

Workshop:

Energy Conservation and Development of Renewable Energy Resources

Prof. Ahmad R. Ganji

Thursday, 24th December 2020, 9-10:30 AM

Here's the link to join the event:

<http://vc.birjand.ac.ir/innovation/>



Abstract for the presentation

Humanity is facing a climate crisis, which is affecting all aspects of our lives. The climate crisis, which is due to over consumption of fossil fuels is manifesting itself in various forms, including droughts, unmanageable storms, wide range of temperature fluctuations, rise of sea level and various other effects. Other effects of relying on fossil fuels include but are not limited to environmental pollution, economic reliance on fuel resources as well as political and social challenges. The clear path for mitigation of these social and natural consequences is reduction in use and replacement of these energy sources through energy conservation and development of renewable energy resources. There are valuable experiences in energy conservation and development of renewable resources in the State of California, where the speaker has been a part of in the past 30 years. The presentation will outline some of the methods and results of the related actions and processes.

Biography

Ph.D. in Mechanical Engineering (Thermal Science), U. C. Berkeley, 1979

M.S. Mechanical Engineering (Thermal Science), U.C. Berkeley, 1975

B.S. in Mechanical Engineering, Sharif University, Tehran, Iran, 1973

Dr. Ganji received his bachelor degree from Sharif University of Technology (Iran) in 1973, M.S. (1975) and Ph.D. (1979) from the University of California at Berkeley. He is a registered professional engineer in the state of California. Dr. Ganji is a professor of mechanical engineering at SFSU. He is an expert in energy engineering, engineering-environmental evaluation, analysis, and design of energy systems. He has over 40 publications in the fields of thermal-fluids and energy. He is the co-author of a textbook in "Engineering Experimentation," published by Prentice Hall, 2010 (3rd Ed.)

Dr. Ganji has directed the Industrial Assessment Center (IAC) since 1992. IAC is a US Department of Energy funded project dedicated to helping manufacturing facilities improve energy efficiency, reduce waste and improve their productivity. In this capacity, he has helped more than 400 manufacturers in California, Nevada and Hawaii. Professor Ganji regularly consults with Pacific Gas & Electric Co. on energy efficiency projects.

Please check the below link for more details:

<https://engineering.sfsu.edu/faculty-profile-ahmad-ganji>