

ANNOUNCEMENT AND CALL FOR ABSTRACTS

MiniSymposium on Very Large Eigenvalue Problems

To be held at the Fifth U.S. National Congress on Computational Mechanics
Wednesday-Friday, August 4-6, 1999, University of Colorado at Boulder, CO, USA

Symposium Organizer: ANDREW V. KNYAZEVA

This MiniSymposium will provide a forum for presentation and discussion of innovative methods for eigenvalue problems in the simulation in engineering and physics. Focus is on approximation methods and iterative solvers, their mathematical foundation and computer implementation. Application areas are not restricted.

This Symposium is open for contributed abstracts. Contributions that reflect standard techniques, such as described in textbooks, are discouraged.

Contributions are solicited in the following areas:

- Innovative variational and weak formulations of eigenvalue problems
- Mathematical foundations and analysis of approximation methods for eigenproblems
- Numerical methods of finding sharp *a posteriori* bounds for eigenvalues
- Numerical solution of very large algebraic eigenvalue problems with emphasis on preconditioned iterative methods

Submission Instructions:

If you are interested in contributing to this MiniSymposium, please submit a one-page abstract of up to 400 words **by e-mail to aknyazev@math.cudenver.edu on or before December 15, 1998.**

All correspondence will take place by e-mail. Only ASCII files will be accepted. Please do not send encoded files. Abstracts sent by Fax or regular mail will not be considered.

Abstracts may be submitted in one of three forms: (1) plain text, (2) \TeX source compatible with the Plain \TeX format, or (3) Word 6 or 7 document in Rich Text Format (RTF). Please *do not* include figures or graphics. Avoid equations in title or text. Greek letters are acceptable if the abstract is submitted in \TeX . For samples of forms (1) and (2) click links in

<http://civil.colorado.edu/usnccm99/Abstracts.d/Instructions.html>

If the abstract is co-authored it must identify the e-mail of the corresponding author.

Abstracts deemed to fit the scope and objectives of the MiniSymposium will be communicated to the Congress organizers by January 15, 1999, and notification of acceptance will be given by e-mail to the corresponding author.

A final version for inclusion in the printed book of Abstracts should be submitted directly to the Congress e-mail address following the instructions posted on the Web site

<http://civil.colorado.edu/usnccm99/> before May 15, 1999, see other important dates at

<http://civil.colorado.edu/usnccm99/Schedule.d/ImportantDates.html>

Participants must register following the instructions at

<http://civil.colorado.edu/usnccm99/Registration.d/Registration.html>

MiniSymposium Organizer Address:

Andrew Knyazev, aknyazev@math.cudenver.edu

Department of Mathematics

University of Colorado at Denver

URL: <http://www-math.cudenver.edu/~aknyazev>

Congress Program and Registration Information

Posted at: <http://civil.colorado.edu/usnccm99>