

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26,2018

Monday _____ April 23

1300 – 1700 Exhibitor Move-In – Norfolk Ballroom

1500 – 1700 Registration – Main Lobby – Norfolk Ballroom

Tuesday _____ April 24

0700 – 1730 Registration – Main Lobby – Norfolk Ballroom

0730 – 0830 Continental Breakfast – Norfolk Ballroom Lobby

0830 – 0840 **MODSIM World 2018 Welcome and Opening Remarks – Norfolk Ballroom**
Dr. Benjamin Bell, Eduworks Corporation, MODSIM World 2018 Conference Chair
RADM James Robb, USN (Ret), President, National Training and Simulation Association (NTSA)

0840 – 0845 **Introduction of Industry Keynote Speaker – Norfolk Ballroom**
Dr. Benjamin Bell, Eduworks Corporation, MODSIM World 2018 Conference Chair

0845 – 0930 **Industry Keynote Address – Norfolk Ballroom**
“Learning Engineering: The Missing Discipline”
Dr. Robby Robson, CEO, Eduworks Corporation and Vice Chair of IEEE Learning Technology Standards Committee

0930 – 1000 **Government Speaker Address – Norfolk Ballroom**
Rep Stephanie Murphy, (FL-07) (Invited)

0930 – 1830 **Exhibit Hall and Innovation Corner Hours– Norfolk Ballroom**

Innovation Corner: Virtual and Mixed Reality Showcase at MODSIM World 2018

In conjunction with the Innovation Panel @ MODSIM, the Innovation Corner is dedicated to demonstrating technologies that are pushing the envelope. We're packing VR, Haptics and Genetic Engineering into the Innovation Corner for 2018. Stop by, check out the demos and chat with Innovation Panel speakers at this unique event.

Demonstrations:

- **NIH MERRTT and FVCT Haptics Demonstration:** JANUS Research
- **CRISPR Gene Editing Demo:** Plas.md
- **HoloJOC HoloLens Joint Operations Center:** Engineering and Computer Simulations

1000 – 1030 **Networking Break and Dedicated Exhibit Time – Norfolk Ballroom**

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26,2018

Tuesday (continued)

April 24

1030 – 1200

Special Event – Ballroom Two

“The Simulation Century” – The Leap from Big Data to Immersive Intelligence

Our sixth annual session will address the growing issue of managing the human/ machine interface as we hurtle towards the Singularity. We will continue our discussion of how to achieve fluency with smarter balance between humans and machines to optimize outcomes. The Simulation Century Panel presentations this year will focus on technologies that immerse us more deeply in digital simulations.

Moderator: *Richard Boyd*, CEO, Tanjo, Inc.

Panel Members:

- *Mr. Richard Boyd*, CEO Tanjo, “Synthetic Populations”
- *David Smith*, CEO Vision , “The Future of VR/AR”:
- *Stephanie Trunzo*, VP, Globant, “The Enterprise Digital Journey”:
- *Jason Jerald*, Co-Founder, NextGen Interactions, “Prototyping Technologies using Today’s VR”
- *Dr. Robert Furberg*, Research Health Informaticist, RTI, “Instrumenting our Way to better Health”

1200-1330

Lunch and Dedicated Exhibit Time – Norfolk Ballroom

1330 – 1500

Paper Session I:

ANALYTICS AND DECISION-MAKING TRACK – (located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

ANALYTICS AND DECISION-MAKING TRACK – (located on the fourth floor)

1330 – 1500 Panel: Big Data

TRAINING AND EDUCATION TRACK – (located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

SCIENCE AND ENGINEERING TRACK – (located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

VISUALIZATION AND GAMIFICATION TRACK – (located on the fourth floor)

1330 – 1500

1530 - 1700

1500 – 1530

Networking Break and Dedicated Exhibit Time – Norfolk Ballroom

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26, 2018

Tuesday (continued)

April 24

1530 – 1700 Paper Session II:

ANALYTICS AND DECISION-MAKING TRACK – (located on the fourth floor)

1530-1600

1600-1630

1630-1700

SCIENCE AND ENGINEERING TRACK –) (located on the fourth floor)

1530 – 1600

1600 – 1630

1630 – 1700

TRAINING AND EDUCATION TRACK – (located on the second floor)

