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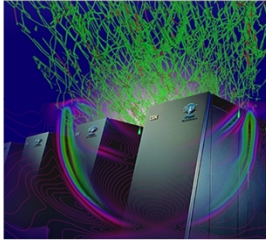
National Roadmap Summit: Speaker Presentations

A NATIONAL ROADMAP ON ADVANCING CLEAN ENERGY TECHNOLOGIES

ENTREPRENEURSHIP AND INNOVATION
THROUGH HIGH PERFORMANCE COMPUTING

The National Summit: May 16-17, 2011

General Jim Jones offered Opening Remarks

Tomás Díaz de la Rubia delivered the Concluding Remarks

The following speakers shared PowerPoint presentations at the National Summit:

Dr. John P. Holdren, White House
Science & Technology Advisor

"Energy-Technology Innovation for America's Future and the World's"

"Only with improved technologies can we maintain U.S. competitiveness in the global energy-technology market…and the jobs that go with it."

Dr. Steven E. Koonin, former Undersecretary for Science, U.S. Department of Energy

"High Performance Computing in the Broader Energy Context"

"Simulations have demonstrated improvements in product development cycles across several industry sectors…China is pursuing HPC vigorously; US investment is critical if we want to compete."

Dr. David Turek, Vice President of Deep Computing, IBM

"Building a Smarter Planet--Green and Beyond"

"Of all the potential electricity available in an energy source, only 30 percent reaches consumers…an estimated 170 billion kilowatts are wasted by consumers each year due to insufficient power usage information."

Dr. Thom Mason, Director, Oak Ridge National Laboratory

"Accelerating Discovery and Innovation for Clean Energy"

"We need predictive simulation capabilities to address climate change consequences…Extreme-scale computing is key to accelerating progress on some of our most challenging science and technology problems."