

Open Postdoctoral Position

The Computational Physics Group at the Aerospace and Mechanical Engineering Department at the University of Notre Dame is seeking a highly qualified candidate for the post-doctoral associate position in Computational Science and Engineering. The successful candidates will be a key part of a team that is developing and implementing adaptive, multiscale, high-performance (parallel) computational algorithms for numerical solutions of chemo-thermo-mechanical PDE's with emphasis on complex heterogeneous materials, such as heterogeneous reactive composites, etc.

Qualifications:

- Ph.D. in Mechanical Engineering, Theoretical and Applied Mechanics, Applied Mathematics, Physics or related engineering or science discipline
- Knowledge of computational nonlinear mechanics and numerical methods
- Knowledge of mechanics of materials, plasticity/damage, integration algorithms
- Knowledge of C/C++ and UNIX operating system
- Experience in parallel programming

Close Date:

Review of applications will begin immediately and continue until the position is filled.

Contact:

Interested applicants should send a CV with a cover letter, names of at least three references, and a summary of recent work. All applications should be submitted electronically (paperless process) as a **single PDF document** to:

Dr. Karel Matouš
Associate Professor
Co-Director of C-SWARM
E-mail: kmatus@nd.edu

WWW: www.nd.edu/~kmatous
WWW: <http://www.cswarm.nd.edu/index.html>
WWW: <http://ame.nd.edu>

The University of Notre Dame is an Affirmative Action, Equal Opportunity Employer. Women and minorities are encouraged to apply.