

Guest Lecture
on
“Indigenous Renewable Energy Technologies for Sustainable Development”

Date: 10 January 2020
Time: 10:00 A.M.
Venue: Faraday Seminar Hall



Prof. K. S. Reddy		
Professor Heat Transfer and Thermal Power Laboratory Department of Mechanical Engineering Indian Institute of Technology Madras, Chennai - 600036	Honorary Professor, Clean Technologies College of Engg, Maths and Physical Sc. University of Exeter, Penryn campus Penryn, TR10 9FE, UK	Member, Board of Governors (BoG) IIT Tirupati, Andhra Pradesh

Prof. K. S. Reddy’s BioSketch

Dr. K. SRINIVAS REDDY obtained his PhD from Indian Institute of Technology Delhi in Energy Studies in 1999. He then joined National Institute of Technology Warangal in June 1999, after a brief service of about 4 years at NITW, he joined IIT Madras in April 2003 as an Assistant Professor. Presently, Dr. Reddy is a Professor of Mechanical Engineering at IIT Madras and he is also an honorary professor at University of Exeter, UK. He also served as an Adjunct Professor at CEERI-CSIR, Chennai during 2014-17

Prof. Reddy is specialist in renewable energy with special research interests on concentrating solar power, energy efficiency and environment. He has 8 patent applications and more than 242 publications of which, 127 papers in reputed international journals, including five review articles on solar energy systems and energy storage. His co-authored book on “Sustainable energy and the environment: a clean technology approach” Published by Springer and book chapters on solar energy systems are popular among energy and environment community.

Prof. Reddy is actively involved in the implementation of solar thermal technologies for power generation and process heat applications through “Design-Development-Demonstration-Deployment (4-D)” approach. He has executed several research projects related to solar energy and energy & environment funded by various national and international agencies such as DST, MNRE, AICTE, RCUK, EPSRC, UKIERI and ICIMPACT. His work on estimation of thermal conductivity & thermo-physical properties and characterization of engineering materials significantly benefited the industrial associates for development of energy efficient thermal insulation materials. In recognition of his research work, Dr. Reddy received several awards such as WSSET Innovation award, Shri J.C.Bose Patent award and twice, the Bhagyalakshmi and Krishna Ayengar Awards. He also won career award for young teachers from AICTE in 2003. Very recently, He received the Mid-Career Level Institute Research and Development Award (IRDA)-2018. He is an expert committee member in various selection/ review committees and the Visitor’s nominee for IIT Delhi. As a part of human resource developmental activities, he supervised over 176 UG, PG and Ph.D. students, most of them are well placed and working now in prestigious organizations. He organized several national & international workshops on advanced renewable energy technologies.