

## **Graduate student assistantship (U. Maryland Cent. Environ. Sci.): Micromet Measurements of Greenhouse Gas Fluxes in an Agroecosystem**

The University of Maryland Center for Environmental Science (UMCES) is seeking a highly motivated doctoral or master's student interested in interdisciplinary research in agro-ecosystems. This new project focuses on water management and greenhouse gas fluxes at a farm on the Delmarva Peninsula. Our team of researchers (<http://research.al.umces.edu/~davidson/> and [http://www.hpl.umces.edu/gis\\_group/](http://www.hpl.umces.edu/gis_group/)) will be studying the impact of water table management through drainage on greenhouse gas fluxes (methane, nitrous oxide and carbon dioxide), on nitrate and phosphate leaching, and on socio-economic returns for farmers and society. We seek a student who will focus mostly on micrometeorological measurements of nitrous oxide and methane fluxes and who will contribute to the integrated team effort of this project. The ideal candidate must have experience with eddy covariance or gradient flux measurements. Knowledge and experience in micrometeorology, soil biogeochemistry, hydrology, and programming using 'R' are highly desirable. A master's or bachelor's degree in a related field of the natural sciences (e.g. Environmental Science, Agronomy, Meteorology, Geography) is preferred.

Information on the UMCES graduate program can be found at:

[http://www.umces.edu/education/graduate\\_education](http://www.umces.edu/education/graduate_education) The student will reside at the Appalachian Laboratory in Frostburg (western MD, <http://www.umces.edu/al>). At least three years of support are available through a research assistantship, with additional support possible as needed. The preferred starting date is January 2017.

To apply, please by email to Eric A. Davidson ([edavidson@umces.edu](mailto:edavidson@umces.edu)) a single PDF containing (1) a statement of interest, (2) a CV, (3) undergraduate and graduate school transcripts (unofficial copies are OK at this point); and (4) contact information for three references. The successful candidate will be invited to formally apply to the UMCES graduate program during the month of September 2016.

UMCES is an affirmative action, EOE. Individuals with disabilities, veterans, women and minorities are encouraged to apply. This advertisement is posted at <http://www.umces.edu/al/employment>.