

University of Nevada Reno
Mackay School of Earth Sciences
Department of Geological Sciences

For study beginning Fall 2003

**ARTHUR BRANT
GRADUATE FELLOWSHIP in
EXPLORATION GEOPHYSICS**
\$100,000 over four years
\$21,000 annual stipend plus tuition

The Arthur Brant Laboratory for Exploration (ABLE) Geophysics seeks a student with demonstrated undergraduate (or graduate) academic accomplishments in the geosciences to undertake study and research leading to a Ph.D. degree in geophysics.

The Arthur Brant Graduate Fellow will conduct research to advance the application of geophysics methods to resource exploration. Specific areas of study and research are not predefined, but will be developed jointly by the candidate and the ABLE faculty. It is expected this research will include one or more of the following topics: aerospace remote sensing methods, including space and airborne radar, Interferometric Synthetic Aperture Radar (InSAR), hyperspectral reflectance and thermal imaging; advanced Geographic Information Systems (GIS) applications; and/or geophysics integrated with geology and geochemistry for resources investigations. The successful candidate's research will involve synergism between the fields of geophysics and geology. Therefore, a moderate to strong undergraduate exposure to geology is desired. To qualify for consideration, applicants must have approved residency in the U.S.A. or be citizens, have a undergraduate degree in a science or engineering field, and be selected for admittance in the Department of Geological Sciences for an advanced degree. Applicants should refer to the UNR graduate applications procedures on the University's web pages.

Deadlines: **Optional pre-application evaluation by December 15, 2002.**
 Formal Applications and support materials by February 15, 2003.

Optional pre-application: Potential fellowship applicants may request a pre-application evaluation of their interests and qualifications without applying to the UNR graduate school. To do this send a personal letter describing the areas of your scholastic interests as they pertain to this fellowship, along with photocopies of your transcripts, GRE scores, three letters of recommendation certifying your ability to perform graduate-level work, and a copy of a completed UNR graduate school application form to *Arthur Brant Chair of Geophysics* (address below) by December 15, 2002. Pre-applications must be complete to receive an evaluation. The most competitively qualified pre-applicants will be encouraged to complete the formal application process by applying for admission through the UNR graduate school.

Formal Applications: Apply to the UNR Graduate School (web link below) early enough to allow for the receipt of all supporting documents by February 15, 2003. Simultaneously send photocopies of the graduate school application and photocopies of materials it requests – transcripts, GRE scores – with your personal letter (described above) and three letters of recommendation to the *Arthur Brant Chair of Geophysics* (address below) to arrive by February 15, 2003.

Send above specified materials to: Attn: Fellowship Professor James V. Taranik Arthur Brant Chair of Geophysics University of Nevada, Reno Dept. Geological Sciences MS /172 Reno Nevada 89557-0138	Arthur Brant Laboratory for Exploration Geophysics (ABLE) www.mines.unr.edu/able/	UNR Graduate School Application www.vpr.unr.edu/grad2/
	Department of Geological Sciences www.mines.unr.edu/geology/	For inquiries on this fellowship application process contact: oppliger@mines.unr.edu