

Homework #7 – American Physical Society (APS) Conference presentation review  
ME5700/6700 Intermediate Fluid Dynamics  
Due 11/26/2007

1. Please attend at least one APS talk during this year's Annual Meeting of Division of Fluid Dynamics at the Salt Palace Convention Center in Salt Lake City. The conference runs from Sunday November 18 through Tuesday November 21. Please select and attend at least one talk from the conference program (found at <http://dfd2007.eng.utah.edu/> ). Note that there are a number of invited lectures that are a bit more in depth and provide more background on particularly interesting and cutting edge areas of fluid mechanics. Titles include "Insect Flight: Aerodynamics, Efficiency, and Evolution," "Turbulence in atmospheric clouds" and "Making Shock Waves in Microfluidics: The Physics and Applications of Isotachophoresis." To gain more insight regarding visualization of fluid flow, I would also encourage you to attend the "Gallery of Fluid Motion."

Assignment: Provide a one page technical memo summarizing the talk you attended and relating it to the topics covered in class. The links to class may be conceptual, experimental or mathematically based.