

Announcement

Symposium on Turbulence Simulation

Sixth U.S. National Congress on Computational Mechanics

Dearborn, Michigan, USA

August 1-4, 2001

<http://www.usnccm.org>

Symposium Organizer:

K.E. Jansen

The symposium on turbulence simulation is an international forum that aims to promote collaboration among engineers, mathematicians and scientists focused on the development of methods to simulate turbulent fluid flow. It is expected to be a biennial symposium held in conjunction with the US National Congress on Computational Mechanics (USNCCM).

Scope of the Symposium

Abstracts and papers are invited dealing with all aspects of turbulence simulation, including but not limited to,

1. Reynolds-averaged Navier-Stokes Modeling and simulation (RANSS)
2. Large-eddy modeling and simulation (LES)
3. Direct numerical simulations (DNS)
4. Approaches to make turbulence simulations more efficient including:
 - a) More accurate numerical methods
 - b) Boundary conditions that reduce the required computational domain
 - c) Algorithms which enable coupling or blending of more than one type of simulation (e.g., Hybrid RANSS/LES)
 - d) Better performance on serial and parallel architecture
 - e) Unstructured grid methods for application to complex geometry and for reduction in the number of degrees of freedom via local refinement
5. Applications of any of the above to either academic or industrial problems

Abstract Submission

Abstracts are required for the conference and will be included in the conference proceedings. Abstracts should be plain text and should be less than 500 words. Please submit one page electronic version of your abstract by January 31, 2001 to Professor Kenneth Jansen, jansen@rpi.edu. Authors will be notified of acceptance by March 15, 2001.

Important Dates

Abstract Due:	January 31, 2001
Notification of Acceptance of Abstracts:	March 15, 2001
Early Registration Deadline:	June 15, 2001
US National Congress on Computational Mechanics (USNCCM):	August 1-3, 2001
Short Course:	August 4, 2001

Symposium Organizers

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Additional Information

Additional information on the conference can be found at: [**http://www.usnccm.org**](http://www.usnccm.org)