

ANNOUNCEMENT AND CALL FOR ABSTRACTS

MiniSymposium on Computational Plasticity

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 Organizers: D. R. J. OWEN, D. PERIĆ AND E. OÑATE

This MiniSymposium will provide a forum for presentation and discussion of both the theoretical bases for the solution of plasticity problems and the numerical algorithms necessary for efficient and robust computer implementation. Contributions related to innovative applications of computational plasticity to practical engineering problems are also invited.

Contributions are solicited in the following areas:

- Constitutive models and fundamentals: Development and verification of constitutive models involving plasticity, visco-plasticity, cyclic plasticity, dynamic plasticity, damage mechanics, etc.
- Computer implementation of constitutive models including parallel processing and nonlinear equation solution techniques for large scale plasticity problems
- Discrete elements and granular dynamics methodology with applications
- Plastic fracture and fatigue
- New element formulations for plasticity
- Optimum shape design and inverse methods for plasticity problems
- Error estimation and adaptive strategies for plasticity problems
- Localization and plastic instability
- Innovative applications to practical engineering problems including forming processes, rock mechanics, geomechanics, process engineering, etc.

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 one of the organizers listed below *on or before December 15, 1998*. Abstracts sent by Fax or regular mail will not be considered.

Abstracts may be submitted in one of three forms: (1) plain text, (2) T_EX source compatible with the Plain T_EX 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 T_EX or Word. 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. All subsequent correspondence will take place by e-mail.

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

A final version 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.

MiniSymposium Organizer Addresses:

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