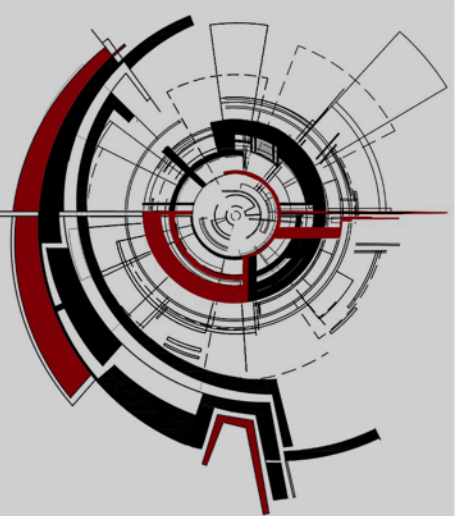




Spring 2026

Partners & Project Team



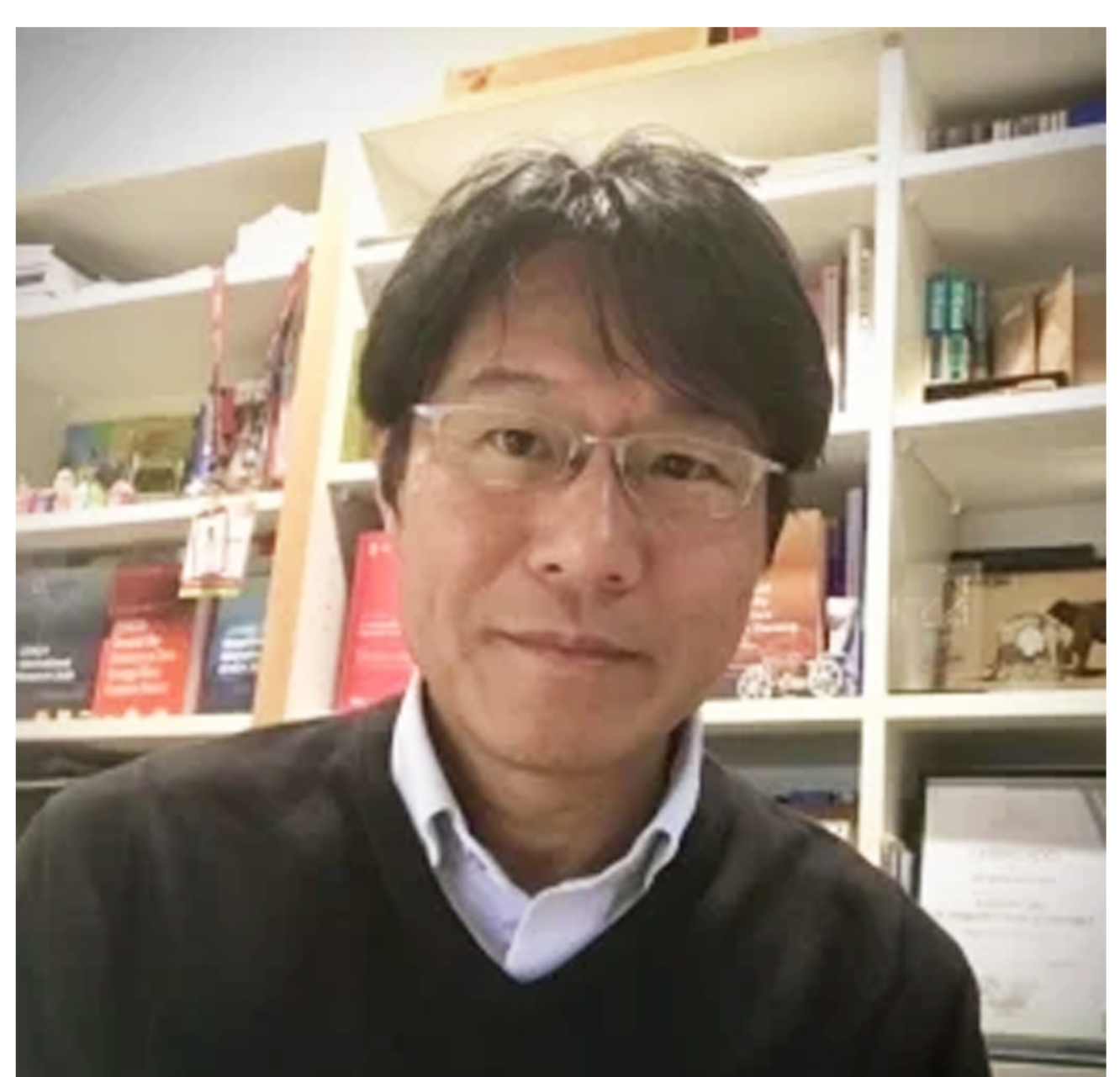
Dr. Ahlam Sharif
Associate Professor



Dr. Ala'a Alshdiefat
Associate Professor



Dr. Gao Shang
Senior Lecturer



Prof. Masa Noguchi
Associate Professor

About the Project

This project seeks to boost clean energy adoption in Jordan's rural municipalities by applying modern construction methods (MMC), upskilling professionals, and creating a knowledge-sharing network through leveraging partnerships with Australian academics and industry experts for collaboration and expertise. Jordan is shifting towards clean energy due to rising energy demand, high fuel prices, and climate concerns, but rural areas still face unsustainable energy practices, with buildings being major energy consumers. In 2016, Jordan's residential sector consumed 43% of total energy, underscoring the need for energy-efficient building designs. This project aims to promote clean energy use in Jordan's rural municipalities by upskilling construction professionals in sustainable, low-carbon design innovations. Key objectives include enhancing the capacity of Jordanian professionals in sustainable practices, developing a roadmap for reducing greenhouse gas emissions through modern methods of construction (MMC), and establishing a knowledge-sharing network with Australian research partners. The project will collaborate with Jordan's local industry associations and Australian educational institutions to deliver training, share best practices, and launch a website to showcase case studies. The initiative will lead to individual skills development and broader economic, environmental, and societal benefits.

