

**CONFERENCE PRESENTATIONS**

Name	Title	Organization	Presentation Title/Topic/Role (panel)
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**Conference Chair**

Dr. Dennis Nagy	North American Consultant	NAFEMS	Welcome and Introduction to a Virtual Conference
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**Keynote Presenters**

Prof. J. Tinsley Oden	Associate Vice President for Research; Director, Institute for Computational Engineering & Sciences	University of Texas, Austin	<b>SIMULATION-BASED ENGINEERING: Where Do We Go From Here?</b>
David W. Trop	Deputy Chief Structural Engineer, 787 Program	Boeing	<b>Trends and Opportunities in Simulation in Aerospace</b>
Dr. Jim Wood	Senior Lecturer	University of Strathclyde	<b>A LIFETIME TEACHING FEA - from Chalk-face to Virtual Reality</b>

**Presenters**

Dr. Marc Halpern	Research Director, Product Innovation and Engineering	Gartner	<i>From CAE to Systems Simulation</i>
Dr. Roman Petryk	Center for Operational Research and Analysis	Defence Research and Development, Canada	<b>System of Systems Investment Planning</b>
Dr. William Oberkampf	Retired Distinguished Member, Technical Staff	Sandia National Laboratory	<b>How Do Verification, Validation and Uncertainty Quantification Contribute to Modeling and Simulation Credibility?</b>
Gene Allen	Nuclear Engineer	Naval Surface Warfare Center-Carderock	<b>Simulation-Supported Engineering in the US Navy</b>
Jim Rusk	VP of Product Development	Siemens PLM	<b>Simulation Trends and Customer Imperatives</b>
James Scapa	Founder and CEO	Altair Engineering	<b>The Next Decade - CAE in the Innovative Process</b>
Stephen Scampoli	Lead Product Manager	ANSYS	<b>TBA</b>
Rushad Mehta	CAE Systems (Dearborn)	Ford Motor Company	<b>Learning from the CAD2crash24 Grand Challenge</b>
Anthony Norton	Executive Director – Global Automotive	Altair Engineering	<b>Learning from the CAD2crash24 Grand Challenge</b>
Dr. Tony Abbey	President	FETraining	<i>Best Practices and Practical Tips for Dynamic Finite Element Analysis</i>
Dr. John Muskivitch	Adjunct Lecturer - Mechanical Engineering Department	Santa Clara University	<i>Best Practices and Practical Tips for Nonlinear Finite Element Analysis</i>
Fred Mendonca	Director, Turbomachinery	CD-adapco	<i>Best Practices and Practical Tips for CFD Meshing (NAFEMS Guidelines preview)</i>
Dr. Leonard Schwer	Founder and President	SE&CS	<b>What is Verification and Validation?</b>
Hubert Lobo	Founder and President	Datapoint Labs and Matereality LLC	<b>Understanding and Coping with Material Modeling Limitations in FEA</b>
Dr. Nam Purush	Principal Analysis Staff/Modeling and Simulation Technical Fellow	BAE Systems (US Combat Systems)	<b>Military Ground Vehicles Robust Durability Process</b>
Gagan Syal	Group Research and Advanced Engineering	DAIMLER AG	<b>A New Methodology to Describe a Continuous Product Validation Process</b>
Dr. Nawal Prinja	Director	AMEC Nuclear UK	<b>Getting SQEPed for the Nuclear Industry</b>
Dr. Bruce Engelmann	Vice President and Chief Technology Officer	Dassault Systemes/SIMULIA	<b>New Technologies and Industry Applications of Co-Simulation and Multiphysics</b>
Brad Holtz	Founder and CEO	CYON Research	<b>Changes in CAD/CAE: An Updated View of CAD/CAE Use</b>
Michelle Boucher	Research Analyst, Product Innovation and Engineering	Aberdeen Group	<b>Using Simulation to Make Better Decisions</b>
Kenneth Amann	Executive Consultant	CIMdata, Inc.	<b>The Growing Importance of Simulation and Analysis in Product Development</b>
Dr. Alexander Karl	RRC Lead Robust Design	Rolls-Royce Jet Engines	<i>Stochastics and Robust Design (Stochastics Working Group)</i>
Luis Del Rio Etayo	Simulation Manager	Ormazabal Corporate Technology	<b>Towards a New Paradigm to Unlock the Potential of Virtual Experimentation.</b>
Laura Michalske	Computer Aided Engineering Manager, Health Care	Procter and Gamble	<i>NAFEMS Simulation Data Management Working Group (SDMWG): SDM White Paper</i>
Randy Cigel		Boeing	<i>SDMWG: SDM Survey Results</i>

