



ASME International

## CALL FOR PAPERS

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AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)  
2004 International Mechanical Engineering Congress and Exposition (IMECE)  
(<http://www.asme.org/congress>)

Anaheim, California, November 14-19, 2004

### Symposium on

### **MECHANICS OF CELLULAR MATERIALS AND STRUCTURES** Sponsored by the Structures and Materials subcommittee of the Aerospace Division

The Structures and Materials subcommittee of the Aerospace Division is organizing a symposium on “mechanics of cellular materials and structures”. The objective of the symposium is to summarize the state of the art and to identify future research trends and opportunities in the general area of cellular materials. Experimental, theoretical and computational approaches for the evaluation of the performance and of the multifunctionality of various cellular components will be discussed. Examples of topics addressed during the symposium include:

- Practical applications of cellular materials
- Truss core and prismatic core structures
- Lattice Block Materials and Kagome structures
- Static and dynamic performance evaluation of cellular structures
- Response of cellular structures under thermal loads
- Innovative honeycomb configurations
- Multifunctional behavior
- Homogenization and multiscale modeling
- Buckling and post buckling behavior
- Failure mode analysis
- Innovative sandwich structures configurations
- Foam mechanics

Interested authors should submit a 300-500 word abstract by March 30, 2004. Presenters have the option of submitting a full paper by June 30, 2004, which will then be reviewed for inclusion in the conference proceedings.

### **ORGANIZERS**

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