

## Environmental Sciences Fellowship

The Environmental Sciences Division (ESD) at Oak Ridge National Laboratory (ORNL) <http://www.ornl.gov> is seeking a Post-Masters or Post-Bachelors Fellow for a two-year appointment within the Carbon Dioxide Information Analysis Center (CDIAC).

ESD assembles interdisciplinary teams to perform science focusing on understanding processes and issues that drive the Earth's environmental and ecological systems. ESD scientists conduct research, develop technology, and perform analyses to understand and assess responses to global and regional change, environmental stress, and resource use. By expanding scientific knowledge and developing technological solutions, we strengthen the nation's leadership in addressing important environmental solutions.

A fellowship opportunity currently exists within the CDIAC which serves as the U.S. Department of Energy's primary climate change data repository and clearinghouse. CDIAC compiles, analyzes and archives many atmospheric, oceanic, and terrestrial databases relevant to climate change and carbon cycle research. CDIAC has amassed the world's largest collection of ocean carbonate chemistry measurements in the world and wishes to offer these holdings in the form of a Web-accessible database which may be probed, queried, and downloaded by users worldwide.

The successful fellowship candidate will

- have a bachelor's or master's degree within the last five years in computer science or environmental science
- be proficient in the use of PCs or workstations
- be proficient in the use of data processing software (e.g., SAS), relational database management software (e.g., Oracle, SQL), GIS software (e.g., ArcInfo), or computer programming and scripting languages (e.g., PERL, JAVA, C++).
- work closely with a CDIAC oceanographer (Alex Kozyr) to develop a "Web Accessible Oceanographic Database"

The fellowship provides the successful candidate

- opportunities to interact with leading researchers in environmental sciences, ecology, computer sciences, earth sciences, and biogeochemistry
- experience at one of the premier national research laboratories
- experience with scientific data management and analysis

Interested candidates need to apply by August 15, 2004.

Contact information:

Tom Boden, Director

Carbon Dioxide Information Analysis Center

Oak Ridge National Laboratory

Oak Ridge, Tennessee 37831-6335

Phone: (865) 241-4842

Fax: (865) 574-2232

Email: [bodenta@ornl.gov](mailto:bodenta@ornl.gov)

Please reference the position title and number (**ORNL04-18-ESD**), when corresponding about this position.

This appointment will be offered through the ORNL Postdoctoral/Postmasters Research Associates Program (<http://www.ornl.gov/orise/edu/ornl/ornl-pm/ornlpmas.htm>). The program is open to all qualified U.S. and non-U.S. citizens without regard to race, color, age, religion, sex, national origin, physical or mental disability, or status as a Vietnam-era veteran or disabled veteran.