**SDM Session Panelists**

Dr. Keith Meintjes	Research Director - CAE	Collaborative Product Development Associates (CPDA)	<b>Moderator</b>
Malcolm Panthaki	Founder and CTO	Comet Solutions	<b>Co-moderator</b>
Laura Michalske, Randy Cigel	(see above)	(see above)	<b>Chairs of SDM WG and sub-groups</b>
Keith Hunten		Lockheed-Martin Aerospace	<b>Panelist</b>
Dr. Matthias Grau	Key Account Manager Shipbuilding	PROSTEP	<b>Panelist</b>
John Bloomberg		General Electric Aviation	<b>Panelist</b>

**NAFEMS 2010 VC - Day 1**

**Track 1 - Virtual Auditorium**

Time (EST)	Actual Time	Presenter's Name	Title	Activities/Notes	Length	Presentation ID	WEBCASTS
9	:30 :45						(Chair/Host)
	10:00 - 11:00	<b>Opening Plenary Session</b>					
10	:00	Dreisbach/Nagy	<b>NAFEMS Welcome and Conference Overview</b>		15	WC-1-1	<b>Plenary Session 1</b> 60 minutes (Nagy)
	:15	Prof. J. Tinsley Oden	<b>SIMULATION-BASED ENGINEERING: Where Do We Go From Here?</b>	Keynote 1	45	WC-1-2	
10	:30 :45					263157	
11	:00 :15	Platinum 1: Bruce Engelmann	<b>New Technologies and Industry Applications of Co-Simulation and Multiphysics</b>	Pres 1	30	WC-2-1	<b>2</b> 90 minutes (Hibbitt)
11	:30 :45	Gene Allen	<b>Simulation-Supported Engineering in the US Navy</b>	Pres 2	30	WC-2-2	
12	:00 :15	Platinum 2: Jim Scapa	<b>The Next Decade - CAE in the Innovative Process</b>	Pres 3	30	WC-2-3	
12	:30 :45		(time to visit exhibitors)	Break	30		
13	:00 :15	D. Nagy	<b>Acknowledgement of Sponsors/Exhibit Overview</b>		15	WC-3-1	<b>3</b> 60 minutes (Dreisbach)
	:30	David W. Trop	<b>Trends and Opportunities in Simulation in Aerospace</b>	Keynote 2	45	WC-3-2	
	14:00 - 15:30	<b>Verification, Validation, Qualification Focus Session</b>				90	
14	:00 :15	Len Schwer	<b>What is Verification and Validation?</b>	Pres 4	30	WC-4-1	<b>4</b> 90 minutes
	:30 :45	Bill Oberkampf	<b>How Do Verification, Validation and Uncertainty Quantification Contribute to Modeling and Simulation</b>	Pres 5	30	WC-4-2	
15	:00 :15	Dr. Nawal Prinja	<b>Getting SQEPed for the Nuclear Industry</b>	Pres 6	30	WC-4-3	
	:30		(time to visit exhibitors)	Break	15		
	16:00 - 18:00	<b>Industry Analysts Focus Session</b>					
16	:00 :15	Brad Holtz	<b>Changes in CAD/CAE: An Updated View of CAD/CAE Use</b>	Pres 7	30	WC-5-1	<b>5</b> 135 Minutes (Nagy)
	:30	Marc Halpern	<b>From CAE to Systems Simulation</b>	Pres 8	30	WC-5-2	
17	:00 :15	Kenneth Amann	<b>The Growing Importance of Simulation and Analysis in Product Development</b>	Pres 9	30	WC-5-3	
	:30 :45	Michelle Boucher	<b>Using Simulation to Make Better Decisions</b>	Pres 10	30	WC-5-4	
18	:00	Nagy	<b>Wrap-up of Day 1/Overview of Day 2</b>		15	WC-5-5	

