




Prof. S.A. Sherif

Professor of Mechanical and Aerospace Engineering,
University of Florida, USA

Keynote Presentation Title

**“Advances in Net-Zero Energy and a
Status Report”**

 **17 March 2022**

 **16:00 - 16:45**
(GMT+3)

Abstract

The US Department of Energy is pursuing an ambitious agenda aiming at decarbonizing the energy economy of the United States. This presentation will discuss the latest advances in energy efficiency research and development and will give a status report on the progress towards achieving net-zero energy. The DOE Earthshots Initiative will also be discussed in the context of this ambitious agenda.





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Biography

Dr. S.A. Sherif is Professor of Mechanical and Aerospace Engineering at the University of Florida. He is a Life Fellow of ASME, a Life Fellow of ASHRAE, a Fellow of the Royal Aeronautical Society, an Associate Fellow of AIAA, a Vice President of Commission B-2 on Refrigerating Equipment of the International Institute of Refrigeration, a Member of the Advisory Board of Directors of the International Association for Hydrogen Energy, and a Founding Member of the Board of Directors of the American Society of Thermal and Fluids Engineers (ASTFE). Dr. Sherif currently serves as Editor-in-Chief of the ASME Journal of Solar Energy Engineering. He also served as Editor-in-Chief of the ASME Journal of Thermal Science and Engineering Applications (2019-2014). He is on the editorial boards of 30 other thermal science journals. Dr. Sherif has 300 refereed papers, one book, 20 bound volumes, 24 book chapters, 190 technical reports, and two US patents.

