

2013 Summer Institute for Undergraduates in Computational Science and Engineering



June 24 - August 16, 2013

**Army High Performance Computing Research Center
Stanford University, Stanford, CA**

The objectives of the Institute are to provide training and hands on experience in the use of computational techniques for science and engineering students, and to prepare those who choose to pursue graduate studies in technology areas dependent upon computational science and engineering.

The program curriculum combines short courses in computational engineering methods concentrating on structural mechanics, fluid dynamics, and computer programming for parallel clusters, with a research experience working with one of the AHPCRC research groups at Stanford University.

Participants receive a stipend of \$4,000 for the eight-week period. Participants receive a travel allowance and dormitory accommodations, including meals, at Stanford University. Students local to Stanford may opt for a higher stipend in exchange for the travel, room and board.

Prerequisites: Students MUST be US citizens. This program is intended for undergraduate students who anticipate graduation in Spring 2014 or later. It is expected that all students in the Summer Institute will have completed freshman calculus and will have some computer programming experience.

Applications should include the following information:

- An application form.
- A one page statement including career and research objectives and computer experience.
- A current transcript of coursework. Unofficial transcripts are acceptable.
- Two letters of recommendation (recommendations from AHPCRC affiliated faculty are given preference, but not required).

This information should be emailed to fontanilla@stanford.edu by **February 27, 2013** (late applications may not be assured of full consideration):

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Stanford University
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