

# Stanford

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## Royal Kopperud

Lecturer

Civil and Environmental Engineering

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### Bio

#### ACADEMIC APPOINTMENTS

- Lecturer, Civil and Environmental Engineering

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### Teaching

#### COURSES

##### 2023-24

- Air Pollution Fundamentals: CEE 278A (Aut)
- Air Quality Management: CEE 172 (Spr)
- Clean Water Now! Urban Water Conflicts: CEE 41Q (Win)
- Environmental Science and Technology: CEE 70, ENGR 90 (Win)

##### 2022-23

- Air Pollution Fundamentals: CEE 278A (Aut)
- Air Quality Management: CEE 172 (Spr)
- Environmental Science and Technology: CEE 70, ENGR 90 (Win)

##### 2021-22

- Air Quality Management: CEE 172 (Spr)
- Environmental Science and Technology: CEE 70, ENGR 90 (Win)

##### 2020-21

- Air Quality Management: CEE 172 (Spr)
- Environmental Science and Technology: CEE 70, ENGR 90 (Win, Sum)

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### Publications

#### PUBLICATIONS

- **Fine organic aerosols collected in a humid, rural location (Great Smoky Mountains, Tennessee, USA): Chemical and temporal characteristics** *ATMOSPHERIC ENVIRONMENT*  
Yu, L. E., Shulman, M. L., Kopperud, R., Hildemann, L. M.  
2005; 39 (33): 6037-6050
- **Characterization of organic compounds collected during Southeastern Aerosol and Visibility Study: Water-soluble organic species** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*

Yu, L. E., Shulman, M. L., Kopperud, R., Hildemann, L. M.  
2005; 39 (3): 707-715

- **Outdoor versus indoor contributions to indoor particulate matter (PM) determined by mass balance methods** *4th Colloquium on PM and Human Health*  
Kopperud, R. J., Ferro, A. R., Hildemann, L. M.  
AIR & WASTE MANAGEMENT ASSOC.2004: 1188-96
- **Elevated personal exposure to particulate matter from human activities in a residence** *9th International Conference on Indoor Air Quality and Climate (Indoor Air 2002)*  
Ferro, A. R., Kopperud, R. J., Hildemann, L. M.  
NATURE PUBLISHING GROUP.2004: S34-S40
- **Source strengths for indoor human activities that resuspend particulate matter** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*  
Ferro, A. R., Kopperud, R. J., Hildemann, L. M.  
2004; 38 (6): 1759-1764