



**National Modeling & Simulation Coalition  
2017 National Meeting**

***Modeling, Simulation and Visualization  
Revolutionizing Analytics, Manufacturing, Healthcare, and Product Design  
(And How to Train the Future MS&V Workforce)***

**Monday, 25 September**

10:00 – 12:00 Registration  
*The Henry* (A Marriott Autograph Collection hotel), Dearborn, MI

*Lunch on your own*

12:30 – 6:00 Combined Tour (Bus departs *The Henry* at 12:30 and returns by 6:00)

**Greenfield Village**

(The largest indoor-outdoor museum complex in the United States - an immersion into the history of the industrial revolution. Henry Ford Museum, adjacent to the Museum, not a part of this tour.)  
and

**Ford immersive Vehicle Environment Lab (FiVE Lab)**

Host: **Elizabeth Baron**, *Inventor, FiVE Lab, Ford Motor Company*

(Virtual reality lab that enables designers and engineers globally to work together on vehicles in real time)

6:00 – 8:00 Registration & Informal Gathering/Networking - *The Henry*

**Tuesday, 26 September**

07:00 – 8:00 Registration & Continental Breakfast

08:00 – 08:05 Call to Order  
**Rick Darter**, *CEO & President, Rave Computer, NM&SC Policy Committee member and your local host for the meeting.*

08:05 – 08:15 Welcome  
**RADM James Robb, USN (Ret)**, *President, National Training and Simulation Association*

08:15 – 08:30 NM&SC Opening Remarks, NM&SC Overview, & Business Meeting  
**Richard J. Severinghaus**, *Chair, Policy Committee, NM&SC, CEO & Director, CRTN Solutions, LLC*

08:30 – 09:15 Keynote Address – **Kevin Williams**, *Enterprise Account Executive*, & **Bill Veenhuis**, *Senior Solutions Architect*. Both NVIDIA Experts in Deep Learning and Artificial Intelligence



***See your life's work realized with Artificial Intelligence (AI)***

Smart manufacturing; Preventing disease; Building smart cities; Revolutionizing analytics; Robotics; Self-driving. These are just a few things happening today with AI and, specifically, deep learning. Already, organizations are using deep learning to transform “moon-shots” into real results.

09:15 – 09:45 Break / Networking

09:45 – 11:15 Panel: A Focus on Healthcare Simulation and Modeling  
“MS&V Applications in Healthcare Training and Clinical Care”

Moderator: ***Pamela J. Boyers, Ph.D.***, Associate Vice Chancellor for Interprofessional & Experiential Learning (iEXCEL), & Asst. Professor, Department of Surgery, Univ. of Nebraska Medical Center

Panelists:

***James Cooke, MD***, Executive Director, Clinical Simulation Center, & Assistant Professor, Departments of Family Medicine and Learning Health Sciences, Univ. of Michigan

***Bill Glass, MS***, Director, Visualization & Technology, iEXCEL  
Univ. of Nebraska Medical Center

***Bill Schmidt***, Sales Director, Visualization Advocate, AVI-SPL

***Marjorie Zielke, Ph.D.***, Professor in Practice of Arts & Technology, and Director, Center for Modeling and Simulation, Univ. of Texas, Dallas

11:15 – 12:00 Keynote - ***Mr. Greg Melling***, 3D Visualization Expert & North American Director, Mackevision, Inc.  
"Digital Product Experience from Design to Marketing"

12:00 – 1:15 Lunch Break

1:15 – 2:45 Panel: MS&V Workforce Development - a University & Technical Training Perspective.  
“M&S-focused curricula and credentialing programs supporting Industry Needs”

Moderator: ***Richard J. Severinghaus, NM&SC***

Panelists:

***Amy Cell***, Chief Matchmaker, Amy Cell Talent, LLC; Univ. of Michigan, Ross School of Business

***Virinder K. Moudgil, Ph.D.***, President & CEO, Lawrence Technological University  
Technical training and certification programs serving manufacturing industries

***Brian Payne, Ph.D.***, Vice Provost, Academic Affairs, Old Dominion University  
Director, HRCyber, a NIST-funded project to adapt cyber curricula to better serve Industry needs



*Academic-Industry Collaboration for Workforce Development*

**Jeff Segall**, Founder & CEO, inFlow Interactive, LLC  
*Embedding Data Analytics within educational curricula & instructional designs*

- 2:45 – 3:15 Break / Networking
- 3:15 – 3:45 NM&SC - Forging Ahead - Plans and Activities
- A. *2018 National Meeting - Healthcare MS&V in the 21<sup>st</sup> Century*  
**Pamela Boyers, Ph.D.**, NM&SC Policy Committee & 2018 Meeting Chair
- B. *Congressional M&S Caucus support*  
**Rick Severinghaus**, Chair, NM&SC Policy Committee
- 3:45 – 4:15 A 30-minute period to address the National M&S Agenda: Congressional declaration of M&S as a National Critical Technology (House Resolution 487), in two parts:
- 3:45 – 4:00 Briefing:  
Research Workshop sponsored by NM&SC, NSF, NASA, NTSA and AFOSR:  
"Overview: Research Challenges in M&S for Engineering Complex Systems".  
**Randall Garrett, Ph.D.**, Senior Scientist, SimIS, Inc.
- 4:00 – 4:15 Briefing:  
"North American Industrial Classification System and MS&V: Making the case for recognizing M&S categories within the NAICS codes."  
**Eric Weisel, Ph.D.**, Director of Applied Research, Old Dominion University, and Executive Director (acting), Virginia Modeling, Analysis, and Simulation Center (VMASC)
- 4:15 – 4:30 Overview of Michigan MSV&I Activities  
**Rick Darter**, Policy Committee, NM&SC, and local meeting host
- 4:30 – 4:45 Closing Remarks  
**Rick Severinghaus**, Chair, NM&SC Policy Committee  
**RADM James Robb**, President, National Training and Simulation Association
- 5:15 – 7:00 NM&SC Reception, The Henry