

D. Yogi Goswami, Ph.D., P.E.

EDUCATION

Ph.D.	Mechanical Engineering, Auburn University, Auburn, Alabama, USA	1975
M.S.	Mechanical Engineering, Auburn University, Auburn, Alabama, USA	1971
B.S.	Mechanical Engineering, University of Delhi, Delhi, India	1969

EMPLOYMENT

9/05 - Present	John and Naida Ramil Professor, Co-Director, Clean Energy Research Center, University of South Florida, Tampa, Florida
6/90 – 9/05	UF Research Foundation Professor and Director, Solar Energy & Energy Conversion Laboratory, University of Florida, Gainesville, Florida
8/77 - 5/90	Mechanical Engineering Department, North Carolina A&T State University, Greensboro, North Carolina

EDITORIAL ACTIVITIES

Editor in Chief, *Solar Energy Journal*, International Solar Energy Society, 2002 - Present
Editor in Chief, *Advances in Solar Energy*, American Solar Energy Society, 1998-Present

PATENTS (Total: 7 patents, 1 international patent, 3 patents pending)

PUBLICATIONS:

Books (Total: 14)

Kreith, F. and **Goswami, D.Y.**, *Handbook of Energy Efficiency and Renewable Energy*, CRC Press, 2007
Goswami, D.Y. and Kreith, F., *Energy Conversion*, CRC Press, 2007
F. Kreith and **Goswami, D.Y.**, *Handbook of Energy Management and End Use Efficiency*, CRC Press, 2007
Kreith, F. and **Goswami, D.Y.**, *Mechanical Engineering Handbook*, CRC Press, 2004,
Goswami, D.Y., Kreith, F. and Kreider, J., *Principles of Solar Engineering* (2nd Ed.), Taylor and Francis, 2000.
Goswami, D.Y., *Alternative Energy in Agriculture*, Vols. I and II. CRC Press, October 1986.

Book Chapters (Total: 13)

Goswami, D.Y., Ingley, H.S., Goel, N., Mirabel, S.T., "Hydrogen Production," Chapter 11, *Advances in Solar Energy*, Vol. 15, pp. 405-458, 2003.
Goswami, D.Y., and **Kreider, J.F.**, "Photovoltaic Systems", chapter in *Distributed Generation: The Power Paradigm for the New Millennium*, CRC Press, June 2001.

REFEREED PUBLICATIONS: (More than 200)

- Mahishi M. R., Sadrameli S. M., Vijayaraghavan S., **Goswami D. Y.** "A novel approach to enhance the hydrogen yield of biomass gasification using CO₂ sorbent", *Accepted for publication by the ASME Journal of Engineering for Gas Turbines and Power*
- Mahishi M. R., **Goswami D. Y.** "An experimental study of hydrogen production by gasification of biomass in the presence of a CO₂ sorbent", *Accepted by the International Journal of Hydrogen Energy*.
- Mirabel, S.T., Goel, N., and Ingley, H.A., **Goswami, D.Y.**, "Utilization of Domestic Fuels for Hydrogen Production" *International Journal of Power and Energy Systems*, Vol. 24, No. 3, pp. 239-245, 2004.
- Mahishi, M.R., Vijayaraghavan, S., Deshpande, D., **Goswami, D.Y.**, "A Thermodynamic Analysis of Hydrogen Production by Gasification of Biomass", *Proceedings of the ISES Solar World Congress*, August 2005, Orlando, FL.

LEADERSHIP IN PROFESSIONAL SOCIETIES

- *President*, International Solar Energy Society (ISES), 2004- 2005
- *Governor*, ASME International, 2003-2006
- *Senior Vice President*, ASME International, 2000-2003.