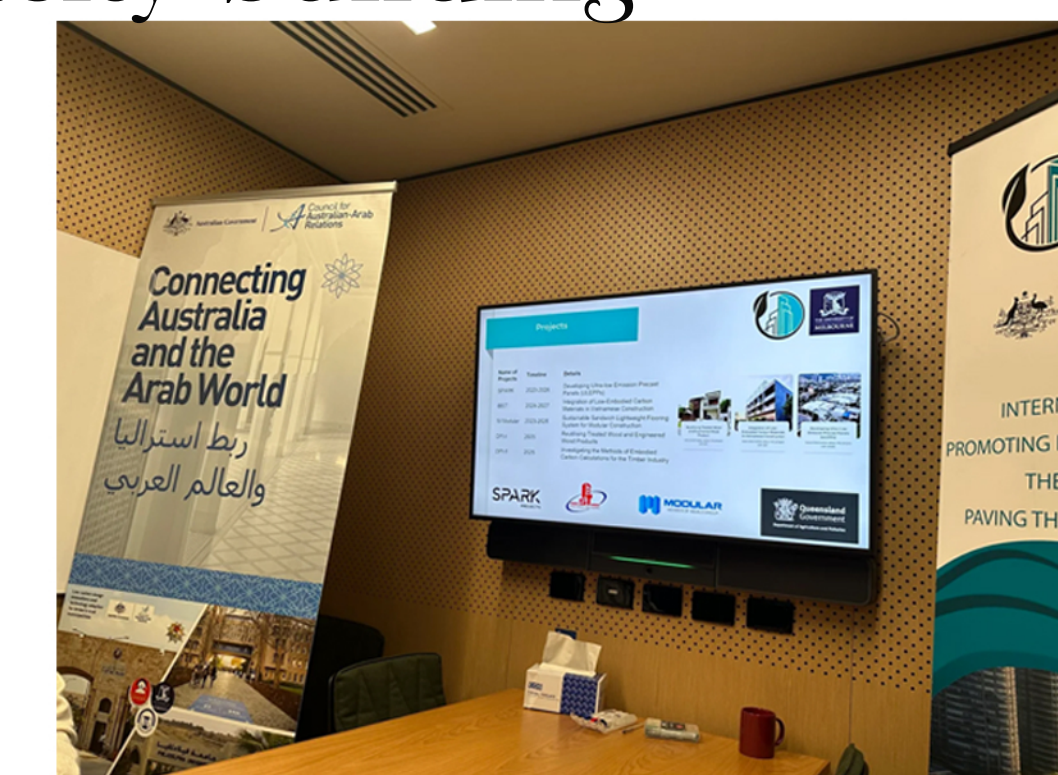
Dissemination and capacity building



Training course at Jordanian Engineering Association



Workshop at Philadelphia University



Visit De-carbon initiative project / DBI



Visit the smart village space project / India



Workshop Hashemite University



Worshop at University of Melbourne



Worshop at Victoria University



Worshop at Deakin University

Project Delivery

1. Enhanced Workforce Skills:

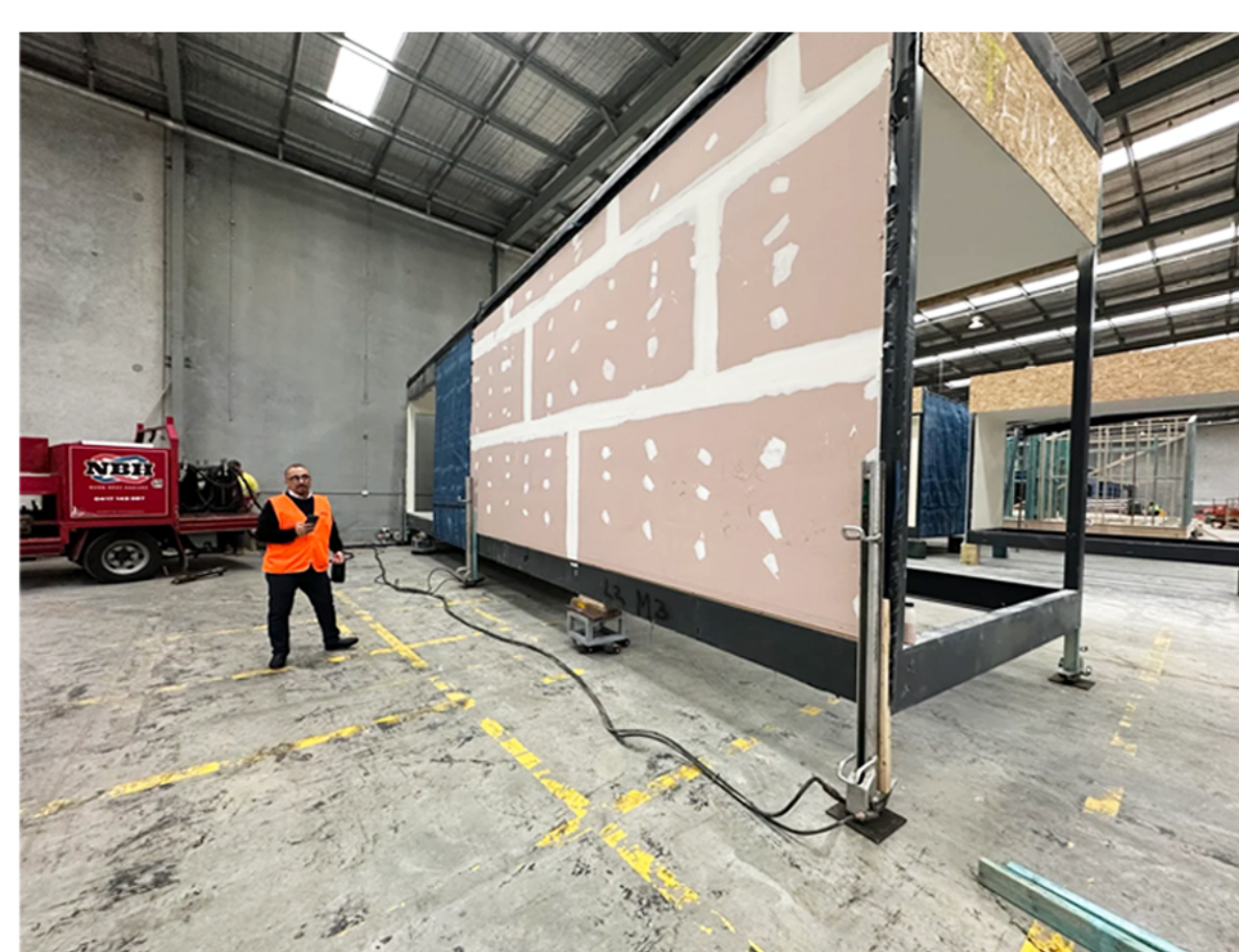
The project empowers construction professionals in Jordan with advanced skills in low-carbon design and modern construction methods, enhancing their employability. A skilled workforce leads to higher quality, greater efficiency, and more sustainable building practices, benefiting the entire construction sector. Additionally, the project will create a website dedicated to sharing best practices and promoting capacity development in low-carbon design, innovation, and technology adoption.

2. Transition to Clean-Energy Adoption in Construction Practices:

The adoption of low-carbon design and modern construction methods in rural municipalities will promote more sustainable building projects. These practices can reduce carbon emissions, resource consumption, and construction waste over time, contributing to a greener, more environmentally friendly construction sector. Our Australian PI has valuable insights and business cases to share with Jordanian counterparts.

3. Improved construction practices can result in cost savings, increased competitiveness, and economic growth within the construction sector.

Case studies from Australia



Site visit to ARKit Company



Site visit to SyNC Company



Site visit to Hickoryu2019s data centre project in west



Site visit the robotic lab/3D printing