

UNIVERSITY IN MARYLAND



REU Site: Interdisciplinary Program in High Performance Computing

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/hpcreu
- UMBC is located in the Baltimore-Washington corridor of industry and government agencies
- team work with dedicated graduate assistants and faculty mentors
- professional development workshops; GRE prep course; poster presentation; technical report and publication opportunities
- no cost to the participants: campus housing, meal plan, travel allowance, and course tuition covered. plus program stipend of at least \$3,600, subject to funding approval by the NSF

Unique Features:

- fully transferable three-credit course MATH 447: Introduction to Parallel Computing using C with MPI
- state-of-the-art 86-node parallel cluster tara in the **UMBC High Performance Computing Facility** (HPCF, www.umbc.edu/hpcf)
- includes introduction to tools of scientific and statistical computing: MATLAB, R, Linux, LaTeX
- interdisciplinary projects with clients from industry and government agencies through the Center for Interdisciplinary Research and Consulting (CIRC, www.umbc.edu/circ)
- field trips to local industry and government labs

Contact:

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URL for all program details: www.umbc.edu/hpcreu







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