

Workshop No. 4

Net-Zero Gulf Cities Innovations and Sustainable Strategies

Workshop Schedule

Workshop Directors

Prof. Dr.-Ing. Daniela A. Ottmann
Bond University/Australia & Zayed University/UAE

Prof. Dr. Asma Ibrahim
Effat University/KSA

First Workshop Day - Wednesday, 23 July 2025

08:15 - 08:30 – Welcome coffee and tea

08:30 - 09:00– Introduction of Workshop and Participants

Prof Dr.-Ing Daniela Ottmann, Bond University/Australia & Zayed University/UAE
Prof Dr. Asma Ibrahim, Effat University, KSA

09:00 – 09:45 – Paper 1-Amjad Naveed, Aarhus University, Denmark; Muhammad Ashfaq, International University of Applied Sciences, Denmark

Environmental Taxes and Sustainability: GCC and Global Pathways to Emission Reduction

Discussant: Abdulrahman Bamalan/Mohammed Aldossary

09:45 - 10:30 – Paper 2-Abdulrahman Bamalan, College de Paris, Ascencia Business School, France; Mohammed Aldossary, King Fahd University of Petroleum and Minerals, Saudi Arabia

Energy Transition in Saudi Arabia: Driving Sustainability, Economic Diversification, and Global Leadership

Discussant: Amjad Naveed/Muhammad Ashfaq

10.30 - 10.45 – Coffee break (coffee and tea will be available from 10:30 till 11:30 and can be taken into the room)

10:45 - 11:30 – Paper 3- Amira El Hakeh, Heriot Watt University, Dubai

The Effect of Transportation Development on Population Distribution in the Gulf: The Case of Dubai.

Discussant: Cristiano Luchetti/Steven Velegrinis

11:30 - 12:15 – Paper 4-Cristiano Luchetti, Istituto Marangoni, Italy/Steven Velegrinis, Gensler, UAE

The Congested City: Unravelling Dubai's Traffic Dilemma Amid Rapid Urbanization

Discussant: Amira El Hakeh/Mona M.Abdelhamid

12:15 - 13:00 – Paper 5-SM Zobaidul Kabir, Ministry of Fisheries and Livestock, Government of Bangladesh/Sabnam Sarmin Luna, Jagannath University

Net Zero Cities in GCC States: Challenges and Opportunities

Discussant: Haitham Rashed/Heba Elsharkawy

13:30 - 15:00 – Lunch break (lunch is served at 13.45, please make sure to be on time as it is roughly a 15 minutes' walk to King's College from the workshop venue)

15:15 - 16:00 – Paper 6-Pankaj Sah, University of Technology and Applied Sciences, Muscat, Oman

First Ever Arid-Land Ecosystem Level Study of Carbon Sequestration from Natural Omani Woodlands: Quantifying the Existing Yet Unaccounted Carbon Pool for NET Zero Commitment in the GCC

Discussant: Ahmed Badran/Sara Badran

16:00 - 16:15 – Coffee break (coffee and tea will be available from 16:00 till 17:00 and can be taken into the room)

16:15 - 17:00 – Paper 7-Ahmed Badran, Qatar University, Qatar; Sara Badran, University of Cambridge, UK

Towards Net Zero Sustainable Cities in the GCC Region: The Potential Role of Carbon Circularity in Qatar

Discussant: Pankaj Sah

End of First Workshop Day

Evening Free

Second Workshop Day - Thursday, 24 July 2025

08:15 – 08:30 – Welcome coffee and tea

08:30 - 09:15 – Paper 8-Aram Al-Harthi Al-Shareef, Effat University, KSA

Assessing the Role of Biotechnology in the Sustainable Development of Saudi Arabia's Net-Zero Cities

[Discussant]: Malak Hamdan/Mustapha Hamdan/Alia Hussein

09:15 - 10:00 –Paper 9- Dilba Rayaru Kandiyil, Oryx Universal College/Liverpool John Moores University; Monower Sadique, Liverpool John Moores University

Transforming Gulf Cities: Strategies for Reducing Embodied Carbon Towards a Net-Zero Future

Discussant: Ioana C. Giurgiu

10:00 - 10:45 – Paper 10-Ioana C. Giurgiu, Zayed University, UAE

Relationships between urban form, microclimate and energy efficiency in hot climates

Discussant: Dilba Rayaru Kandiyil/Monower Sadique

11.00 - 11.15 – Coffee break (coffee and tea will be available from 10:30 till 11:30 and can be taken into the room)

11:15 - 12:00 – Paper 11-Haitham Rashed; Heba Elsharkaway, Kingston University London

Reimagining Livable Cities Through Placemaking: Insights from Al-Madinah Al-Munawarah

Discussant: SM Zobaidul Kabir/Sabnam Sarmin Luna

12:00 - 12:45 – Paper 12-Malak Hamdan, University of West London, UK; Mustapha Hamdan, Vector Sustainable Energy; Aliar Hossain, Northumbria University

Steering Innovation: Governance and Emerging Technologies in Net-Zero Gulf Cities

Discussant: Aram Al-Harthi

12:45 - 14:15 – Lunch break (lunch is served from 13:00 till 14:00 at the workshop venue)

14:30 – 15:15 -Paper 13-Next Steps and Submission of Online Evaluation Formss

16:00 - 16:15 – Coffee break (coffee and tea will be available from 15:45 till 16:45 and can be taken into the room)

End of Second and Final Workshop Day

19:00 Farewell Dinner at King's College