

Name: Linda A. George
Title: Professor
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Website: <http://www.cse.pdx.edu/linda.george>
Education: Ph.D., Environmental Sciences & Resources/Chemistry,
Portland State University, 1991
B.S., Chemistry, *cum laude*, Loyola University of Chicago, 1983



Major Fields:

Atmospheric chemistry, monitoring and modeling of urban air pollutants, assessing human exposure of air pollutants using GIS, development of measurement techniques for quantifying atmospheric species, investigations of urban climate modification and atmospheric science education.

Courses:

Air Quality (grad), Urban Air Pollution (undergrad), Science, gender and social context (undergrad), Natural science inquiry (undergrad), Environmental justice capstone (undergrad), Research-based learning (grad)

Recent Publications:

- L.A. George and W. Becker, "Investigating the Urban Heat Island Effect", *Journal of Geoscience Education*, 51(2) 237-243 2003.
- T.M. Hard, L.A. George and R.J. O'Brien, "An Absolute Calibration for Gas-Phase Hydroxyl Measurements", *Environmental Science and Technology*, 36(8) 1783-1790, 2002.
- L.A. George, T.M. Hard and R.J. O'Brien, "Measurements of Free Radicals OH and HO₂ in Los Angeles Smog," *Journal of Geophysical Research-Atmospheres*, 104,11643-11656, 1999.

Recent Research Grants:

- PSU Internationalization Grant, Infusing an international air quality improvement demonstration project with PSU best practices in community-based research, learning and policy development- collaboration between PSU and Chiang Mai, Thailand, L. George and S. Farquhar, \$1200.
- Oregon Economic and Community Development Commission - USAID, "Air quality Demonstration Projects in two SE Asian Cities", Total Project Budget: \$100K
- Murdock Charitable Trust, "Spatial Analysis of Urban NO₂ Concentrations," , L. George and K. Childress, 7/05-8/06,\$14K
- National Science Foundation, "BE:CNH: Complex Interactions Among Urban Climate, Air Quality and Adaptive-Reactive Human Response", D. Sailor, H.Taha, J. Semenza, L. George, B. Bornstein, 9/04 -2/09, \$1.7 M.
- Environmental Protection Agency, "Neighborhood Level Diesel Exhaust Component Monitoring near Freeway", D. Atkinson and L.A. George, 9/03-9/05, \$55K.
- National Science Foundation, "The Portland Horizons Project: Integrating Science Education and Scientific Research", L.A. George, W. Becker and D. Johnson, 3/15/98-3/14/02, \$450K.

Professional Activities, Honors & Awards:

- "A multi-faceted approach to assessing human responses to extreme heat, poor air quality and public advisories", M. Hart, B. Bontempo, L. George, D. Sailor and J. Semenza. International Conference on Urban Climate, June 2006.
- "Neighborhood Levels Impacts of I-5 Diesel Emissions", Region X Air Toxics Summit, Portland OR, Dean Atkinson and Linda George, Oct. 2005
- Workshops on Air Quality Monitoring with the Council of State Governments and US-AEP for environmental professionals in Chiang Mai, Thailand and Hanoi, Vietnam, Oct 2005.
- PSU John Eliot Allen Outstanding Teaching Award - 2006
- PSU Teaching and Learning with Technology Faculty Award - 2000