

## Agenda for Research & Education Summit TUESDAY, July 12, 2011

Note: all programs take place in ME Auditorium unless otherwise noted.

Time	Speaker	Program—Process
0730-0815	<b>REGISTRATION / Refreshments Available</b>	
0815-0820	VADM, Dan Oliver, USN (Ret) President NPS	Welcome Message from NPS Senior Leadership
0820-0830	CDR Sullivan, Ph.D, USN, Director of MOVES	MOVES Overview, Research & Education Summit Objectives
<b>1345-1430</b>	RADM Wendi B. Carpenter	Keynote Address
0920 -0930	<b>BREAK &amp; Networking</b>	
<b>Session 1: 0930-1100, Human Social Culture Behavior Modeling. Moderator: Curtis Blais</b>		
0930-0950	Dr. Karen Guttieri	Recognizing Patterns of Anomie that Set the Conditions for Insurgency
0950-1000	MAJ Don Herod, USMC	The Application of MTWS in the Simulation of Non-Kinetic Environments
1000-1020	CAPT Ricky Brown, USA	Data Validation Best Practices for Irregular Warfare Modeling
1020-1040	Dr. Mike Jaye	Validation of an Agent-Based Civil Violence Model
1040-1100	Dr. Edward Rockower and Dr. Sean Everton	Social Network Analysis (SNA) for Modeling and Tuning an Online Social Media, Combating Terrorism Community
1100-1115	<b>BREAK &amp; Networking</b>	
<b>Session 2: 1115-1215, HSCB Panel, Moderator: Curtis Blais</b>		
1115-1215	Panelists: Dr. Karen Guttieri (NPS), Dr. Jeff Appleget (NPS), MAJ Francisco Baez (TRAC Monterey)	Human Social Culture Behavior (HSCB) Modeling Panel
1215-1345	<b>LUNCH</b>	
<b>Session 3: 1345 – 1500, Visual Perception. Moderator: Dr. Chris Darken</b>		
<b>0830-0850</b>	Dr. Chris Darken	Practical Models of Human Visual Perception for Simulation
<b>0850-0920</b>	Dr. Ji Hyun Yang	Understanding Visual Attention on Overland Navigation and Target Acquisition
1435-1455	LTC Jonathan Alt, USA and Dr. Michael McCauley	Perceptual Learning for the Detection of IEDs
1455-1510	<b>BREAK &amp; Networking</b>	
<b>Session 4: 1510 – 1620, NMSO Projects &amp; NWDC, Moderator: Dr. Ji Hyun Yang</b>		
1510-1530	Curtis Blais	Combat Modeling Projects
1530-1550	Dr. Wolfgang Baer	Improved Terrain Generation From UAV Sensors
1550-1610	Dr. Quinn Kennedy	Utilization of Psychophysiological Measurements to Improve Training Simulation in Aviation Tasks
1610-1620	Darrel Morben (NWDC)	Navy Continuous Training Environment (NCTE) Current Overview and Future Opportunities
1620-1630	<b>BREAK &amp; Networking</b>	
1630-1830	<b>Reception – Herrmann Hall/Quarterdeck</b>	

## Agenda for Research & Education Summit WEDNESDAY, July 13, 2011

Note: all programs take place in ME Auditorium unless otherwise noted.

