



SimSummit



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

**Thursday, December 2, 2010
9:00 - 11:00
Room S210B**

Observers welcome capacity permitting



**I/ITSEC 2010
Orlando, FL**



Meeting Agenda Preview

I. Introduction

II. Discussion

A. *SimSummit* Participation

B. “*SimSummit*” Activities

C. *SimSummit* Administration

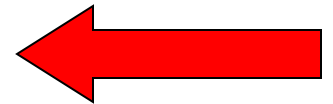
III. Conclusion

Meeting Agenda

I. Introduction

A. SimSummit Organization and
Concept-of-Operations Review

B. "SimSummit" Agenda Topics



II. Discussion

III. Conclusion

SimSummit

Executive Committee

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

SimSummit Concept

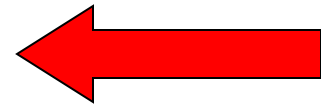
- What? - Round-table of preeminent M&S 'organizations'
- Who? – Interested organizations from Industry, Government and Academia ... facilitated by non-profit Societies
- When / Where? – Opportunistic overload of organized events
- Why? – Influence the future of the M&S Discipline, Profession, Industry,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

Meeting Agenda

I. Introduction

*A. SimSummit Organization and
Concept-of-Operations Review*

B. SimSummit Agenda Topics



II. Discussion

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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

Technology

- Body of Knowledge (Index)
- Research Agenda
- Conceptual Modeling
- Simulation System Composition
- Credibility – VV&A
- Standards

Workforce Development

- Body of Knowledge (Index)
- Professional Competency Needs
- Instructional Curricula
- Code of Ethics
- Professional Certification
- Science Technology Engineering and Mathematics (STEM) Entailments
- Workforce Development Campaign Program

Industrial Development

- Industrial Identification – Self-conscious Recognition
- Organizational Relations
 - Industry
 - Professional Societies
 - Government (Legislature / Executive, Inter-Departmental, Multinational)
- Organizational Development
 - National Organizational Presence
- National M&S Enterprise Campaign

Business Practice

- NAICS Codes
- Labor Market Demand
- Investment Metrics (ROI etc.)
- Business Case Expression
- 'Economics of M&S' Program

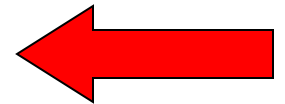
Meeting Agenda

I. Introduction

II. Discussion

A. SimSummit Participation

1. Republic of Korea Agency for Defense Development (ADD)



B. “SimSummit” Activities

C. SimSummit Administration

III. Conclusion

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- Name : Changbum Ahn / Ph.D.
 - Affiliation : Integrated Prompt Engagement Control Directorate
The PGM R&D Institute
Agency for Defense Development
 - Title : Director / Principal Research Engineer
 - E-mail : cbahn@add.re.kr
 - Research Interests
 - Defense Modeling and Simulation
 - M&S based Systems Engineering
 - Development of M&S applications for Underwater Systems
 - Integration of shipboard systems into combat systems
 - Battle Experiments for Guided Weapon Systems



Meeting Agenda

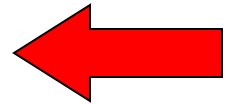
I. Introduction

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A. SimSummit Participation

B. “SimSummit” Activities

1. M&S Body-of-Knowledge Index



2. M&S Code of Ethics

3. CMSP Professional Certification

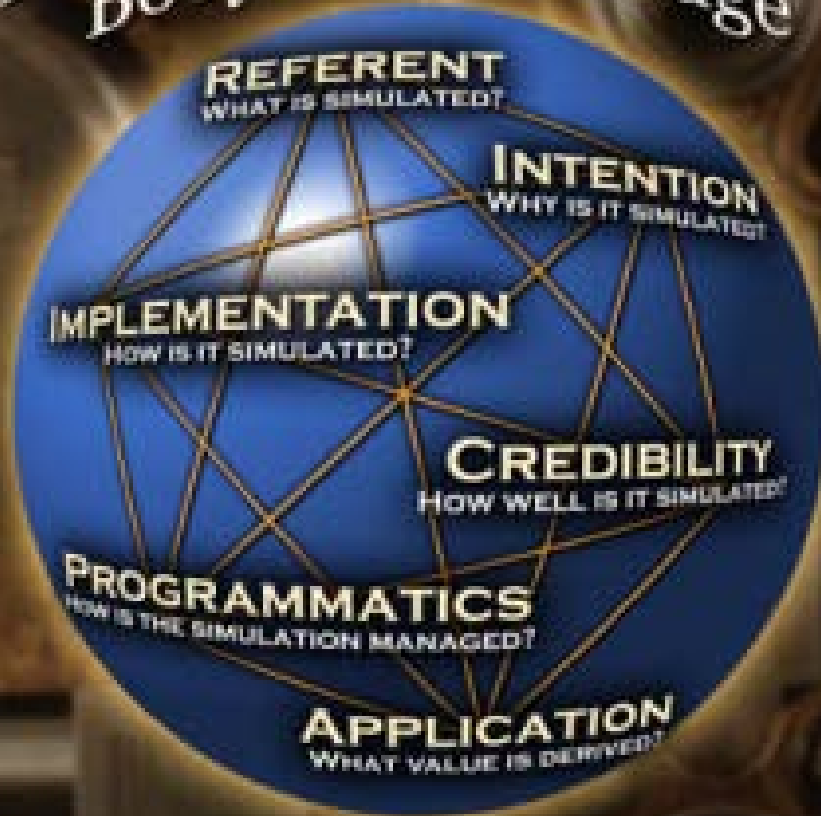
4. Investment Metrics (ROI etc.)

