

## **Fluid Mechanics Reference Texts**

### **Undergraduate Texts**

"Fluid Mechanics, Fundamentals and Applications," Y. A. Cengel, J. M. Cimbala, 2<sup>nd</sup> Ed., McGraw-Hill, 2009.

"Fluid Mechanics for Chemical Engineers," N. de Nevers, 3<sup>rd</sup> Ed., McGraw-Hill, 2004.

"Fluid Mechanics for Chemical Engineers with Microfluidics and CFD," J. O. Wilkes, 2<sup>nd</sup> Ed., Prentice Hall, 2005.

"Fluid Mechanics," F. M. White, 6<sup>th</sup> Ed., McGraw-Hill, 2008.

"An Album of Fluid Motion," M. Van Dyke, The Parabolic Press, 1982.

### **Graduate Level Texts**

"Incompressible Flow," R. L. Panton, 3<sup>rd</sup> Ed., Wiley, 2005.

"Modern Compressible Flow," J. D. Anderson, 3<sup>rd</sup> Ed., McGraw-Hill, 2004.

"Transport Phenomena," R. B. Bird, W. E. Stewart, E. N. Lightfoot, 2<sup>nd</sup> Ed., Wiley, 2006.

"A First Course in Turbulence," H. Tennekes, J. L. Lumley, The MIT Press, 1972.

"Turbulent Flows," S. B. Pope, Cambridge University Press, 2000.

"Boundary Layer Theory," H. Schlichting, K. Gersten, 8<sup>th</sup> Ed., Springer, 2000.

### **Introductory CFD Texts**

"Numerical Heat Transfer and Fluid Flow", S. V. Patankar, Hemisphere Pub., 1980.

"Computational Fluid Dynamics, the Basics with applications," J. D. Anderson Jr., McGraw-Hill, 1995

"Computational Methods for Fluid Dynamics," J. H. Ferziger, M. Peric, 3<sup>rd</sup> edition, Springer, 2002