



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

***“Modeling, Simulation & Visualization:
Importance in Manufacturing & Healthcare”***

Monday, 25 September

- 10:00 – 12:00 Registration
The Henry (A Marriott Autograph Collection hotel), Dearborn, MI
- 12:00 – 1:00 Lunch break (on your own)
- 1:00 – 4:00 Tour: Henry Ford Museum of American Innovation and Greenfield Village, Dearborn, MI
(The largest indoor-outdoor museum complex in the United States - an immersion into the history of the industrial revolution)
- 4:30 – 5:30 Tour: Ford Immersive Visualization Environment Lab (FiVE Lab) Tour
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 - *The Henry*

Tuesday, 26 September

- 07:00 – 8:00 Registration & Continental Breakfast - *The Henry*
- 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'd), 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 – Speaker TBD
Advances in Manufacturing: Modeling, Simulation, & Visualization
- 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 – 2:15 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:

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 Collaborations for Workforce Development

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

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

2:15 – 2:45 NM&SC - Forging Ahead - Plans and Activities

A. *2018 National Meeting - Healthcare MS&V in the 21st Century*

Pamela Boyers, Ph.D., NM&SC Policy Committee and 2018 Meeting Chair

B. *Congressional M&S Caucus support*

Rick Severinghaus, Chair, NM&SC Policy Committee

2:45 – 3:15 Break / Networking



- 3:15 – 3:45 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:
- 3:15 – 3:30 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.
- 3:30 – 3:45 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)
- 3:45 – 4:00 Closing Remarks
RADM James Robb, President, National Training and Simulation Association
- 4:00 – 6:00 NM&SC Reception, *The Henry*
Rick Severinghaus, Chair, NM&SC Policy Committee
Rick Darter, Policy Committee, NM&SC, and local meeting host

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