



(Second Announcement)

21st International Conference on Parallel Computational Fluid Dynamics

Parallel CFD 2009

May 18-22, Moffett Field, California, USA

Objective & Scope

Parallel Computational Fluid Dynamics (ParCFD) 2009 is the 21st in a series of annual international meetings dedicated to the discussion of recent developments and applications of parallel computing in the field of CFD and related disciplines. Since establishment of the conference series, parallel computers have become the dominant form of large-scale computing. Emergence of multi-core and heterogeneous architectures in parallel computers has created new challenges and opportunities for applications research and performance optimization in advanced CFD technology.

Call for Abstracts

ParCFD 2009 will include contributed and invited papers, panel discussions, a poster session and mini-workshops. Researchers in the fields of high-performance computing and CFD are invited to submit extended abstracts of 3-5 pages with key figures and references that present recent unpublished developments, original research findings, and emerging challenges. Topics of interest include, but are not limited to:

- Tera- and Peta-Scale Computing
- Multi-Scale & Multi-Physics Applications
- Multi-disciplinary Design Optimization
- Atmospheric & Ocean Modeling
- Parallel Algorithms & Solvers
- Parallel Software Development
- Fluid-Structure Interaction
- Turbulence
- Acoustics
- Combustion
- Plasma Dynamics
- Medical, Biological, & Engineering Applications

All submitted abstracts will be reviewed by members of the Scientific Program Committee prior to acceptance. Originality, relevance, completeness, and clarity of the manuscript will be considered in the review process. Presentation at the conference does not guarantee publication of full-length papers in the post-conference proceedings.

Invited Speakers

- Dimitris Drikakis, Cranfield University
- Wagdi G. Habashi, McGill University
- Kazuhiro Nakahashi, Tohoku University
- Horst Simon, Lawrence Berkeley National Laboratory

Invited Sessions

- CFD on the World's Four Fastest Supercomputers
- NASA Space Exploration Applications
- CFD for Ship Hydrodynamics
- Parallel Mesh-Free Methods

Information on additional invited speakers and sessions will be forthcoming

Key Dates

March 1, 2009: Abstract submission deadline
March 22, 2009: Notification of acceptance
April 10, 2009: Early registration deadline
April 17, 2009: Final revised abstract due
May 18-22, 2009: ParCFD 2009
September 4, 2009: Final paper submission deadline

About the Venue

ParCFD 2009 will be held near the heart of Silicon Valley, in the city of Moffett Field, home of NASA Ames Research Center, and conveniently located near San Francisco, Napa Valley, and beautiful beaches.

Conference Chair

Rupak Biswas, NASA Ames Research Center, USA

For more information, please visit the conference website: <http://www.parcfd.org/2009/>