



SC08 is the International Conference for High Performance Computing, Networking, Storage and Analysis

Contributed by:

Visual Numerics®

## The SC08 Analytics Challenge – *Are You Up To The Challenge?*

Now is the time to start planning your submission for the SC08 Analytics Challenge. SC08 will be the fourth year of the Analytics Challenge. The challenge highlights rigorous and sophisticated methods for solving complex, real-world problems.

In past years, winning submissions have been:

### SC07 Analytics Challenge

"Angle: Detecting Anomalies and Emergent Behavior from Distributed Data in Near Real Time"

Technology that detects emergent and anomalous behavior in distributed IP packet data.

### The SC06 Analytics Challenge

"Remote Runtime Steering of Integrated Terascale Simulation and Visualization".

A novel analytic capability for scientists and engineers to obtain insight from ongoing large-scale parallel unstructured mesh simulations running on thousands of processors.

### Other finalists include:

- ◆ Detecting Anomalies from Distributed Data in Real Time;
- ◆ A Structured Approach for Tera-Scale Seismic Response Simulation;
- ◆ Closing the Analysis Gap in the Post-Genomic Era;
- ◆ Computational Oral and Speech Science on E-Science Infrastructures;
- ◆ High Performance Distributed Visualization of Large Data Sets on PC Clusters;
- ◆ Remote Runtime Steering of Integrated Terascale Simulation and Visualization;
- ◆ MICRODEM Terrain Grid Computing;
- ◆ Interactive DNA Data Bank Access with a High Resolution Tiled; and
- ◆ Display Wall real-time.

For more information, please visit <http://www.vni.com/SC08challenge>.

### SC08 ANALYTICS CHALLENGE

The Analytics Challenge will provide a forum for researchers and industry representatives to present complete solutions that embody all facets of high performance computing, such as comprehensive computational approaches, processing of large data sets and high-end visualization technology to display results. The Analytics Challenge will also bring forth interesting applications from a wide variety of areas. Past finalists have presented solutions in areas such as orthodontics, traffic control, atomic energy, geophysics and music classification. The finalists will be chosen by a panel of judges in August 2008 and will be invited to present their submissions at SC08. The overall winner will be announced at the SC08 Awards Ceremony.

For more information email

[analytics-challenge@info.supercomputing.org](mailto:analytics-challenge@info.supercomputing.org)

### SC08 ANALYTICS COMMITTEE

Don Costello, University of Nebraska  
Paul Fussell, Boeing  
Sharan Kalwani, General Motors Corporation  
Timothy Leite, Visual Numerics, Inc.  
Jill Matzke, SGI  
Dan'l Pierce, Access Analytics  
Betsy Riley, Oak Ridge National Laboratory  
Michael Schulman, Sun Microsystems  
Diglio Simoni, RTI International  
Richard Strelitz, Los Alamos National Laboratory

### 2008 SCHEDULE ◆ Dates to Remember

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
July						August			November		
Submissions Deadline:						Finalist Notification:			Winner Announced:		
Thursday, July 31, 2008						Monday, August 18, 2008			Thursday, November 20, 2008		