

## Brown Bag Seminar No. 136

2024

4.10

(wed.)

12:10  
12:50

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar  
(Presentation)

12:40-12:50

◆ Q&amp;A

Online  
(Zoom)Scan here for  
Registration[https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN\\_0mZRVeNUSMywmSa2wl7hKw](https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_0mZRVeNUSMywmSa2wl7hKw)

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## Co-benefits of Low Emission Development Strategies in Asian Cities, A win-win solution

Chair: Assoc. Prof. Kim SCHUMACHER (Research Futures Coordinator of Q-AOS)



## Key Words

Climate change

air pollution

energy systems

co-benefits

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Hooman Farzaneh specializes in modeling and analyzing energy systems with a focus on developing low-emission strategies to facilitate solutions for long-term energy-related problems at local and regional scales. Prior to joining Kyushu University, Hooman worked at the Institute of Advanced Energy, Kyoto University, and the United Nations University. Dr. Farzaneh has over a decade of experience teaching energy science at universities in Iran and Japan. He has been the recipient of numerous prestigious research awards, including the Kyushu Natural Energy Promotion Organization (2020-2021), Hitachi Global Foundation (2019-2020), and the Asia-Pacific Network (2017-2019), together with a scientific research grant from the Japan Society for Promotion of Science (2016-2019) for his research on multiple benefits assessment of the Low emission development strategies in Asian cities. His recent books include: "Aligning Climate Change and Sustainable Development Policies in Asia-2021", "Energy Systems Modeling Principles and Applications- 2019" and "Devising a Clean Energy Strategy in Asian cities-2018".

The consumption and production of energy in urban areas are major contributors to sustainability challenges. These challenges have multiple dimensions for many local governments. Specifically, local governments aim to improve living standards, boost employment, and extend energy access. Mitigating climate change is becoming increasingly important as part of this multidimensional challenge. To tackle these challenges, local governments seek recommendations to guide them towards low-carbon pathways. While costs are undoubtedly important, failing to recognize the benefits, such as public health, that outweigh the costs can lead to flawed policy recommendations. This underscores a key point that sits at the core of work on co-benefits. The term "co-benefits" has come to occupy a central place in policy discussions involving climate change and sustainable development over the past three decades. This Lecture demonstrates how factoring co-benefits into decisions can enhance outcomes in several policy-relevant contexts in Asian cities.