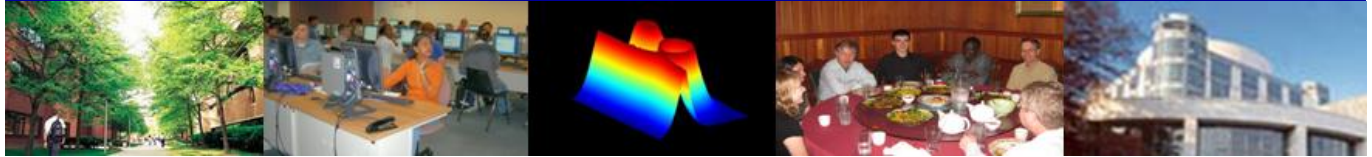


UMBC

AN HONORS UNIVERSITY IN MARYLAND

RESEARCH EXPERIENCES FOR UNDERGRADUATES SITE



REU Site: Interdisciplinary Program in High Performance Computing

University of Maryland, Baltimore County (UMBC)
 Baltimore, Maryland
 Summer 2011
www.umbc.edu/hpreu

Key Elements:

- eight weeks for eight students
- UMBC is located in the Baltimore-Washington corridor of industry and government agencies
- team work with dedicated graduate student mentors and faculty instructors
- 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 \$3,600

Unique Features:

- fully transferable three-credit course MATH447: Introduction to Parallel Computing using C with MPI
- state-of-the-art 86-node parallel cluster tara in the [UMBC High Performance Computing Facility \(HPCF, www.umbc.edu/hpcf\)](http://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 \(CIRC, www.umbc.edu/circ\)](http://www.umbc.edu/circ)
- field trips to local industry and government labs

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Funded by the National Science Foundation with additional support from UMBC and CIRC