

Geneviève Comte-Bellot
Fifty Years of Research on Turbulence and Acoustics
Ecole Centrale de Lyon, Thursday 29th & Friday 30th October 2009

Thursday 29th October 2009		
09:30	Registration	
10:00	Opening and welcome Patrick Bourgin , Head of ECL Michel Lance , Head of LMFA	Chairman: <i>Daniel Juvé</i>
10:30	Geoffrey Lilley , University of Southampton, UK <i>On the Theory of Motion in the Universe</i>	Chairman: <i>Michel Lance</i>
11:00	Jack Seiner , The University of Mississippi, USA <i>Select Aeroacoustic Problems Associated with High Performance Aerospace Vehicles</i>	
11:30	Sanjiva Lele , Stanford University, USA <i>Numerical Experiments on Shock-Turbulence Interaction</i>	
12:00	Lunch	
14:00	Marcel Lesieur , Institut Polytechnique de Grenoble, France <i>Advances in large-eddy simulations to explore turbulence</i>	Chairman: <i>Jean-Pierre Bertoglio</i>
14:30	Tom Gatski , Université de Poitiers, France <i>Shock Impingement and Turbulent Wall-Bounded Flow Dynamics</i>	
15:00	Rainer Friedrich , Technische Universität München, Germany <i>Compressible Turbulent Channel and Pipe Flow: Similarities and Differences</i>	
15:30	Coffee break	
16:00	Mike Karweit , Johns Hopkins University, USA <i>Motion of suspended nanoparticles in a field of periodic obstacles</i>	Chairman: <i>Olivier Métais</i>
16:30	Jean Bataille , Université Lyon I, France <i>Special lecture</i>	
18:30	Reception - Part-Dieu Tower	

Friday 30th October 2009		
09:30	Katepalli Sreenivasan , International Center for Theoretical Physics, Italy <i>Vortex Reconnection</i>	Chairman: <i>Claude Cambon</i>
10:00	Laurent Jacquin , ONERA, France <i>Vortex based strategies for turbulent flow control</i>	
10:30	Yukio Kaneda , Nagoya University, Japan <i>Formation of columnar structure in rotating turbulence</i>	
11:00	Coffee break	
11:30	Sébastien Candel , Ecole Centrale Paris, France <i>New trends in combustion instability analysis and control</i>	Chairman: <i>Jean Paul Bonnet</i>
12:00	Patrick Huerre , CNRS - Ecole Polytechnique, France <i>Self-sustained oscillations and sound in hot jets</i>	
12:30	Lunch	
14:30	Pierre Sagaut , Université Paris VI, France <i>New issues in LES of turbulent flows: multiphysics and uncertainty modelling</i>	Chairman: <i>Bill George</i>
15:00	Michel Stanislas , Ecole Centrale de Lille, France <i>Can PIV bring something to turbulence understanding and modelling ?</i>	
15:30	Phil Morris , Penn State University, USA <i>The importance of hot-wire measurements in aeroacoustics</i>	
16:00	Coffee break	
16:30	Shon Ffowcs Williams , University of Cambridge, UK <i>Good Aeroacoustics is Fun - Closing ceremony</i>	Chairman: <i>Daniel Juvé</i>
18:30	<i>Visit of the museum of Lyon Civil Hospices</i>	
20:00	<i>Banquet in the Grand Refectory of Hôtel-Dieu Hospital</i>	