ICRERA 2024

13ᵗʰ INTERNATIONAL CONFERENCE ON RENEWABLE

ENERGY RESEARCH AND APPLICATIONS

Professor Seref Sagiroglu

Gazi University, Ankara, Türkiye

Abstract

Title: AI, Big Data Analytics, Security and Privacy Issues in Smart Energy Systems

Big data and AI have great potential to provide opportunities not only energy systems but also many other fields enhancing technical, organizational, social, and economic gains and contributions. The current potential of applying big data and AI approaches for better planning, managing, designing, and securing power grid systems and operations is a big challenge to be handled seriously. This talk will cover big data, ai, generative ai, security, privacy, cost, management, planning, and integration of those into energy and power grid systems. Recent challeges are also summarised and concluded.