RESEARCH EXPERIENCES FOR UNDERGRADUATES

Interdisciplinary Program in High Performance Computing

University of Maryland, Baltimore County (UMBC)
Summer 2010 and Summer 2011
www.umbc.edu/hpcreu

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

Unique Features:
- fully transferable three-credit course on parallel computing with MPI using the UMBC High Performance Computing Facility (HPCF)
- includes introduction to tools of scientific and statistical computing: MATLAB, SAS, R, Linux, LaTeX
- interdisciplinary projects with clients from industry and government agencies through the Center for Interdisciplinary Research and Consulting (CIRC)
- field trips to local industry and government labs; optional trip to SIAM Annual Meeting 2010 in Pittsburgh

Contact:
Department of Mathematics and Statistics, www.math.umbc.edu
University of Maryland, Baltimore County (UMBC), www.umbc.edu

Dr. Nagaraj K. Neerchal, Professor of Statistics
Dr. Matthias K. Gobbert, Professor of Mathematics

E-mail: hpcreu@umbc.edu

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

© Department of Mathematics and Statistics • University of Maryland, Baltimore County • 1000 Hilltop Circle, Baltimore, MD 21250 • 410-455-2412
UMBC is an Equal Opportunity and Affirmative Action Institution