

ERCOFTAC WORKSHOP

Direct and Large-Eddy Simulation 9

Schedule

Tuesday, April 2

17.30 – 19.30 EARLY REGISTRATION AND WELCOME COCKTAIL

Wednesday, April 3

8.00 – 8.50 REGISTRATION

8.50 – 9.10 WELCOME

9.10 – 10.30 KEYNOTE LECTURES

9.10 – 9.50 D. Henningson, INVESTIGATIONS OF STABILITY AND TRANSITION OF A JET IN CROSSFLOW USING DNS

9.50 – 10.30 S. Hickel, DNS AND LES OF TWO-PHASE FLOWS WITH CAVITATION

10.30 – 10.50 COFFEE BREAK

10.50 – 12.30 LES Modelling I Multiphase I

12.30 – 13.25 LUNCH

13.25 – 14.05 KEYNOTE LECTURE

13.25 – 14.05 P.P. Sullivan, IMPACTS OF SURFACE WAVES ON MARINE BOUNDARY LAYERS: LARGE EDDY SIMULATION RESULTS

14.10 – 15.30 Environmental I Turbulence I

15.30 – 16.10 COFFEE & POSTERS

16.10 – 17.40 Numerics I Reactive Flows & Combustion I

Thursday, April 4

8.30 – 9.50 KEYNOTE LECTURES

8.30 – 9.10 H. Pitsch, WHY YOU NEED LES FOR PREDICTING SOOT EMISSIONS IN TURBULENT COMBUSTION

9.10 – 9.50 R. Verstappen, ON SCALE SEPARATION IN LARGE EDDY SIMULATIONS

9.50 – 10.20 COFFEE & POSTERS

10.20 – 12.00 Turbulence II Compressible Flows Reactive Flows & Combustion II

12.00 – 12.55 LUNCH

12.55 – 13.35 KEYNOTE LECTURE

12.55 – 13.35 A. Pouquet, PETASCALE AND BEYOND IN SIMULATIONS OF GEOPHYSICAL AND ASTROPHYSICAL TURBULENCE

13.40 – 15.00 MHD Aerodynamics Numerics II / Stability & Transition

15.00 – 15.30 COFFEE & POSTERS

15.30 – 17.10 Environmental II Multiphase II Rotating Turbulence

15.30 – 15.50 Contributed Talk Contributed Talk Contributed Talk

15.50 – 16.10 Contributed Talk Contributed Talk Contributed Talk

16.10 – 16.30 Contributed Talk Contributed Talk Contributed Talk

16.30 – 16.50 Contributed Talk Contributed Talk Contributed Talk

16.50 – 17.10 Contributed Talk Contributed Talk Contributed Talk

19.00 BUS TRANSFER TO CONFERENCE DINNER

Friday, April 5

8.30 – 9.50 KEYNOTE LECTURES

8.30 – 9.10 A. Soldati, COMPUTATION AND PHYSICS OF TURBULENT DISPERSED FLOWS

9.10 – 9.50 T. Colonius, SIMULATION AND MODELING OF TURBULENT JET NOISE

9.50 – 10.20 COFFEE & POSTERS

10.20 – 12.00 LES Modelling II & Hybrid Multiphase III

12.00 – 12.55 LUNCH

12.55 – 14.35 Quality of LES Heat Transfer & Natural Convection

14.35 – 14.55 COFFEE & POSTERS

14.55 – 15.35 LES Modelling III FSI & Flow Control

15.40 – 16.20 KEYNOTE LECTURE

15.40 – 16.20 F. Menter, ELEMENTS AND APPLICATIONS OF SCALE-RESOLVING SIMULATION METHODS IN INDUSTRIAL CFD

16.20 – 16.30 CLOSURE