



**A Roundtable on the Future of the
Modeling and Simulation
Profession, Industry,
and Marketplace**

**I/ITSEC 2008
4 December 2008
Orlando, FL**



Observers welcome capacity permitting
(Interested observers contact
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Meeting Agenda

I. Introduction



A. Welcome and Introductions

B. *SimSummit* CONOPS Review

II. Meeting Discussion Topics

A. *SimSummit* Topic Agenda Overview

B. M&S Education and Workforce

C. Current Events

III. ACTION



Welcome from the Executive Committee

- National Training Simulation Association (NTSA)
- Modeling and Simulation Society International (SCS)
- Simulation Interoperability Standards Organization (SISO)



Self-Introductions of Member and Observer Organizations

- Individual Name
- Organization Represented
- Organization 'stake' in M&S community-of-practice



SimSummit Concept

- What? - Round-table of preeminent M&S 'organizations'
- Who? – Interested organizations from Industry, Government and Academia ... facilitated by non-profit Societies
- When / Where? – Opportunistic overload of organized events
- Why? – Influence the future of the M&S Discipline, Profession, Industry, and Market
- How? – Collective, consensus-based discussion decision, and action

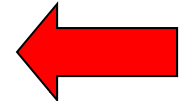


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**B. M&S Education and Workforce
Development**

1. Curricular Development

2. CMSP Evolution

3. Body-of-Knowledge (BOK) Index

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Power of a 'Topical Agenda'

TOPICAL AGENDAS:

- Sensitize communities to significant shared issues and opportunities
- Frame the domain of debate, decision, and action
- Provide 'hooks' to which organizations and constituencies can subscribe (common) interest
- Provide loci for programmatic commitment and coordination of cooperative effort



Review of Candidate Topics

Topics of Interest

	Commercial	Education	Government	Societies
	Edge Technologies Group Inc.			
	The Boeing Company - Phantom Works			
	CACI Inc.			
	Greenley & Associates			
	RAM Laboratories, Inc.			
	Raytheon Company			
	SANIC			
	Georgia Tech / MSRECE			
	John Hopkins University (JHU/APL)			
	McLeod Institute of Simulation Sciences (MISS)			
	Old Dominion University (ODU/ASC)			
	University of Alabama (U/AMSC)			
	Arizona (AC/AMS)			
	University of Central Florida (USFC)			
	DND SECO			
	DSTL			
	NASA - KSC			
	NASA - LRC			
	NATO MSS			
	NIST			
	UK SECO			
	US AFAMIS			
	US Army BCS&D			
	U.S. DoD DMSO			
	U.S. Marine TECOM			
	NAVY/MSMO			
	ACM SIGSIM			
	NCS			
	NTSA			
	SISO			
	SCS			

TOPICS	Commercial	Education	Government	Societies
TECHNOLOGY				
Research Agenda				
Conceptual modelling				
Composability				
Interoperability				
Data Management				
Architecture Management				
Standards				
PROFESSIONAL DEVELOPMENT				
Stakeholders				
Community-of-Practice				
WD Needs / Requirements				
Body-of-knowledge Specification				
Curricular Management				
Professional Certification				
Code of Ethics				
INDUSTRIAL DEVELOPMENT				
Identity, recognition				
Scope				
Fragmentation Versus Synergy				
Labor Classification Codes				
Industrial Classification Codes				
M&S Asset (life-cycle) Management				
Organizational Relations				
Event Coordination				
BUSINESS PRACTICE				
Economics of M&S				
M&S Market Description				
M&S-based Enterprise				
Business Case Specification				
Acquisition/Procurement Application				
M&S Investment (Technology/Asset/Application) and ROI				
Reuse of M&S assets				
Cost of ... M&S asset development, uses, etc.				
Value of ...				
Economic Impact				

TOPIC	QUESTION / ISSUE
TECHNOLOGY	What M&S powerful M&S technologies are available? What technology investment is desired?
Research Agenda	What is / ought-to-be the M&S technology research agenda?
Conceptual modelling	How can / do we abstract from our appreciation of the 'referent' to establish a conceptual model suitable for M&S development, qualification, integration, and use?
Composability	How can / do we cost-effectively compose persistent M&S assets into higher-order ensembles?
Interoperability	How can / do we cost-effectively guarantee interoperability of M&S assets reused in alternative contexts or integrated into higher-order ensembles?
Data Management	How can / do we cost-effectively acquire, qualify, use and re-use referent characteristics / scenario / and behavior data and simultaneous asset operation data?
Architecture Management	What are the implications for M&S of architecture-management concepts and practices (being) applied to: enterprise, objective systems, simulation assets, etc.?
Standards	How do standards affect M&S cost-utility? What standards are worth investment? How should standards definition, promulgation, and compliance be administered?



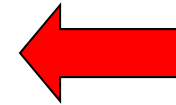
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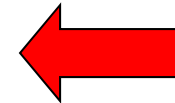
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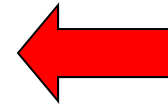
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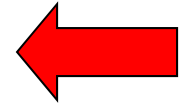
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1. Economics of M&S

2. Congressional Caucus Leadership Summit

3. M&S Industrial Development Network

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ACTIONS

- BOK
 - Initialization of Advisory Board
 - Notification of access to BOK collaborative environment
- Econ of M&S
 - Posting of Economics References to web site and BOK sharepoint site
- Congressional Caucus
 - Leadership Summit input participation
 - State / regional meeting opportunities
 - Success Stories compilation

