

Optimization and Modeling in Energy Systems

Speaker: Panos M. Pardalos, University of Florida

Abstract:

Energy networks are undeniably considered as one of the most important infrastructures in the world. Energy plays a dominant role in the economy and security of each country. In this talk we are going to consider several difficult problems in energy networks, such as hydro-thermal scheduling modeling, electricity network expansion, liquefied natural gas, and blackout detection in the smart grid.

Speaker Bio:

Panos M. Pardalos serves as Distinguished Professor of Industrial and Systems Engineering at the University of Florida. He is also an affiliated faculty member of the Computer and Information Science Department, the Hellenic Studies Center, and the Biomedical Engineering Program. He is also the Director of the Center for Applied Optimization. Dr. Pardalos is a world leading expert in global and combinatorial optimization. His recent research interests include network design problems, optimization in telecommunications, e-commerce, data mining, biomedical applications, and massive computing.