Poster Papers – Final

Poster Session 1		
H-W. Hsu and C-A. Lin Direct numerical simulations of Poiseuille and Couette flows inside a square duct	C. Laurent, I Mary, V. Gleize, A. Lerat and D. Arnal DNS and RANS modelling of a transitional laminar separation bubble on a flat plate	H. Kobayashi High spatial correlation SGS model for engineering turbulence
F. Xiao, M. Dianat and J. J. McGuirk A recycling/rescaling method For LES inlet condition generation	V. Kitsios, L. Cordier, J-P. Bonnet, A. Ooi and J. Soria Triple decomposition stability analysis of the separated turbulent flow of a NACA 0015 airfoil	C. Mockett, T. Knacke and F. Thiele Detection of initial transient and estimation of statistical error in time-resolved turbulent flow data
J. P. Gallardo, G. K. El Khoury, B. Pettersen and H. I. Andersson Flow past a curved circular cylinder in uniform shear	D. Morvan Turbulence modelling applied to simulate wildland fires	T. Klein, T. Craft and H.Iacovides Two-time-scale turbulence models for non-equilibrium flows
C. Cambon and B. Chaouat Refined modelling in terms of directional anisotropy and polarization anisotropy for coupled effects of strain and rotation	X.Albets-Chico, D. Grigoriadis, V. Akylas and S. Kassinos Structure dimensionality tensors for the description of turbulent passive scalar fields	C. Content and R. Houdeville Local correlation-based transition model
Z. Wierciński and J. Jurkowska Influence of turbulence scale on laminar-turbulent-transition in a boundary layer	M. Gauding, J. H. Göbbert and N. Peters The effect of filtering on gradient trajectories of scalar flow fields	N. Soulopoulos, Y. Hardalupas, and A.M.K.P. Taylor The scalar dissipation rate in an unsteady turbulent jet
T. Nozu, T. Tamura, Y. Okuda and T. Kishida Hybrid approach by meteorological and LES models for urban turbulence estimation		

Poster Session 2		
M. Alnahhal, K. Perrakis and T. Panidis The effect of endplates on the development of turbulent rectangular jets with and without sidewalls	F. Guillou and F. Chedevergne Internal blade cooling simulation : the smooth BATHIRE rig configuration	S. Yamashita, Y. Inoue, K. Sasaki and T. Nagahama Experimental study on turbulent coherent structures in a separated boundary-layer from a sharp edge
G.P. Romano and M. Falchi Recovering isotropy in turbulent jets	A. Romeos and T. Panidis Co-rotating vortex merging	S. S. Paul and M. F. Tachie Open channel flow past a pair of square cross-section cylinders
H. Miki, K. Iwamoto and A. Murata Experimental study on a 3-dimensional riblet for turbulent drag reduction	A. Belhadef, A. Vallet, M. Amielh and F. Anselmet Pressure-Swirl Atomization: modelling and experimental approaches	S. Okochi, Y. Hasegawa, N. Kasagi, and Y. Suzuki Active control of near-wall turbulence with periodic forcing by plasma actuator
V. Moureau, P. Domingo and L. Vervisch Studying swirling flames using highly resolved simulations of an industrial premixed burner	O.T. Stein, G. Lewis, C. Olbricht, J. Gibbins and A.M. Kempf Numerical simulation of flow and combustion in a 40MWth industrial coal furnace	K. Yakinthos, D. Missirlis, O. Seite, Z. Vlahostergios and A. Goulas Modeling the operation of a heat exchanger for aero engine applications for real engine operating conditions
F. Zhang, P. Habisreuther, M. Hettel and H. Bockhorn Application of a unified TFC model to numerical simulation of a turbulent non-premixed flame	T. J. Craft, H. Iacovides, M. N. Yates Application of the finite-volume method to fluid-structure interaction analysis	A. Elbanhawy and A. Turan Bluff body Flow-induced vibration: Effect on coherent wake statistics
M. Agelin-Chaab and M.F. Tachie Characteristics of 3D offset jets	K. Sassa, S. Takemura, A. Yamasaki and H. Makita Turbulent Fluctuation in a Multiple-Vortex Generated under the Mesocyclone Simulator	