UPDATED AGENDA
MONDAY FEBRUARY 11, 2008

0730 - 0900 Registration & Continental Breakfast

0900 – 0910 Opening Remarks
Welcome and Introductions
RADM Fred Lewis, USN(Ret), President, National Training and Simulation Association

0910 – 0930 Opening Congressional Commentary

0930 – 0945 Status Report of Leadership Summit 2007, Plan for Day
Dr. Linda Brent, Chair, M&S Leadership Summit

0945 – 1130 M&S and Education in the Scientific Realm

Moderator:	Mr. Bill Waite, President, Alabama Modeling and Simulation Council and President, The AEgis Technologies Group, Inc.
Medicine:	Dr. Mika Sinanan, Professor of Surgery, University of Washington
Engineering:	Dr. Bernard P. Ziegler, Professor, Department of Electrical & Computer Engineering, University of Arizona, and Director of ACIMS
Space Science:	**Dr. Edwin Zack Crues, Architecture Lead for M&S Labs, Constellation Program (CxP), NASA**
Weather & Climate:	Dr. Robert M. Atlas, Director of the Atlantic Oceanographic and Meteorological Laboratory, NOAA
Environment:	Dr. John Nestler, U.S. Army Engineer Research and Development Center
Computational Engineering:	**Mr. Kyle Anderson, Professor, University of Tennessee - Chattanooga, SimCenter: National Center for Computational Engineering**

1130 – 1300 Lunch

1300 – 1330 Keynote Address
Dr. Charles Romine, Senior Policy Analyst, White House Office of Science & Technology Policy

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1330 – 1500 M&S Applications in Infrastructure, Security and Education

Moderator:	Mr. Russ Hauck, Executive Director, National Center for Simulation
Energy:	Mr. Clark Gellings, VP of Technology, Electric Power Research Institute
Transportation:	Mr. John Wiley, Managing Director of FAA Integrated Engineering Services
Homeland Security:	Mr. George Ryan, Director, Test & Evaluation, Science and Technology Directorate, Department of Homeland Security
Finance:	Mr. Larry Boyer, Principal Economist, Freddie Mac
Education:	Dr. Bowen Loftin, Vice President and Chief Executive Officer of Texas A&M, Galveston

1500 – 1530 Break

1530 – 1700 The M&S Role in the Educational Process

Moderator:	BG (Ret) Mike McGinnis, Executive Director, Virginia Modeling Analysis and Simulation Center
Elementary and Secondary Education:	Mr. Brian Wells, Senior Engineering Fellow, Raytheon Corporation
Higher Education:	Dr. Roseann Runte, President, Old Dominion University
Graduate Education:	Mr. Jeffrey Goss, Assistant Dean, Ira A. Fulton School of Engineering, Arizona State University
Professional Development:	Dr. David H. Olwell, Chair, Department of Systems Engineering, Naval Postgraduate School
Policy Analysis:	Mr. Jon Parker, Assistant Director for Modeling and Computing, Center on Social and Economic Dynamics, The Brookings Institution
Certification/ Accreditation:	Mr. Bill Tucker, Chairman, CMSP Board of Directors and Chief Scientist for Modeling and Simulation, Boeing Integrated Defense Systems

1700 – 1730 Congressional Caucus Commentary and Closing Remarks

1730 – 1900 Closing Reception (Cash Bar)

Kyle Anderson
Professor, University of Tennessee - Chattanooga,
SimCenter: National Center for Computational Engineering

Kyle Anderson is a professor at the National Center for Computational Engineering located at the University of Tennessee at Chattanooga. Before coming to the university, he worked for close to 20 years as a research scientist at the NASA Langley Research Center in Hampton, Virginia, where he specialized in developing algorithms for the numerical simulation of problems involving fluid dynamics. He is an associate fellow of the American Institute of Aeronautics and Astronautics and a recipient of the AIAA Lawrence Sperry Award. He has also been awarded NASA's Exceptional Achievement Medal and is a co-recipient of the Gordon Bell prize for supercomputing.

Dr. Edwin Z. (Zack) Crues
Architecture Lead for M&S Labs, Constellation Program (CxP), NASA

Zack Crues received a B.S., M.S. and Ph.D. in Aerospace Engineering from the University of Texas Aerospace Engineering and Engineering Mechanics Department in 1983, 1985 and 1989 respectively.

After graduating from UT in 1989, Zack spent two years working at the German Aerospace Research Establishment (DLR - Oberpfaffenhofen) outside of Munich Germany. At DLR, he worked with Dr. Klaus Well and a team of engineers to develop a launch vehicle optimization package for the European Space Agency (ESA). This package is now commercially available under the product name ASTOS™. This work included the investigation of launch trajectories for the Ariane IV and Ariane V conventional launch vehicles and the Saenger two-stage to orbit reusable launch vehicle.

From May 1992 to April 2004, Zack worked for LinCom Corporation (now L3 Communications) at NASA Johnson Space Center in Houston Texas. His primary focus has been on developing advanced software technologies for space application. These include a number of high fidelity dynamic simulations for the Shuttle and the International Space Station (ISS) programs. Effective April 2004, Zack began working as a NASA employee at Johnson Space Center in the same capacity.

Zack is now the Architecture Lead for the Modeling and Simulation Laboratories in support of NASA's Constellation Program (CxP). Zack's CxP duties also include project lead for the Integrated Mission Simulation (IMSim), a distributed and interoperable federation of spacecraft simulations that model NASA's new Ares launch vehicle and Orion spacecraft. Zack is also the technical lead for the JSC Engineering Orbital Dynamics package (JEOD), an orbital mechanics software packaged used for many Shuttle, ISS and CxP spacecraft simulations.

Zack has taught a number of object oriented programming courses in C++ at the University of Houston Clear Lake campus. He is also the co-inventor of a high performance large scale JAVA™ based distributed computing technology called JGravity™. This technology provides an easy to use system for solving very large distributable problems across an unaffiliated collection of heterogeneous networked computers.