

## Byard D. Wood, Ph.D., P.E.

### Education and Training

University of Minnesota	Mechanical Engineering	Ph.D., 1970
Utah State University	Mechanical Engineering	M.S., 1966
Utah State University	Mechanical Engineering	B.S., 1963

### Professional Experience

Aug 2003 – to date	Professor and Head, Mechanical and Aerospace Engineering, Utah State University
Jan 1997 – Aug 2003	Professor and Chair, Mechanical Engineering, University of Nevada, Reno
Aug 1970 – Jan 1997	Assistant, Associate, & Professor, Mechanical and Aerospace Engineering, Arizona State University
Aug 1983 – Jun 1995	Acting Director and Director, Center for Energy Systems Research, Arizona State University
Jun 1986 – Sep 2005	Technical Director and Executive Director, Solar Rating & Certification Corporation

### Relevant Publications

- 1) *Full Scale Performance Comparison of an Induced Bed Reactor and Control Reactor*, P.E. Zemke, J.S. Dustin, J.A. Gale, B.D. Wood, *Biological Engineering*, Vol. 4, No. 3, pp 147-156, (2011)
- 2) *Design and Performance of a Solar Photobioreactor Utilizing Spatial Light Dilution*, D. Dye, J. Muhs, B. Wood, and R. Sims, *Journal of Solar Energy Engineering*;133:015001 (2011)
- 3) *Effects of Heavy Metals from Flue Gas on Algal Growth and Lipid Production and Their Distribution in the System*, Katerine Napan, Reece Butler, Byard Wood, Ronald Sims and Sridhar Viamajala, *Presented at the AIChE Annual Spring Meeting (Mar 13-17, 2011)*
- 4) *Considerations for the Maximum Production Rates of Triacylglycerol from Microalgae*, P. Zemke, B. Wood, D. Dye, *J. Biomass and Bioenergy*, Vol. 34, Issue 1, pp 145-151 (January 2010)

### Synergistic Activities

- 17 PhD and 61 MS Graduates (ASU, UNR, USU) and Currently Advising six MS and one PhD graduate students
- 2011 Utah Governor's Medal for Science & Technology
- 2010 Frank Kreith Energy Award, American Society of Mechanical Engineers
- 2004 Charles Greeley Abbot Award (ASES' highest annual award)
- Elected Fellow: ASHRAE (1989), ASME (1994) and ASES (2005)
- Best paper awards: ASME Solar Energy Division, International Solar Energy Conferences, 2003, 1992, 1988
- Supervised more than 300 energy assessments with energy conservation recommendations for schools and public buildings and manufacturing facilities.
- Principal investigator for 60 research projects with total funding of \$23 million resulting in more than 100 publications