UT CFD Lab Colloquium
In Honor of Prof. A.J. Baker’s Retirement
May 18, 2010

Agenda

08:30 – 09:00 Registration

09:00 - 09:15 Welcome and Opening Remarks
Prof. Bill Hamel, UT MABE Department Head
Prof. Charlie Lin, UT CFD Lab

09:15 – 09:30 UT CFD Lab graduate students
Dr. Kwai Wong, JICS

09:30 - 10:05 Recent CFD-Related Activities at the High Flux Isotope Reactor of ORNL
Dr. James Freels, ORNL

10:05 - 10:40 From TWS to ACURA: Evolution of Upstream-Biased Finite Element
Algorithms for the Euler Equations
Prof. Joe Iannelli, Robert Morris University

10:40 – 10:55 Break

10:55 – 11:30 CFD for Industrial Applications
Dr. Alexy Kolesnikov, CPP Wind Eng. & Air Quality Consultants

11:30 – 12:00 RELAP5 Water-Hammer Benchmarking via a Theta-Implicit Finite-Element
Algorithm
Mr. Stuart Walker, UTK

12:00 – 01:30 Lunch Time

01:30 – 02:00 Parallel Computing for N-S Equations with PICMSS
Dr. Kwai Wong, JICS

02:00 – 02:30 Implementation of 3D Incompressible N-S Equations
Mikhail Sekachev, UTK

02:30 – 02:45 Break

02:45 – 03:15 Simulation of Normal Cooling Hole in a Cross-Flow Jet
Elton Freeman, UTK

03:15 – 4:00 A.J. Baker: Four Decades of Weak Form CFD
Prof. A.J. Baker, UT CFD Lab

4:00 Concluding Remarks and Adjourn