

## **Faculty Position in Atmospheric and Space Sciences**

Department of Atmospheric, Oceanic and Space Sciences  
College of Engineering, University of Michigan

The Department of Atmospheric, Oceanic and Space Sciences (AOSS) at the University of Michigan is seeking applications for a tenured or tenure-track faculty position. The position is to be filled with a candidate focusing on scientific instrumentation, in particular space flight hardware development, in either Space Science (including Planetary Science) or Earth System Science and Engineering (ESSE).

Research interests of our Space Science faculty include: solar-heliospheric physics, magnetospheric physics (including planetary magnetospheres), magnetosphere-ionosphere coupling, aeronomy and planetary atmospheres (including atmospheres of small bodies and planetary satellites). AOSS faculty members are engaged in observational, theoretical and computer simulation studies. Over the last six decades faculty and staff of AOSS and its Space Physics Research Laboratory have designed, built, flown and analyzed more than 100 rocket experiments and nearly 40 space instruments. AOSS/SPRL instruments are on the way to, or have visited, all planets of the solar system except Pluto.

Research interests of our ESSE faculty include: global climate change (emphasizing modeling of atmospheric and aerosol chemistry), regional and urban air pollution, chemical kinetics, radiative transfer, remote sensing, aerosol-cloud-climate interactions, and atmospheric dynamics. In addition, AOSS faculty are developing high-resolution computational models for advanced climate simulation and are extensively involved in observations of the Earth from space. They utilize optical measurements from the Upper Atmosphere Research Satellite and the TIMED satellite, from the MODIS and MISR instruments, microwave measurements from the TOPEX/Poseidon, Jason-1 and WindSat satellites, and data from the Total Ozone Mapping Spectrometer in studies of ozone measurements. AOSS also participates in field campaigns, designing and integrating instruments on balloons, aircraft and sounding rockets to study the dynamics and composition of the atmosphere and the space environment.

The successful candidate will be expected to collaborate with other faculty in AOSS and at the University as well as to establish an independent research program.

We seek candidates who will provide inspiration and leadership in research and contribute actively to teaching, and are especially interested in candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community. The University of Michigan is responsive to the needs of dual career couples.

To apply, please send an electronic copy of your curriculum vitae, statement of research accomplishments and goals, and the names and contact information of five references to Ms. Susan Griffin (sgriffin@umich.edu). For further information about AOSS, please go to: <http://aoss.engin.umich.edu/>. Informal inquiries may also be made to: Prof. Michael W. Liemohn, Chair, Faculty Search Committee, AOSS, e-mail: liemohn@umich.edu.

Reviews of applications will begin November 1, 2007 and will continue until the position is filled.

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