REU Site: Interdisciplinary Program in High Performance Computing at UMBC

University of Maryland, Baltimore County (UMBC)
Baltimore, Maryland
Summers 2012, 2013, 2014
www.umbc.edu/hpcreu

Key Elements:

- eight weeks from June to August; for exact dates see www.umbc.edu
- UMBC is located in the Baltimore-corridor of industry and government
- team work with dedicated graduate faculty mentors
- professional development workshops; GRE prep course; poster presentation; technical publication opportunities
- no cost to the participants: campus plan, travel allowance, and course; poster presentation; technical report and publication
- funding approval by the NSF

Unique Features:

- fully transferable three-credit Introduction to Parallel Computing with MPI
- includes introduction to tools of scientific and statistical computing: MATLAB, R, Linux, LaTeX
- interdisciplinary projects with local industry and government labs through the Interdisciplinary Research and Consulting (CIRC, www.umbc.edu/circ)
- field trips to local industry and government labs

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