

RESEARCH EXPERIENCES FOR UNDERGRADUATES

Summer 2014

Ohio Wesleyan University

INTERDISCIPLINARY SCIENTIFIC COMPUTATION

MAY 19 - JULY 25

Projects are focused on scientific computation in the following fields:

ASTRONOMY, COMPUTER SCIENCE, MATHEMATICS, NEUROSCIENCE, PHYSICS

- **RESEARCH TOPICS:** STELLAR SURFACE IMAGING, STUDYING NEUTRON-RICH NUCLEI, STATISTICAL INFERENCE WITH DATA SUBJECTED TO CENSORING, ARTIFICIAL INTELLIGENCE & MODERN BOARD GAMES, QUANTUM BRAID GROUP REPRESENTATIONS, DYNAMICS OF JOSEPHSON JUNCTIONS, AND SIMULATIONS OF EPILEPTIC SEIZURES.
- **SUPPORT:** \$5000 STIPEND (FOR 10 WEEKS), HOUSING PROVIDED AT NO CHARGE, \$1000 FOOD ALLOWANCE, TRAVEL FUNDS.
- **ELIGIBILITY:** APPLICANTS MUST BE U.S. CITIZENS OR PERMANENT RESIDENTS AND MUST BE FULL-TIME UNDERGRADUATE STUDENTS. PREFERENCE WILL BE GIVEN TO STUDENTS WITH LIMITED RESEARCH OPPORTUNITIES AT THEIR HOME INSTITUTIONS AND/OR WHO HAVE NOT HAD A FOCUSED RESEARCH EXPERIENCE. MINORITIES AND WOMEN ARE ESPECIALLY ENCOURAGED TO APPLY.
- **REVIEW** OF APPLICATIONS WILL BEGIN **MARCH 3, 2014** AND WILL CONTINUE UNTIL ALL POSITIONS ARE FILLED.

For more information, see <http://reu.owu.edu> or contact: Dr. Brad Trees at brtrees@owu.edu, 740-368-3779.