Time	Speaker	Program—Process
0730-0815	<b>REGISTRATION / Refreshments Available</b>	
<b>Session 5: 0815-0945, Agents and Combat Modeling. Moderator: Dr. Imre Balogh</b>		
0815-0840	Dr. Imre Balogh	Human Vision Modeling in Combat Simulations
0840-0855	LT Shawn Pollock, USN	Representing Trust in Cognitive Social Simulations
0855-0910	1 <sup>st</sup> LT Ozkan Ozcan, Turkish Air Force	Balancing Exploration Ratio in Reinforcement Learning
0910-0930	MAJ Ahmed (Ali) Al Rowaei, RBAF	Combat Simulation Case Study: Time Advance Mechanism Comparison Analyses
0930-0945	LCDR Daniel C. McKaughan, USN	An Examination and Analysis of Potential Population Tools for Use in the Cultural Geography Model
0945-1000	<b>BREAK &amp; Networking</b>	
<b>Session 6: 1000-1110, Human Factors and Training Systems. Moderator: Dr. Amela Sadagic</b>		
1000-1020	Dr. Bill Becker and CDR Duane Davis, Ph.D, USN	Live-Fire Marksmanship Training with Autonomous Robots
1020-1030	LCDR Georgio Varelas, Hellenic Navy	Training Effectiveness Evaluation of Modern Navies Fire Fighting Simulators
1030-1100	Dr. Amela Sadagic	“Are We Ready for Automated Training Management Systems on Physical Ranges?” and “Tangible Virtual Humans: Meet Your New Role Players”
1100-1110	CAPT Gabe Diaz, USMC	Identifying the Method for Effective Combat Marksmanship Training utilizing the Marine Corps Indoor Simulation Marksmanship Trainer (ISMT)
1110-1120	<b>BREAK &amp; Networking</b>	
<b>Session 7: 1120-1220, Panel. Moderator: Wendy Walsh</b>		
	Panelists: Andy Friedman (NORTHCOM- NICHE-PRS), Curt Blais (MOVES), Zach Heath (Sandia), Jim Buscemi (GBL Systems Corporation), Dr. Ted Boehler (Coastline Community College)	Bridging DOD, DHS & Private Sector Modeling, Simulation & Virtual Environment Capabilities for Homeland Security
1220-1345	<b>LUNCH</b>	
1345-1430	Dr. Kristy S. Murray, ADL Initiative	Keynote Address
1430-1445	<b>BREAK &amp; Networking</b>	
<b>Session 8: 1445-1630, Education and MOVES Curriculum. Moderator: CDR Duane Davis, Ph.D</b>		
1445-1500	CDR Duane Davis, Ph.D	MOVES Curriculum
1500-1520	Bill Paisley, NMSO	The Navy’s Current View of the Importance of M&S, and the resulting implications for M&S Education
1520-1550	CDR Joe Sullivan, Ph.D, Paul Chatelier, Dr. Michael McCauley and Dr. Quinn Kennedy	Medical M&S Education
1550-1610	Fred Hartman	The M&S National Enterprise Steering Group
1610-1630	Dr. Don Brutzman and Dr. Mark Pullen	Networked Virtual Environments (NVE) Distance Learning Using Web3D Technologies and Open Standards
1630-1830	<b>DEMO Night – WA 275/285, WA 211, WA 212 A/B, WA 267. Refreshments Available</b>	

## Agenda for Research & Education Summit THURSDAY, July 14, 2011

Note: all programs take place in ME Auditorium unless otherwise noted.

Time	Speaker	Program—Process
0730-0815	<b>REGISTRATION / Refreshments Available</b>	
<b>Session 9: 0815-0935, Game Based Training Systems. Moderator: Perry McDowell</b>		
0815-0835	Erik Johnson	Delta3D Progress
0835-0845	MAJ Jason Caldwell, USA & MAJ Mike Stinchfield, USA	The Effects of Training Frequency and Threat Saliency on Change Detection Performance in a Virtual Environment
0845-0905	Perry McDowell	Delta3D Lead Projects: A Counter-Piracy Game for PCO's and a Visualization Tool for Weapon' Analysts
0905-0915	LCDR Claudio Coreixas de Moraes, Brazilian Navy	Design of a Ship Handling Game-based Simulator Using Delta3D Open Source Game Engine
0915-0935	Jeff Houde & Perry McDowell	Delta3D Director Demo
0935-0945	<b>BREAK &amp; Networking</b>	
<b>Session 10: 0945-1015, Presentations from MOVES Current Students. Moderator: MAJ Jason Caldwell, USA</b>		
0945-0955	CAPT Steve Cleary, USMC	Live Virtual Constructive Integration
0955-1005	MAJ Don Herod, USMC	Ascertaining Validity in the Abstract Realm of Constructive Simulation Models: An Analysis of the MAGTF Tactical Warfare Simulation (MTWS)
1005-1015	LT Tommy Getty, USN	A Comparison of Legacy Marksmanship Training Vs. Simulation-Based Marksmanship Training with the Use of Indoor Simulation Marksmanship Trainer (ISMT)
<b>Session 11: 1015-1115, Update from MOVES Alumni. Moderator: MAJ Jason Caldwell, USA</b>		
1015-1030	MAJ Chris Fitzpatrick, USMC	Supporting Operations Research in the USMC using M&S
1030-1045	MAJ Eric Whittington, USMC	How MOVES Graduates Support USMC Training M&S
1045-1100	LTC Glenn Hodges, USA	MOVES: An Alumnus Perspective
1100-1115	LTC Joe Nolan, USA	The Role of FA57
1115-1125	<b>BREAK &amp; Networking</b>	
<b>Session 12: 1125-1205, Web-based and Social Networking Technologies. Moderator: Dr. Don Brutzman</b>		
1125-1145	Dr. Don Brutzman & Dr. Arnie Buss	Massive Multiplayer Online Wargame Leveraging the Internet (MMOWGLI): Design, Execution and Results
1145-1205	Loren Peitso	Bringing Physically Based Simulation into the Cloud
1205-1215	CDR Joe Sullivan, Ph.D	Closing remarks