

My new UVM collaborators:

Dr. Lisa Aultman-Hall (UVM Transportation Center): route choice, traffic safety and tailpipe emissions

Dr. Lisa Chase (Natural Resources): sustainable tourism

Dr. Mandar Dewoolkar (Engineering): geotechnical design and infrastructure systems

Dr. Nancy Hayden (CEE): hazardous waste treatment, site remediation

Dr. David Novak (Business): transportation systems

Dr. Joe Petrucci (Chemistry): secondary aerosol formation

Dr. Donna Rizzo (Engineering): optimization for subsurface remediation

Dr. Adel Sadek (Engineering): intelligent transportation systems, traffic simulation modeling

Dr. Nadine Unger (Natural Resources): atmospheric chemistry, global climate modeling

Dr. Beverley Wemple (Geography): road runoff and erosion

University of Vermont Fast Facts

Academics

- ✓ Eight undergraduate schools and colleges, including an Honors College, offering more than 90 different programs
- ✓ Graduate College, offering 70 masters and 21 doctoral programs, and UVM College of Medicine
- ✓ 2,018 undergraduate course offerings
- ✓ 993 full-time and 192 part-time faculty

Students

- ✓ Undergraduate students: 8,784
- ✓ Graduate & Medical students: 1,706

Sustainability Achievements

- ✓ One of top 5 Universities cited as models of sustainable education (Cornell 2005 Report)
- ✓ Continued campus-wide investments in alternative fuel vehicles and buses
- ✓ Four schools and colleges offering over 20 majors with environmental focus
- ✓ Campus-wide Green Building Policy requiring LEEDs certification for construction
- ✓ Member Vermont Environmental Consortium



Location, Location, Location

Burlington, VT is an ideal location for graduate study. UVM is located on the hilltop overlooking downtown Burlington, Lake Champlain and between the Adirondacks and the Green Mountains. A true "college town", with over 10,000 college students, the city thrives with music, theater, shopping, restaurants and a booming waterfront area. Burlington has been repeatedly recognized the quality of life it offers, including proximity to outdoor recreational activities such as hiking, biking, skiing and boating.

University of Vermont



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The Holmén Environmental Particles Group has moved!!

New graduate fellowships available

University of Vermont *"The Environmental University"*



School of Engineering

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UVM's new National University
Transportation Center:
www.uvm.edu/transportationcenter

Lab methods quantify particle composition and transformation



LIDAR is used in field experiments for agriculture and roadside particles

Evaluation of nanoparticles from hybrid diesel transit buses



The Environmental Particles

Research Group



GPS / GIS quantify emissions by vehicle location and driving style



On-road vehicle tailpipe emissions measurements