

Call for Abstracts

Minisymposium On

Modeling, Analysis and Design for Functionally Graded Materials (FGM)

Sixth U.S. National Congress on Computational Mechanics

August 1-4, 2001

Hyatt Regency Dearborn, Michigan, USA

Functionally graded material is currently being intensively studied, as a next-generation phase composite, in order to achieve the high-performance in thermomechanical, energy and biomechanical engineering applications. In last 5TH USNCCM, many interesting papers had been presented in the FGM symposium. This mini-symposium intends to provide FGM-researchers opportunities for exchanging and discussing the state-of-art techniques in the development of FGMs. Presentations associated with FGMs are invited to join this symposium. As well, please encourage your colleagues to attend this symposium. It will cover the following topics, but not limited to:

- Functionally graded composite structures;
- Functionally graded solar-electric & heat-electric energy conversion materials;
- Functionally graded bio-compatible materials;
- Mathematical modeling/ computational techniques;
- Computational fracture mechanics for FGMs;
- Material-property estimation techniques;
- Numerical or/and experimental analysis;
- Optimal, neural-network design;
- Manufacturing and evaluation techniques;
- Other relevant topics.

Abstracts (prepared with MS-Word, plain text or Latex) **should be sent to one of the organizers** by email, fax or mail, **until January 31, 2001**. Notification of acceptance will be sent to the authors by March 15, 2001. **More details** on the abstract submission, the congress schedule and other general information can be found at the 6th USNCCM web site: <http://www.usnccm.org> .

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