, Egon Hassel, Sergei Isaev, Frank-Hendrik Wurm</i>	
<b>Investigation of the Flow around a Cylinder Plate Configuration with Respect to Aerodynamic Noise Generation Mechanisms</b> .....	239
<i>Michael Kornhaas, Dörte C. Sternel, Michael Schäfer</i>	
<b>LES of the Flow around Ahmed Body with Active Flow Control</b> .....	247
<i>Siniša Krajnović, Branislav Basara</i>	
<b>Enhanced Bubble Migration in Turbulent Channel Flow by an Acceleration-Dependent Drag Coefficient</b> .....	255
<i>J.G.M. Kuerten, C.W.M. van der Geld, B.J. Geurts</i>	



<b>Experimental and Numerical Study of Unsteadiness in Boundary Layer / Shock Wave Interaction</b> .....	263
<i>L. Larchevêque, P. Dupont, E. de Martel, E. Garnier, J.-F. Debiève</i>	
<b>Measurement of Particle Accelerations with the Laser Doppler Technique</b> .....	271
<i>H. Nobach, M. Kinzel, R. Zimmermann, C. Tropea, E. Bodenschatz</i>	
<b>A Novel Numerical Method for Turbulent, Two-Phase Flow</b> .....	279
<i>A. Pecenko, J.G.M. Kuerten</i>	
<b>Modeling of High Reynolds Number Flows with Solid Body Rotation or Magnetic Fields</b> .....	287
<i>Annick Pouquet, Julien Baerenzung, Jonathan Pietarila Graham, Pablo Mininni, Hélène Politano, Yannick Ponty</i>	
<b>Direct Numerical Simulation of Buoyancy Driven Turbulence inside a Cubic Cavity</b> .....	295
<i>R. Puragliesi, A. Dehbi, E. Leriche, A. Soldati, M. Deville</i>	
<b>Numerical Simulations of a Massively Separated Reactive Flow Using a DDES Approach for Turbulence Modelling</b> ....	303
<i>Bruno Sainte-Rose, Nicolas Bertier, Sébastien Deck, Francis Dupoirieux</i>	
<b>Particle Dispersion in Large-Eddy Simulations: Influence of Reynolds Number and of Subgrid Velocity Deconvolution</b> .....	311
<i>Maria Vittoria Salvetti, Cristian Marchioli, Alfredo Soldati</i>	
<b>Use of Lagrangian Statistics for the Direct Analysis of the Turbulent Constitutive Equation</b> .....	319
<i>François G. Schmitt, Ivana Vinkovic</i>	
<b>Numerical Simulation of Supersonic Jet Noise with Overset Grid Techniques</b> .....	327
<i>J. Schulze, J. Sesterhenn</i>	
<b>Large Eddy Simulation of Turbulent Jet Flow in Gas Turbine Combustors</b> .....	337
<i>Y. Shimada, B. Thornber, D. Drikakis</i>	
<b>Computations of the Flow around a Wind Turbine: Grid Sensitivity Study and the Influence of Inlet Conditions</b> .....	345
<i>R.Z. Szasz, L. Fuchs</i>	
<b>Stochastic Synchronization of the Wall Turbulence</b> .....	353
<i>Sedat Tardu</i>	

<b>Large-Eddy Simulations of an Oblique Shock Impinging on a Turbulent Boundary Layer: Effect of the Spanwise Confinement on the Low-Frequency Oscillations</b> .....	361
<i>Emile Touber, Neil D. Sandham</i>	
<b>Parameter-Free Symmetry-Preserving Regularization Modelling of Turbulent Natural Convection Flows</b> .....	369
<i>F.X. Trias, R.W.C.P. Verstappen, M. Soria, A. Oliva</i>	
<b>An a Priori Study for the Modeling of Subgrid Terms in Multiphase Flows</b> .....	377
<i>P. Trontin, S. Vincent, J.L. Estivalezes, J.P. Caltagirone</i>	
<b>Computation of Flow in a 3D Diffuser Using a Two-Velocity Field Hybrid RANS/LES</b> .....	385
<i>J.C. Uribe, A. Revell, C. Moulinec</i>	
<b>On the Dynamics of High Reynolds Number Turbulent Axisymmetric and Plane Separating/Reattaching Flows</b> .....	393
<i>Pierre-Élie Weiss, Sébastien Deck, Jean-Christophe Robinet, Pierre Sagaut</i>	
<b>Numerical Simulation and Statistical Modeling of Inertial Droplet Coalescence in Homogeneous Isotropic Turbulence</b> .....	401
<i>Dirk Wunsch, Pascal Fede, Olivier Simonin, Philippe Villedieu</i>	
<b>Gas-Phase Mixing in Droplet Arrays</b> .....	409
<i>M.R.G. Zoby, S. Navarro-Martinez, A. Kronenburg, A.J. Marquis</i>	
<b>Author Index</b> .....	417