

**National Defense Industrial Association
Systems Engineering Division
Modeling and Simulation Committee**

**Prepared for the
NDIA Systems Engineering Division Meeting
20 April 2016**

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- **The mission of the NDIA SE M&S Committee is to advance the understanding and use of modeling and simulation in the practice of systems engineering**
- **Presentations from the past seven years of committee meetings are posted on the committee's web site**
- **2016 meetings (scheduled for the day before the NDIA SE Division meeting)**
 - **16 February (Applied Research Associates – Ballston)**
 - **19 April (GTRI – Rosslyn)**
 - **21 June (location TBD)**
 - **16 August (location TBD)**

<u>Agenda</u>			
8:30	0:15	Welcome, agenda review, self-introductions	
8:45	0:05	Committee overview, meeting schedule	Jeff Bergenthal (JHU/APL)
8:50	0:45	Defense M&S Coordination Office 2016 Update DoD M&S Reference Architecture (DMSRA) Overview	Leigh Yu (DMSCO) Brian Miller (CERDEC)
9:35	0:45	Navy Modeling & Simulation Office	John Moore (NMSO)
10:20	0:15	Break	
10:35	0:45	Marine Corps M&S	Brett Telford (MCMMSO)
11:20	1:00	Determining M&S Credibility: What The Accreditor Needs To Know	Dr. James Elele (NAVAIR)
12:20	1:00	Lunch	
13:20	0:45	Model Based Systems Engineering – A Data-Centric Approach	Steve Topper (JHU/APL)
14:05	0:45	Implications of Cloud Computing for Models and Simulations	Amy Henninger (IDA)
14:50		Adjourn	

2016 Tasks

- Publish reports on study on essential elements of a Digital System Model (DSM), and on August 2015 DSM Workshop
- Conduct workshop on the Use of Digital Models for Competitive Down-Selection
- Provide continuing situational awareness for M&S Committee members (ongoing)
- Motivate submittal of abstracts to populate full-length M&S track at 2016 SE Conference

Schedule

- Final report on DSM Workshop – March 2016
- Final report on Essential Elements of a Digital System Model – April 2016
- Committee meetings in February, April, June, and August 2016
- M&S track in NDIA SE Conference – October 2016

Deliverables/Products

- Final report on Essential Elements of a Digital System Model
- Final report on DSM Workshop
- Committee meeting presentations posted on committee web site

Stakeholders/Alignment

- Task Liaison: Ms. Philomena Zimmerman, ODASD(SE)/EE
- Key Interfaces:
 - Simulation Interoperability Standards Organization (SISO) standards and Acquisition track
- Task Objective: Focused on M&S issues for engineering, of interest to ODASD(SE)/EE