C. SimSummit Administration

III. Conclusion

SIMULATION

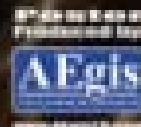
Technology/Professional
Body of Knowledge



WHAT KNOWLEDGE AND
CAPABILITY DISTINGUISHES
THE SIMULATION PROFESSIONAL?



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Meeting Agenda

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II. Discussion

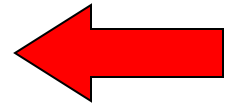
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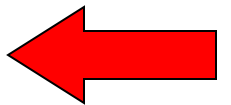
2. M&S Code of Ethics

3. CMSP Professional Certification

4. Investment Metrics (ROI etc.)

C. SimSummit Administration

III. Conclusion



Certification of Simulation Professionals

M&SPCC

Modeling and Simulation Professional Certification Commission

**A worldwide community of
Modeling and Simulation
Professionals...**



www.simprofessionals.org

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Meeting Agenda

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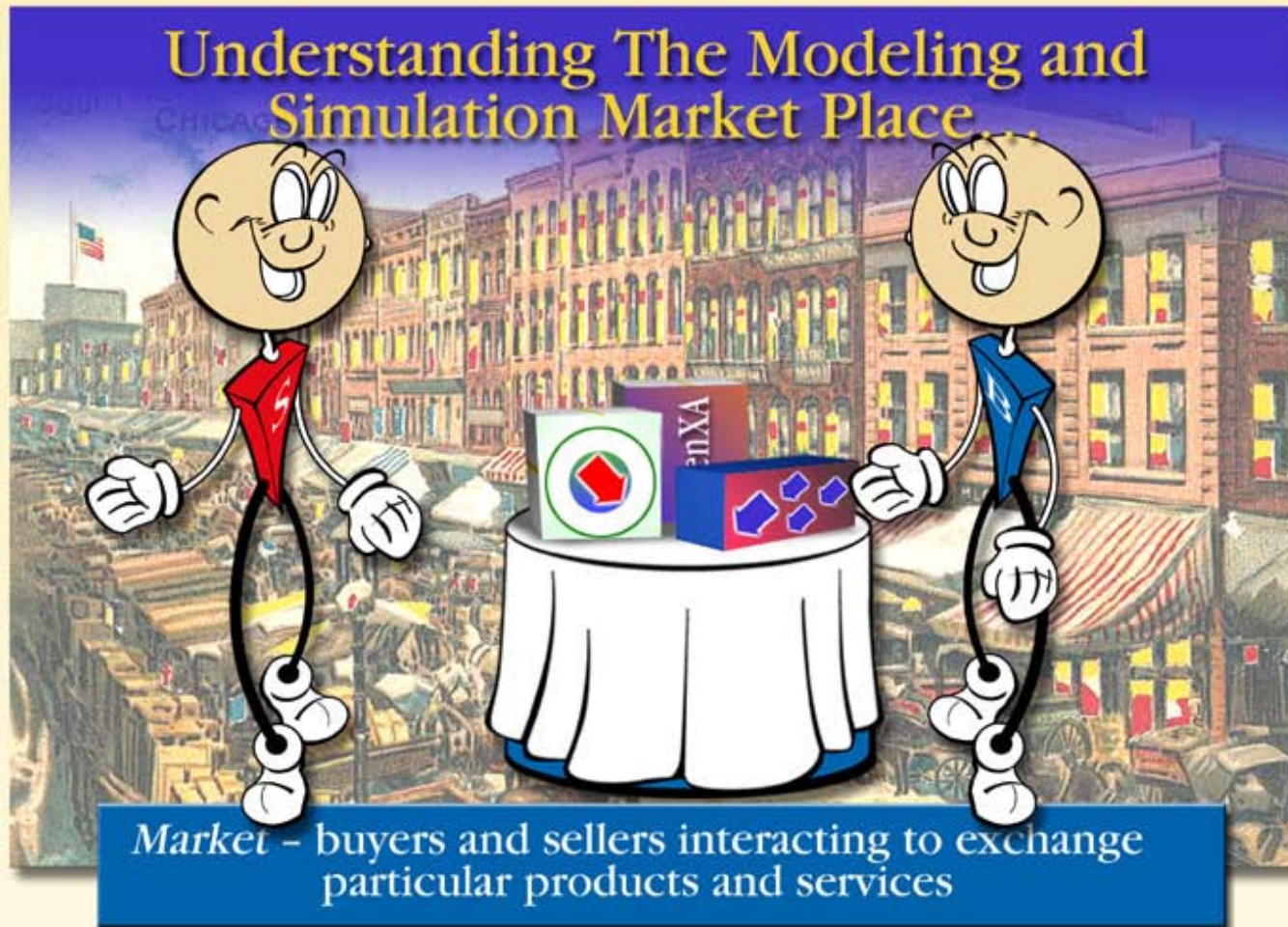
B. “SimSummit” Activities