1530 – 1600

1600 – 1630

1630 – 1700

VISUALIZATION AND GAMIFICATION TRACK – (located on the second floor)

1530 – 1600

1600 – 1630

1630 – 1700

1715 – 1900

Attendee Onsite Networking Event – Norfolk Ballroom

Welcome Remarks: Dr. Benjamin Bell and Event Sponsor, VMASC Industry Association

Wednesday

April 25

0700 – 1730

Registration – Main Lobby – Norfolk Ballroom

0730 – 0830

Continental Breakfast – Norfolk Ballroom

0830 – 0840

MODSIM World 2018 Day Two Opening Remarks – Norfolk Ballroom

Matt Spruill, Chairman, Virginia Modeling and Simulation Partnership (VMSP)

0840 – 0845

Introduction of Senior Leader Panel – Norfolk Ballroom

Dr. Benjamin Bell, Eduworks Corporation, MODSIM World 2018 Conference Chair

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26, 2018

Wednesday (continued)

April 25

0845 – 1000 Special Event – Norfolk Ballroom

Senior Leader Panel: Executing a Digital Strategy

Senior Leaders from Government and Industry will share their insights on successfully executing a digital strategy, which includes the integration of M&S into an organization's core value chain. Panel will discuss the critical elements that make up a digital strategy. Following their comments, attendees will have the opportunity to ask questions and gain a better understanding of the issues facing these leaders and the issues that M&S technology transformation can potentially address.

Moderator: *RADM James Robb, USN (Ret)*, President, NTSA

Panel Members:

- **Pekka Sivonen**, *Finnish Funding Agency for Innovation (invited)*
- **Brigadier General Henrik Sommer**, *Assistant Chief of Staff Capability, Engineering and Innovation at Headquarters Supreme Allied Commander Transformation*
- **Margaret Palmieri** - *Director, U.S. Navy Digital Warfare Office*
- **Patrick Lincoln**, *Computer Science Laboratory, SRI International*

0930 – 1530 Exhibit Hall and Innovation Corner Hours– Norfolk Ballroom

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Demonstrations:

- **VR Haptics Demonstration:** JANUS Research
- **CRISPR Gene Editing Demo:** Plas.md
- **HoloJOC HoloLens Joint Operations Center:** Engineering and Computer Simulations

1000 – 1030 Networking Break and Dedicated Exhibit Time – Norfolk Ballroom

- VIP Technology Showcase

1030 – 1115 Government Keynote Speaker – Norfolk Ballroom

1115 – 1200 Defense Keynote Speaker – Norfolk Ballroom

BG Mark Odom, *Director, Concept Development and Learning Directorate, Army Capabilities Integration Center, U.S. Army TRADOC*

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26,2018

Wednesday (continued) _____ April 25

1200 – 1330 Lunch and Exhibit Time – Norfolk Ballroom

1300 – 1330 Special Event – “M&S Challenge Competition Presentation” – Norfolk Ballroom

The M&S Challenge Competition is a unique event where talented individual use the power of M&S to solve problems important to their community, government, business or industry sector. Developers, analysts, and subject matter experts participate in this competition and demonstrate the power of M&S. The four teams selected for the finals will present their projects and answer questions from the judges. Live audience voting will be included in the scores for selecting the overall best M&S solution. All conference attendees are encouraged to attend this event and vote.

1330 – 1500 Paper Session III:

ANALYTICS AND DECISION-MAKING TRACK – (located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

SCIENCE AND ENGINEERING TRACK –(located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

TRAINING AND EDUCATION TRACK – (located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

VISUALIZATION AND GAMIFICATION TRACK –(located on the fourth floor)

1330 – 1400

1400 – 1430

1430 – 1500

1500– 1530 Networking Break and Dedicated Exhibit Time – Norfolk Ballroom

1530 – 1700 Paper Session IV:

ANALYTICS AND DECISION-MAKING TRACK – (located on the fourth floor)

1530 – 1600

1600 – 1630

1630 – 1700

SCIENCE AND ENGINEERING TRACK – (located on the fourth floor)

1530 – 1600

1600 – 1630

1630 – 1700

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26, 2018

Wednesday (continued) _____ April 25

TRAINING AND EDUCATION TRACK – (located on the fourth floor)

1530 – 1600

1600 – 1630

1630 – 1700

VISUALIZATION AND GAMIFICATION TRACK – (located on the fourth floor)

1530 – 1600

1600 – 1630

1630 – 1700

1730 – 1930

Offsite Networking Event

The Harbor Club at Waterside District

Come network with other MODSIM attendees! The event will be held on the second floor of the Harbor Club, with an open, lively atmosphere and floor to ceiling windows. You can also choose to spend your evening outside on the terrace and enjoy unmatched views of the Elizabeth River while enjoying warm fire pits!

