

Advancements in Connecting the Composition and Physicochemical Properties of Traditional and Emerging Atmospheric Aerosols with Their Climate Effects



Professor Yue ZHANG
(張悅教授)

Texas A&M University, U.S.A.

15 May 2023



4:30 p.m.



**Conference Room, 3/F,
Mong Man Wai Building**



[Zoom Link](#) (Mixed-mode)

ID: 992 4969 9833 Passcode: 983837

The interactions between human and the environment lead to the addition of anthropogenic species to the atmosphere, some of which may have unexpected health and climate impacts. Herein we used both existing methods and newly developed techniques to connect the composition, physicochemical properties with the climate effects of these species and the aerosol particles derived from them, including secondary organic aerosols from multiphase reactions, nano-plastic particles, and per- and polyfluoroalkyl substances (PFAS). Our results demonstrate that understanding the physicochemical properties of these aerosol particles and their precursor may be the key to quantify the implications on their climate and health effects.



Enquires: 3943 5494 eesc@cuhk.edu.hk