

Announcement and Call for Abstracts

Symposium on Meshfree Methods

Fifth U.S. National Congress on Computational Mechanics

University of Colorado at Boulder, CO, USA

August 4-6, 1999

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

Symposium Organizers: W.K. Liu, T. Belytschko, J.S. Chen and L. Schwer

During the last five years, there have been important advances in the development of the next generation of numerical methods, generally called meshfree methods. While progress in the fundamentals and applications of meshfree methods has been rapid, many challenges in this class of methods remain. This Symposium is organized to provide a forum for discussion on recent progress and future directions in meshfree methods.

Contributions are solicited in the following areas:

- New techniques in meshfree methods
- Fundamental difficulties in meshfree methods
- Improvements in meshfree methods
- Mathematical analysis of meshfree methods
- Applications of meshfree methods
- Implementation issues in meshfree methods
- Special properties and numerical performance of meshfree methods
- Meshfree methods for challenging engineering problems
- Meshfree adaptivity methods
- Parallel computation in meshfree methods
- Identification of future opportunities

If you are interested in contributing to this Symposium, please submit a one page abstract of up to 400 words by e-mail to J. S. Chen listed below on or before January 15, 1999. Notification of acceptance will be given by e-mail to the corresponding author. If the abstract is co-authored it must identify the e-mail of the corresponding author. All correspondence will take place by e-mail. A final version of the Abstract, for inclusion in the printed book of Abstracts, may be submitted before May 15, 1999. This final form is to be sent directly to the Congress e-mail address following the instructions posted on the Web Site. 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 or Word. For samples of forms (1) and (2) click links in <http://civil.colorado.edu/usnccm99/Abstracts.d/Instructions.html>.

Abstract Submission:

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