

Department of Geography - Public Seminar Series

“Health effects of vehicular pollution control programs in China”

Speaker:

Dr. Haikun Wang

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School of the Environment, Nanjing University)*

Date and Time:

1:30-3:00pm, 25th October, 2019 (Friday)

Venue:

Room AAB1312, Multi-purpose Room, Faculty of Social Sciences,
Academic and Administration Building (AAB), Baptist University Road Campus
Hong Kong Baptist University

On-road vehicles have become a significant source of air pollution in that caused severe health effects in Chinese cities. China has implemented comprehensive control measures to mitigate vehicle emissions since the late 1990s. In this study, we analyze how the historical control actions during 1998-2015 affect air quality and public health. For this purpose, we constructed an integrated framework combining emission scenario construction, air quality modeling and epidemiological impact assessment. Our results convincingly indicate that the control measures have effectively avoided enormous loss in public health, and provide insight into suggest strategies for further mitigating the potential negative effects from China's future motorization on air quality and public health in the future.

Dr. Haikun Wang is a full Professor of Environmental Plan and Management at Nanjing University (China). His research focuses on the cost-benefit analysis of energy and atmospheric environment policies, especially in the cities. Developing and application of high-resolution emission inventory of air pollutants (including greenhouse gases) is another area of his research interests. He holds a PhD in Environmental Engineering from Tsinghua University (China) and a Msc and BSc in Environmental Science from East China University of Science and Technology (China). He acted as a visiting scholar (2013.9-2015.8) at Harvard China Project of Harvard University (USA), where he maintains a Senior Researcher status. He has authored/co-authored more than 50 peer reviewed papers, and has made a lot of contributions to international conferences as an invited speaker and presenter.

