

# Summer of Applied Geophysical Experience (SAGE) 2014 – Our 32<sup>nd</sup> Year!

SAGE is a 3-4 week research and education program in exploration geophysics for graduate and undergraduate students and working professionals, based in Santa Fe, New Mexico, U.S.A.

SAGE students, faculty, teaching assistants and visiting scientists acquire, process and interpret reflection/refraction seismic, magnetotelluric (MT)/electromagnetic (EM), ground penetrating radar (GPR), gravity and magnetic data at a shallow archeological site and at the sedimentary basin scale in the Rio Grande rift. The Institute of Geophysics, Planetary Physics & Signature Science (IGPPS) at the Los Alamos National Laboratory is sponsoring SAGE for its 32<sup>nd</sup> year. The core program (all students) will be held Friday, June 20 (arrival on Thursday, June 19), through Friday, July 11. The fee is \$600 (room and meals provided), of which \$100 is due with the application. International applicants: please e-mail [georgia@lanl.gov](mailto:georgia@lanl.gov) for payment instructions.

Continued support from the U. S. National Science Foundation Research Experience for Undergraduates (REU) program will allow us to extend SAGE extra days for undergraduate students who are U.S. citizens or permanent residents (PR). For students qualifying as U.S./PR undergraduates (REUs), SAGE will begin on Tuesday, June 17 (arrival on Monday, June 16). For these students, stipend and travel support will be automatic if accepted, and the \$600 fee will be waived. Room and meals are provided by the program. Non-REU students will depart from SAGE after 1:00 p.m. on Friday, July 11. For REU students, SAGE will extend through evening dinner on Friday, July 11 and departure will be by noon on Saturday, July 12.

Students should have a quantitative background and some introduction to geophysics, though they need not be geophysics majors. We particularly welcome math/physics majors and other students considering careers in geophysics. As an example, students should have successfully completed a minimum of one year (two semesters or three quarters) of physics (through electricity & magnetism) and a minimum of three semesters of calculus (four preferred). Structural geology and/or introductory geophysics are recommended but not required.

Applications are encouraged from qualified:

- 1) Potential REU students who are U.S. citizens or permanent residents who will have completed their *junior* year and the requisite physics and math before SAGE, 2) U.S. *graduate* students in all stages of their careers, and
- 3) International students and professionals.

**Please note that the application deadline for SAGE 2014 is 5:00 p.m. MDT on Friday, March 28.** Applications will be evaluated during the following week. We require a letter of interest, two references, proof of medical insurance, and complete transcripts documenting the required courses (unofficial copies are acceptable). See the SAGE web site for application and reference forms, and more detailed information.

If you have questions or need more information, please call the IGPP office at (505) 663-5291 or e-mail Georgia Sanchez [georgia@lanl.gov](mailto:georgia@lanl.gov). For further details and description of the program, please refer to <http://www.sage.lanl.gov>.



Society of Exploration Geophysicists  
The international society of applied geophysics