- Pre-registration and pre-payment are required for this event

Thursday _____ April 26

0730 – 1530 Registration - Main Lobby – Norfolk Ballroom Lobby

0730 – 0830 Continental Breakfast – Norfolk Ballroom Lobby

0830 – 1000 Paper Session V:

ANALYTICS AND DECISION-MAKING TRACK: (located on the fourth floor)

0830 – 0900

0900 – 0930

0930 – 1000

SCIENCE AND ENGINEERING TRACK: (located on the fourth floor)

0830 – 0900

0900 – 0930

0930 – 1000

TRAINING AND EDUCATION TRACK: (located on the fourth floor)

0830 – 0900

0900 – 0930

0930 – 1000

VISUALIZATION AND GAMIFICATION TRACK: (located on the fourth floor)

0830 – 0900

0900 – 0930

0930 – 1000

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26, 2018

Thursday (continued)

April 26

1000 - 1030 Break and Networking (located on fourth floor)

1000 – 1200 STEM Event - Norfolk Ballroom

1030 – 1200 Paper Session VI:

ANALYTICS AND DECISION-MAKING TRACK: (located on the fourth floor)

1030 – 1100

1100 – 1130

1130 - 1200

SCIENCE AND ENGINEERING TRACK: (located on the fourth floor)

1030 – 1100

1100 – 1130

1130 – 1200

TRAINING AND EDUCATION TRACK: (located on the fourth floor)

1030 – 1100

1100 – 1130

1130 – 1200

VISUALIZATION AND GAMIFICATION TRACK: (located on the fourth floor)

1030 – 1100

1100 – 1130

1130 – 1200

1200 – 1330 Lunch and networking break – Norfolk Ballroom

1330– 1500 Defense and Homeland Security Panel – Norfolk Ballroom

Use and Advancement of M&S Technologies for Defense and Security

The moderated panel discussion will highlight the innovative use of technology and data to facilitate:

- Complex decision making in areas such as cyber and energy security, spectrum management, acquisition and interoperability
- Advanced training and education, including blended and distributed learning

The discussion will explore advances in big data, artificial intelligence, cognitive computing, and the internet of things.

Moderator: LCDR Chris Davidson, Royal Australian Navy

Panel Members:

- **Dr. Van Brewer**, External R&D Principal, Advanced Distributed Learning (ADL) Initiative
- **Dr. Syed Mohammad**, Director, HSARPA Modeling and Simulation
- **Dr. David Fautua**, Chief, Individual Training & Learning, Deployable Training Division, Joint Staff J7, Training (Invited)
- **Brian Vogt (LTC, USA)**, NATO Allied Command Transformation (Invited)

MODSIM World Conference & Expo 2018

Norfolk Marriott Waterfront / Norfolk, VA

April 24-26,2018

Thursday (continued)

April 26

1500 - 1630

Facilitated Brainstorming

Simulation for the Common Man: How do We Make M&S Accessible?

Given the power of insight and learning that simulation provides, you might question why simulation is not more widely used. This facilitated interactive brainstorming session intends to discuss this question and others to try and understand how our M&S community can reach new users and decision makers. Part of our goal is to try and understand what our equivalent to the "got milk?" slogan would be. All attendees welcome.

1600 – 1700

External Event: National Modeling and Simulation Coalition (NMSC) Workshop (TBD)

The National Modeling & Simulation Coalition (NMSC) is an unincorporated, voluntary, nonprofit coalition sponsored by and composed of government, industrial and educational organizations and professional societies having a common interest in promoting and leveraging M&S to better the human condition and to strengthen the National well-being. The mission of the NMSC is to create a unified national community of individuals and organizations around the M&S discipline and professional practice and to be the principal advocate for M&S. This event is a meeting of the NMSC. Please join us even if you are not already a member!