

NEW GRADUATE COURSE WS2012

High Performance Computing for Turbulent Flows in Complex Geometries

Topics Include:

Turbulence modelling: DNS, RANS, LES, Boundary Conditions

Parallel programming: Message Passing and Threaded Algorithms, OpenMPI,
OpenMP, Iterative Solvers, Domain Decomposition

Mesh generation: Structured and Unstructured Grids, Moving Meshes

Course: MEC E 739

Time: TR 17-18:20

Instructor: Dr. J. Davis

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