

Post-Doctoral Research Associate

Full-time postdoctoral Research Associate at the University of North Dakota, a one-year term position with possibility of extension. Initial consideration will be given to applications received prior to April 1, 2009. Salary is competitive and commensurate with experience and qualifications, with the full benefits of a 12-month post-doctoral research appointment at UND; position will remain open until filled.

Qualifications: Requires Ph.D. in Climatology, Atmospheric Sciences, or in a related field; demonstrated ability to work with graduate and undergraduate students, and excellent written and spoken English communications. Preference will be given to candidates with demonstrated proficiency in synthesizing remotely sensed datasets into modeling systems, or prior research experience and/or interest in using radio occultation measurements, and with computer programming and data analysis skills.

Duties: The successful applicant will support activities of the Department and Center by developing methods of applying **radio occultation** data retrievals (e.g., COSMIC) to climate change research, scaling applications to the availability of global daily RO sensing at sub-150 Km spatial resolution (anticipated by 2011). Applications of interest include validation of simulation results, use of RO data in climate, atmospheric, and environmental modeling on both global and regional scales, and others. He or she will also represent the applicable Center activities at conferences and meetings and prepare scientific publications in peer-reviewed journals.

The postdoctoral researcher will be a vital part of a multi-disciplinary group of scientists applying radio occultation data and data products to environmental solutions. Described activities are in support of the University of North Dakota's Center of Excellence in Space Technology and Operations. Housed in the Center for People and the Environment (CP&E) at UND, the Center of Excellence is a broad collaborative effort between UND organizations – including the Departments of Atmospheric Sciences and of Space Studies – and GeoOptics LLC.

UND's CP&E (www.umac.org/cpe) performs solutions-driven research to directly benefit end users in both the scientific community and the general public, develops and operates technologies, sensors, and web-based data support services in support of this research, and offers degrees in Earth System Science and Policy (ESSP). GeoOptics LLC (www.geooptics.com) is a leader in development and operations of satellite constellation systems for collection and distribution of data critical to scientific investigations, and to weather and climate forecasting and other operational support services.

How to apply: Send a letter of application, current c.v., and a narrative of research experience and interests to Andrei Kirilenko, Center for People and the Environment, University of North Dakota, Box 9011, Grand Forks ND 58202-9011, 701-777-6761, 701-777-2940 fax, andrei.kirilenko@und.edu.

To contact me while at AMS, please call cell at 765.430.1095