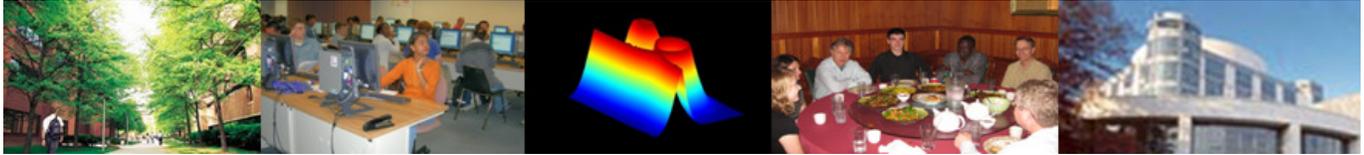# UMBC

AN HONORS UNIVERSITY IN MARYLAND

RESEARCH EXPERIENCES FOR UNDERGRADUATES SITE

REU Site: Interdisciplinary Program in High Performance Computing

University of Maryland, Baltimore County (UMBC)
Suburban campus just Southwest of Baltimore, Maryland
Summer 2015
www.umbc.edu/hpcreu

Key Elements:

- Eight weeks of instruction and research training from June 15 to August 7; for detailed schedule see www.umbc.edu/hpcreu
- **Certificate in High Performance Computing** granted by UMBC Training Centers with introduction to tools of scientific, statistical, and parallel computing (C, MPI, Linux, MATLAB, R, LaTeX)
- Access to the state-of-the-art 240-node parallel cluster maya with high performance interconnect in the UMBC High Performance Computing Facility (HPCF).
- Interdisciplinary projects with clients from industry and government agencies through the Center for Interdisciplinary Research and Consulting (CIRC).
- Professional development workshops; GRE prep course; poster presentation; technical report and publication opportunities; field trips to local industry and government labs

Funding Support:

- Full financial support includes:

  o Program stipend $4,000
  o UMBC campus housing and food allowance; Travel allowance
  o Textbooks and GRE course
  o Fees for instruction and research training for certificate in high performance computing

- Students may also participate with partial or no financial support

- Application deadline for full consideration: March 01, 2015 by online application

Contact:

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REU Site since 2010
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