



Research Computing in the Petascale Era

Learn about High Performance Computing and the technologies that earned IBM a \$244M award from the Defense Advanced Research Projects Agency (DARPA)

September 16, 2009
Noon – 3pm

FOR: Organizations performing computational research or addressing complex and large scale computing and data analysis problems.

FOR: CIOs, IT professionals, researchers, scientists, and anyone doing data analytics.

Dr. Leslie Michelson will discuss the University of Medicine & Dentistry (UMDNJ) implementation of the iDataPlex Intel Cluster

Agenda:

Round Table Introductions and Luncheon

High Performance Computing (HPC) Trends and Directions

Janis Landry-Lane, IBM Program Director

iDataPlex (The "Greenest" x86 HPC Cluster) and General Parallel File System (GPFS)

Henry Brandt, IBM Sr. Technical Staff Member
Edward Hayes-Hall, IBM Sr. IT Architect

iDataPlex Intel Cluster Customer Testimonial

Dr. Leslie Michelson, UMDNJ Director, HP Computing

Why Micro Strategies

Post-event, you will have an opportunity to meet one-on-one with additional technology partners to discuss related HPC solutions.

Scheduled Speakers Include:

Janis Landry-Lane, IBM Program Director for Worldwide Deep Computing, will discuss architectural considerations in High Performance Computing.

Dr. Leslie Michelson, UMDNJ Director, High Performance Computing Program, will discuss their implementation of the iDataPlex Intel Cluster.

Areas of discussion:

- The many ways to build/deploy large computer clusters
- Advantages of the various architectures
- The different behaviors of different applications
- Examples of application performance and variables for Linux clusters, including:
 - . processor type and number of processors per node
 - . number of cores
 - . size of the caches
 - . memory bandwidth
 - . high-speed interconnect
 - . file system's access to disk

Register today at: www.microstrat.com/events. The event will be held at:

**Micro Strategies' Business Partner Innovation Center
85 Bloomfield Avenue, Denville, NJ 07834**

For more information, contact Michael Schuckman: mschuckman@microstrat.com or 973-625-7721