

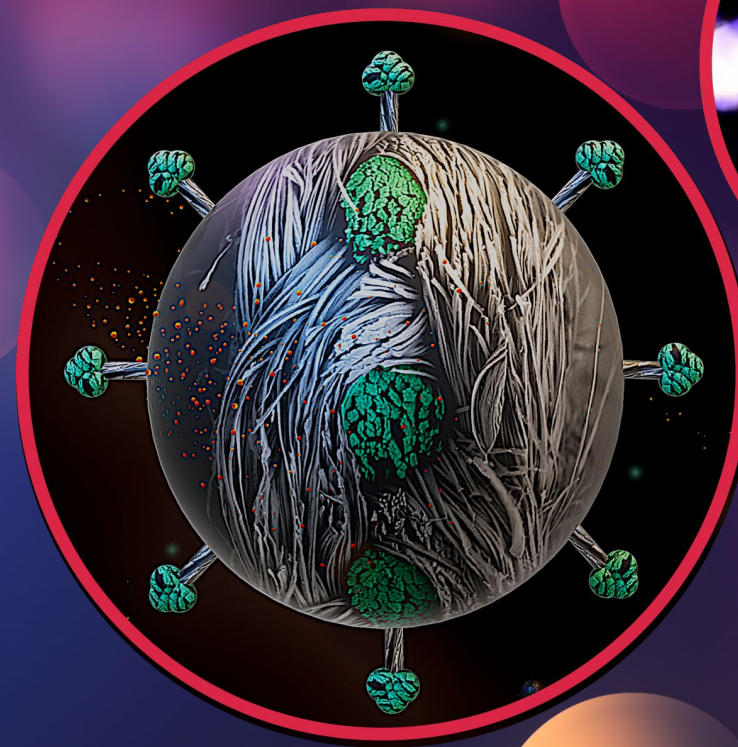
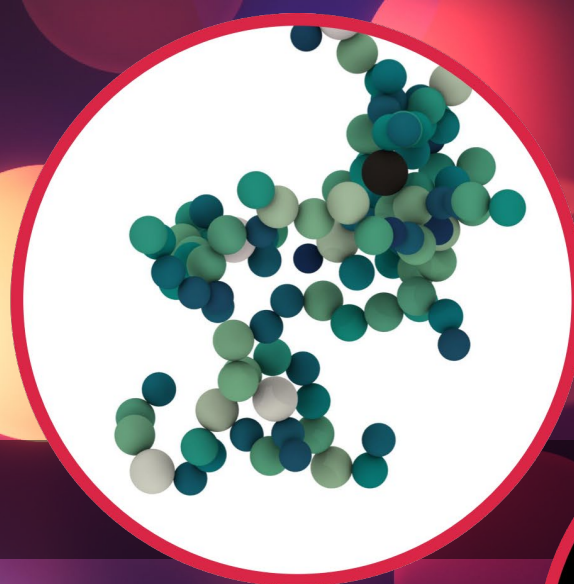
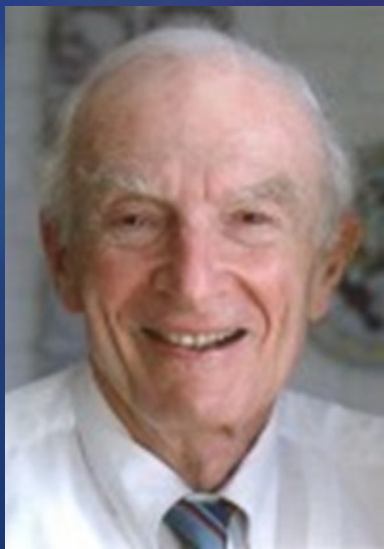


American Association
for Aerosol Research

AAAR 40th ANNUAL CONFERENCE

October 3–7, 2022 • Raleigh Convention Center • Raleigh, NC

Sheldon K. Friedlander Award



2022 Recipient of the Sheldon K. Friedlander Award



Mingyi Wang

- Mingyi Wang is a postdoctoral Research Fellow in Chemical Engineering, Caltech. He received his Ph.D. in 2021 from Carnegie Mellon University in Atmospheric Chemistry (Advisor: Neil Donahue).
- Dissertation encompasses the following 4 major chapters: (i) Photo-oxidation of aromatic hydrocarbons produces low-volatility organic compounds; (ii) Rapid growth of new atmospheric particles by nitric acid and ammonia condensation; (iii) Synergistic particle formation in the upper troposphere by nitric acid, sulfuric acid, and ammonia; and (iv) Measurement of iodine species and sulfuric acid using Br⁻ chemical ionization mass spectrometers.
- "Mingyi's thesis consists of 3 papers that I believe will be recognized as transformative, not just in the fullness of time but almost immediately, and one careful and important technical description of his experimental method. He is a master of the FIGAERO CIMS, of CIMS in general, and a deeply thoughtful experimentalist."
- "During his involvement with the CLOUD experiment, Mingyi developed into a leader amongst a remarkable cadre of young scientists."
- "In all this work (and more), Mingyi was an intellectual leader; in experimental design, data analysis, interpreting results and application to the atmosphere."