THE DURHAM SCHOOL
OF ARCHITECTURAL ENGINEERING AND CONSTRUCTION

University of Nebraska – Lincoln
Durham School of Architectural Engineering and Construction

You are invited to attend a Presentation by

DR. OSAMA AYADI, ASSOCIATE PROFESSOR

DEPT. OF MECHANICAL ENGINEERING, UNIVERSITY OF JORDAN

Invitation by Dr. Fadi Alsaleem, Dr. Moe Alahmad, and The Durham School

September 14, 2023
1:30 PM
Peter Kiewit Institute (PKI) Room 270
or by Zoom https://unl.zoom.us/j/93757360282

In this presentation, we will delve into several exciting energy-related research topics, offering a glimpse into the following areas:

> ***Solar Cooling****: Exploring innovative approaches to harness solar energy for cooling applications.*
> ***Performance Assessment of Solar PV Technologies****: Analyzing the efficiency and viability of various solar photovoltaic technologies and configurations.*
> ***Transition Towards a Sustainable Campus****: Highlighting our journey in making the University of Jordan's campus more sustainable.*
> ***AI and Solar Energy****: Unveiling the intersection of artificial intelligence and solar energy for optimized systems.*
> ***Agrivoltaics****: Examining the synergistic relationship between agriculture and photovoltaic systems for sustainable land use.*

Dr. Osama Ayadi has 17 years of international experience as an energy consultant and trainer, working on design, development, and optimization of novel energy efficiency and renewable energy projects across Europe and the MENA region, aiming for clean and affordable energy for all. Ayadi was contracted by international entities such as the World Bank, IFC, GIZ, and USAID for consultation and training in emerging energy-related issues such as solar-thermal, e-mobility, and smart meters.

Ayadi ranked first in the B.S. Mech. Engineering at the University of ***Jordan***, received the M.S. Mech. Engineering in Solar Energy from Dalarna University in ***Sweden***, and holds a Ph.D. Energy from Politecnico di Milano in ***Italy***.

Collaborating with international partners developing several postgraduate and undergraduate programs and courses in the fields of sustainability, environment, and energy, and together with the sustainable development team, they are leading the transition of the University of Jordan to a sustainable campus by supervising a 16 MW solar energy project.