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Collegial Initiative on: The Economics of Simulation



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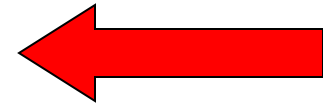
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1. Meeting Events

2. Collaborative Environment

III. Conclusion



Meeting Agenda

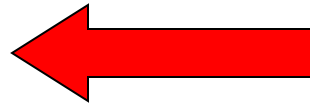
I. Introduction

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A. Comments

B. ACTIONS





***SimSummit* Membership**

COMMERCIAL

AEgis Technologies Group, Inc.

The Boeing Company – Phantom Works

Booz-Allen Hamilton (BAH)CACI, Inc.

CACI Inc.

CAE Professional Services

Computer Sciences Corporation (CSC)

Dynamic Animation Systems (DAS)

Northrop Grumman

RAM Laboratories, Inc.

Raytheon Company

Science Applications International Corporation (SAIC)

Teledyne Brown Engineering

UK SeBA Forum

SimSummit Membership

EDUCATION

Arizona Center for Integrative Modeling and Simulation (ACIMS)

Auburn Modeling & Simulation Group (AMSG)

Georgia Tech – Modeling and Simulation Research & Education Center
(MSREC)

John Hopkins University – Applied Physics Laboratory (JHU/APL)

McLeod Institute of Simulation Sciences (MISS)

Old Dominion – Virginia Modeling, Analysis and Simulation Center (VMASC)

University of Alabama in Huntsville – Center for Modeling, Simulation and
Analysis (UAH CMSA)

University of Central Florida – Institute for Simulation and Training (IST)

***SimSummit* Membership**

PROFESSIONAL/INDUSTRIAL SOCIETIES

ACM Special Interest Group on Simulation (SIGSIM)

Alabama Modeling and Simulation Council (AMSC)

Liophant Simulation

McLeod Modeling and Simulation Network (M&SNet)

National Center for Simulation (NCS)

National Modeling Analysis Simulation and Training Coalition (NMASTC)

National Training Systems Association (NTSA)

New England Modeling and Simulation consortium (NEMSC)

Simulation Interoperability Standards Organization (SISO)

The Society for Modeling and Simulation International (SCS)

***SimSummit* Membership**

GOVERNMENT

DND Future Forces Synthetic Environment (FFSE)

DND Synthetic Environment Coordination Office (SECO)

Defence & Science Technology Laboratories Synthetic Environment Efforts

National Aeronautics & Space Administration (NASA)

NATO Modelling & Simulation Group (NATO-MSG)

National Institute of Standards & Technology (NIST)

UK Directorate of Analysis, Experimentation and Simulation (DAES)

U.S. Air Force Agency for Modeling and Simulation (AFAMS)

U.S. Army / Battle Command, Simulation & Experimentation Directorate

U.S. Coast Guard (USCG)

U.S. DoD / Modeling and Simulation Coordination Office (M&SCO)

U.S. Marine Corps Technology Division

U.S. Navy / Navy Modeling and Simulation Office (NMSO)