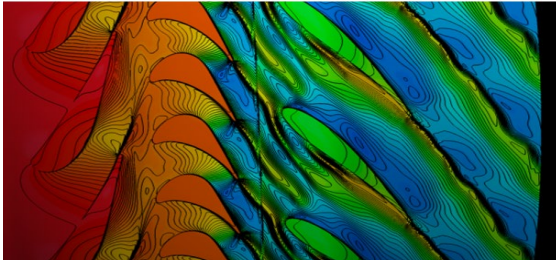
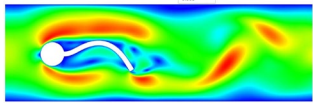
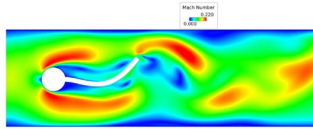




American Institute of
Aeronautics and Astronautics
Dayton-Cincinnati Section



Lunch 'n' Learn

*Advances in Multi-Disciplinary
Turbomachinery Simulation Capability*

Guest Speaker:
Prof. Roger Davis
Friday, 16 Sep 2016

Dr. Roger Davis is a professor in the Department of mechanical and Aeronautical Engineering at the University of California, Davis. His current efforts focus on development of multi-disciplinary fluid/thermal/structural interaction capabilities.

MBFLO3 is a general three-dimensional, parallel, multi-block, structured-grid, finite-volume, multidisciplinary fluid/thermal/structural solution procedure. Prof. Davis is working to extend throughput and scalability of the MBFLO3 code by: redesigning MBFLO3 fluid and thermal solver data layout and including OpenMP/ACC multithreading for accelerators; implementing a load-balancing scheme for simultaneous use of CPUs and accelerators; and validating and verifying on multi-stage turbomachinery problems using MPI and hybrid MPI+OpenMP/ACC massively parallel heterogeneous computer systems.

Time

11:45 AM

Location

China Garden Buffet
112 Woodman Dr.
Dayton, OH 45431

Lunch

You will be able to
purchase the buffet

