Simulations Summit

Wednesday, October 13, 2010, 8:30 AM – 3:00 PM
Capitol Rooms A and B, Hyatt Regency Washington on Capitol Hill, Washington, DC

7:45 – 8:30  Continental Breakfast and Registration

8:30 – 9:00  Welcome
Steven Koonin, Under Secretary for Science of the Department of Energy

9:00 – 9:30  Keynote
Ernest Moniz, Cecil and Ida Green Distinguished Professor of Physics, Massachusetts Institute of Technology, and member of the President’s Council of Advisors on Science and Technology

9:30 – 10:00  Introduction
Steven Chu, Secretary of the Department of Energy

10:00 – 10:15  Break

10:15 – 10:45  Current Status of High-Performance Computing in the United States
Horst Simon, Deputy Director, Lawrence Berkeley National Laboratory

10:45 – 11:45  Panel 1: An Effective Industrial High-Performance Computing Ecosystem
Moderator: Charles Romine, Senior Policy Advisor to the Director, NIST
Tom Lange, Director of Modeling and Simulation Corporate R&D, Procter & Gamble
Berity Moberg, IT Manager of Engineering and Security Operations at Ford Motor Company
Ray Johnson, Senior Vice President and Chief Technology Officer, Lockheed Martin
Sri Srinath, Product Manager, Caterpillar Inc.
Tim Noonan, Vice President, Advanced Global Services and Support, The Boeing Company

11:45 – 12:45  Working Lunch: Made to Order: Towards Materials by Design through SBE&S
Sharon Glotzer, Stuart W. Churchill Professor of Chemical Engineering, University of Michigan

12:45 – 1:30  Panel 2: Education Strategies in High-Performance Computing
Moderator: Alan Bishop, Associate Director of Theory, Simulation, and Computation, Los Alamos National Laboratory
Michael D. Smith, John H. Finley, Jr. Professor of Engineering and Applied Sciences and Dean of the Faculty of Arts and Sciences, Harvard University
Donald Lamb, Professor of Physics and Astronomy, University of Chicago and Director of ASC Flash Center, Enrico Fermi Institute
Thom Dunning, Director, National Center for Supercomputing Applications, and Professor, Distinguished Chair for Research Excellence in Chemistry, University of Illinois Urbana-Champaign

Moderator: Dona Crawford, Associate Director of Computation, Lawrence Livermore National Laboratory
Thom Mason, Laboratory Director Oak Ridge National Laboratory
William Madia, Stanford University Vice President for the SLAC National Accelerator Laboratory
Dimitri Kusnezov, Senior Advisor to the Administrator Chair, Defense Programs Science Council National Nuclear Security Administration, Department of Energy
Peter Ungaro, Chief Executive Officer, Cray

2:30 – 3:00  Summit Summary
Nicholas Donofrio, IBM Fellow Emeritus, Former Executive Vice President of Innovation and Technology, IBM