

Research Scientists and Post-Doctoral Research Positions in Parallel Computing

We are actively looking for qualified candidates to join our research group as research scientists and/or post-doctoral researchers. Currently, we have several exciting research projects running, in the field of high-end computing:

- Parallel Architectures
- Parallel Programming
- System Software (parallelizing compilers, run-time libraries, etc.)
- Tools for Parallel Programming
- Hardware Design/Verification

The positions are associated with a unique opportunity to work directly with a state-of-the-art peta-flop scale (and beyond) architecture. As an example of the high-quality research work inspired by this project, see our recent ACM ISCA '07, SPAA '07 and PACT '07 publications at <http://www.capsl.udel.edu/>.

REQUIREMENTS: The positions normally require a Ph.D. in Computer Engineering, Computer Science or a related area. Qualifications include experience in parallel computer architecture and systems research, including parallel programming languages and system software, as well as hardware design/verification methods. *However, we are also looking for candidates with a Ph.D. in other disciplines, who classify themselves as domain-specific computation scientists, i.e., working on algorithms/applications for certain domains and who wish to study how to map their methods to future generation supercomputers.*

DUTIES: Lead, plan, organize, direct and control research projects; design and develop novel parallel programming, execution and architecture models; design software and hardware tools and conduct experimental studies to evaluate them; supervise and coordinate the work of other team members, mainly dynamic and talented graduate students; prepare research reports; write technical papers; interface with investigators in other institutions. Candidates for a senior position are also expected to serve as a lead researcher, participate in teaching, assist in obtaining funding for research and develop research proposals.

CONTACT: Send curriculum vitae, including names and telephone numbers of three references, to:

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