

Sunday Sept 27, 2015		
	19:00	On-site Registration
	20:30	Welcome Reception
Monday Sept 28, 2015		
Session	8:00	On-site Registration
	9:00	Welcome (Apollo West)
	9:10	Self-presentation
Boundary Layers I	9:30	W Saric Experiments on transition with forward/aft facing steps in 3-D boundary layers
	9:50	H Reed Theory and Computations on transition with forward/aft facing steps in 3-D boundary layers
	10:10	Ch Davies , Ch Thomas, AP Bassom, PJ Blennerhassett Impulsively excited disturbances in non-uniform boundary layers: spatially inhomogeneous and temporally oscillatory cases
	10:30	M Brynjell-Rahkola , N Shahriari, P Schlatter, A Hanifi, DS Henningson Global instability of surface roughness in a Falkner-Skan-Cooke boundary layer. Part 1. Domain dependency
	10:50	N Shahriari , M Brynjell-Rahkola, P Schlatter, A Hanifi, DS Henningson Global instability of surface roughness in a Falkner-Skan-Cooke boundary layer. Part 2. Global vs. local analysis
	11:10	Coffee Break
Theory	11:30	K Deguchi, Hall P On the instability of vortex-wave interaction states
	11:50	G Tissot, M Zhang, FC Lajús, AVG Cavalieri , P Jordan, T Colonius Sensitivity of wavepackets in jets to non-linear effects: the role of the critical layer
	12:10	F Gómez , HM Blackburn, M Rudman, AS Sharma, BJ McKeon An alternative use of the global instability analysis machinery with time-mean flows
	12:30	O Marquet, L Lesshafft Analysis of linear and nonlinear global modes via their endogeneity
	12:50	A Towne, AVG Cavalieri, P Jordan , T Colonius, V Jaunet, GA Bres Trapped waves in turbulent jets
	13:10	W Schroeder , SR Koh, P Meysonnat, V Statnikov, M Meinke Drag reduction via spanwise transversal surface waves
	13:30	Lunch Break
	16:00	Discussion Session
	17:00	Tea Break
	17:30	Discussion Session
	19:00	Dinner
	21:00	Discussion Session - Open Bar (Apollo West)
	23:00	Adjourn
Tuesday Sept 29, 2015		
Flow Control	8:30	M Natarajan, JB Freund, D Bodony Global mode-based control of supersonic jet noise
	8:50	C Saggiotti , A Monokrousos, P Schlatter, DS Henningson Adjoint optimization of natural convection problems: Differentially heated cavity
	9:10	I Gluzman , J Cohen, Y Oshman Disturbance source identification for flow control
	9:30	AS Morgans , TLB Flinois, JA Dahan, L Dalla Longa Improving the base pressure recovery of blunt bluff bodies using linear feedback control
	9:50	TLB Flinois , AS Morgans Feedback control of unstable flows based on the Eigensystem Realisation Algorithm
	10:10	J Lohse , HP Barth, W Nitsche Active transition control of crossflow instabilities
	10:30	Nakazawa T Global Instabilities and shape optimizations of pipe flow with stenosis
	10:50	Coffee Break
Boundary Layers II	11:10	U Rist Some Thoughts about the Role of Global Instabilities in Turbulent Boundary-Layer Flows
	11:30	JA Martin , P Paredes Transition prediction in incompressible boundary layer with finite-amplitude streaks
	11:50	M Karp , J Cohen On the secondary instabilities of streaks
	12:10	J Garicano , E Valero, E Ferrer BiGlobal stability analysis of the boundary layer flow over an indented wing
	12:30	A. Obabko , M. Boghosian, K. Cassel, F. Cattaneo, P. Fischer, E. Merzari Nek5000 modeling of mixing of momentum, magnetic and thermal energy: from unsteady separation to astrophysical accretion flows and reactor thermal-hydraulics
	12:50	JM Perez , A Aguilar, V Theofilis Lattice Boltzmann methods for global instability analysis
	13:30	Lunch Break
	16:00	Discussion Session
	17:00	Tea Break
	17:30	Discussion Session
	19:00	Dinner
	21:00	Discussion Session - Open Bar (Apollo West)
	23:00	Adjourn
Wednesday Sept 30, 2015		
Incompressible Flows I	8:30	JM Lopez , F Marques Transitions to chaos in precessionally-forced flow
	8:50	T Albrecht , HM Blackburn, JM Lopez, R Manasseh, P Meunier Triadic resonances and catastrophic collapse of a precessing cylinder flow
	9:20	W He , RS Gioria, JM Pérez, V Theofilis Modal and non-modal instability analysis of low-Re 3D flow over NACA airfoils near and beyond stall
	9:30	MA Buccì , S Cherubini, J-Ch Robinet Global stability analysis of the flow past micro vortex generators: the influence of the angle
	9:50	DS Souza, D Rodriguez, C Pagani, MAF de Medeiros Experimental and numerical investigations on the sources of slat noise
	10:10	A. Kazakidi Tip-vortex flow separation in drag-based arm-swimming propulsion
	10:30	Coffee Break
High-speed Flows	11:00	K Kontis Compressible vortex loops
	11:20	OT Schmidt , A Towne, T Colonius Global modes in a high Reynolds number Mach 0.9 turbulent jet
	11:40	J Soria , P Stegeman, O Amili, JM Pérez, V Theofilis, A Ooi Forced instabilities in an under-expanded supersonic impinging jet
	12:00	K Taira , Y Sun, LN Cattafesta, LS Ukeily BiGlobal stability analysis of high-speed cavity flows
	12:20	P Paredes, V Theofilis Instability mechanisms of hypersonic flow on an elliptic cone
	12:20	P Paredes , MM Choudhari, F Li, C-L Chang Bypass transition in compressible boundary layers
	13:00	Lunch Break
	15:00	Discussion Session
	16:00	Tea Break
	16:30	Discussion Session
	19:00	Conference Dinner
Thursday Oct 1, 2015		
Incompressible Flows II	9:00	F Giannetti , V Citro, P Luchini, J Tchoufag, D Fabre Global stability of the flow around a rotating sphere
	9:20	KJ Groot , Q Ye, Y Zhang, F Pinna, BW van Oudheusden BiGlobal stability analysis of micro-ramp wakes using PIV base flows
	9:40	Q Liu , F Gomez, V Theofilis Instability analysis of an incompressible flow over a long open cavity with lateral walls
	10:00	G Rigas , AS Morgans, RD Brackston, JF Morrison Global and diffusive dynamics of turbulent 3D wakes
	10:20	Coffee Break
Numerics	11:00	P Luchini , F Giannetti, V Citro Error sensitivity to refinement: an optimal criterion for adaptive grid refinement
	11:20	R Teixeira, L Alves Minimal gain time marching schemes
	11:40	A Towne , T Colonius A convergent alternative to the parabolized stability equations
	13:30	Lunch Break
	16:00	Discussion Session
	17:00	Tea Break
	17:30	Wrap-up Discussion Session - Open Bar (Apollo West)
	20:00	Dinner
Friday Oct 2, 2015		
		Excursion to Santorini (optional)