



Yogi Goswami

Yogi Goswami Awarded ASME Technical Communities Globalization Medal

The distinguished university professor is being recognized for influencing the development of solar energy around the world.

TAMPA, Fla (May 14, 2013) – D. Yogi Goswami, PE, distinguished university professor in the Chemical and Biomedical Engineering Department, and director of the Clean Energy Research Center (CERC) is the recipient of the 2013 Technical Communities Globalization Medal from the American Society of Mechanical Engineers (ASME). In November, Professor Goswami will be honored at the ASME President's Luncheon in San Diego.

Dr. Goswami has been selected for “uniquely influencing the development and use of solar energy around the world through education, policy advice to various governments, the organization of international conferences, service as editor in chief of solar energy journals, and through the keynote and plenary lectures on global energy topics at major international conferences.”

Goswami's nomination was based on his pioneering contributions in education, research, and technology development in solar energy. His inventions in photocatalytic detoxification and disinfection are commercialized and available worldwide. Products based on his inventions are helping allergy and asthma sufferers globally. His research on thermodynamic cycles has included, Supercritical Organic Rankine Cycles, Mixed Working Fluids for thermodynamic cycles. He also developed a combined Power and Cooling Cycle, now known as the *Goswami Cycle*, resulting in a new class of Combined Cycles.

His other research is on various aspects of solar thermal energy utilization, thermal energy storage and nano-scale antennae for energy conversion. His textbook, *Principles of Solar Engineering* (2nd edition) based on his classroom teaching of solar energy, is being used worldwide.

Within the field of energy he has published as author/editor 16 books, 320 papers, and holds 18 patents. He has made significant and transformative contributions to the field of solar energy (thermodynamic power cycles, and solar detoxification and disinfection of air and water).

Goswami is the editor-in-chief of the *Solar Energy* journal and has developed successful industrial ventures based on his inventions and other innovations. He is a Fellow of the National Academy of

Inventors, the American Association for the Advancement of Science, the American Solar Energy Society, and ASME.

-USF-

The University of South Florida is a high-impact, global research university dedicated to student success. USF is classified by the Carnegie Foundation for the Advancement of Teaching in the top tier of research universities, a distinction attained by only 2.2 percent of all universities. The Carnegie Foundation also classifies USF as a community engaged university. It is ranked 44th in total research expenditures and 34th in federal research expenditures for public universities by the National Science Foundation. The USF System has an annual budget of \$1.5 billion, an annual economic impact of \$3.7 billion, and serves 47,000 students in Tampa, St. Petersburg, Sarasota-Manatee and Lakeland.

Janet Gillis
Communications Officer
USF College of Engineering
813-974-3485
janetgillis@usf.edu