**NAFEMS 2010 VC - Day 1**

**Track 2 - Scheduled Chat Sessions with Presenters**

Time (EST)	Title	Length	Session ID
9			
10			
11	Scheduled Chat Session w Keynote 1 (sponsor: SIEMENS-PLM)	30	C-1
12			
	Scheduled Chat Session with Pres 1,2,3	45	C-2
13			
14	Scheduled Chat Sessionw Keynote 2 (sponsor: Altair)	30	C-3
15			
16	Scheduled Chat Session with Pres 4,5,6	45	C-4
17			
18	Scheduled Chat Session with Industry Analysts (Sponsor: ANSYS)	30	C-5

**NAFEMS 2010 VC - Day 2**  
Track 1 - Virtual Auditorium

Time (EST)	Actual Time	Presenter's Name	Title	Activities/Notes	Length	Session ID	WEBCASTS	
9	:30 :45						(Chairs)	
10	:00	Platinum 2: 10:00 - 10:30	Jim Rusk	Simulation Trends and Customer Imperatives	Pres 11	30	WC-6-1	6 60 minutes
	:30	10:30 - 11:00	G. Syal	A New Methodology to Describe a Continuous Product Validation Process	Pres 12	30	WC-6-2	
11	:00 :15	11:00 - 12:30	Laura Michalske	Simulation Data Management (SDM) Focus Session: Report from NAFEMS SDM Working Group: White Paper	Pres 13	15	WC-7-1	7 90 minutes (Meintjes)
	:15	11:15 - 11:30	Randy Cigel	Report from NAFEMS SDM Working Group: Survey	Pres 14	15	WC-7-2	
12	:30 :45	11:30 - 12:30	Moderators: Panelists:	SDM Panel Discussion Keith Meintjes, Malcolm Panthaki Laura Michalske, Randy Cigel, John Bloomberg, Mattias Grau, Keith Hunten (including audience Q&A by chat: 15 min.)		60	WC-7-3	
	:30 :45	12:30 - 13:00	Hubert Lobo	Understanding and Coping with Material Modeling Limitations in FEA	Pres 15	30	WC-8-1	8 60 minutes
13	:00 :15	Platinum 4 13:00 - 13:30	Stephen Scampoli	TBA	Pres 16	30	WC-8-2	
	:30 :45	13:30 - 14:15	Dr. Jim Wood	A LIFETIME TEACHING FEA - from Chalk-face to Virtual Reality	Keynote 3	45	WC-9-1	9 60 minutes (Morris)
14	:15	14:15 - 14:30		Visit Exhibitors	BREAK	15		
	:30 :45	14:30 - 16:00		"Best Practices and Practical CAE Tips" Focus Session:				10 90 minutes
	:30	14:30 - 15:00	Tony Abbey	Practical Tips for Dynamic Finite Element Analysis	Pres 17	30	WC-10-1	
15	:00 :15	15:00 - 15:30	Fred Mendonca	Practical Tips for CFD Meshing (NAFEMS Guidelines preview)	Pres 18	30	WC-10-2	
	:00 :15	15:30 - 16:00	John Muskivitch	Practical Tips for Nonlinear Finite Element Analysis	Pres 19	30	WC-10-3	
16	:00 :15	16:00-16:30	Rushad Mehta (Ford), Anthony Norton (Altair)	Learning from the CAD2crash24 Grand Challenge	Pres 20	30	WC-11-1	11 60 minutes (Noor)
	:30 :45	16:30 - 17:00	Nam Purush	Military Ground Vehicles Robust Durability Process	Pres 21	30	WC-11-2	
17	:00 :15	17:00 - 17:30	Alexander Karl	Stochastics and Robust Design (Stochastics Working Group)	Pres 22	30	WC-12-1	12 90 minutes (Fortier)
	:30 :45	17:30 - 18:00	Luis Del Rio Etayo	Towards a New Paradigm to Unlock the Potential of Virtual Experimentation.	Pres 23	30	WC-12-2	
18	:00 :15	18:00 - 18:30	Roman Petryk	System of Systems Investment Planning	Pres 24	30	WC-12-3	
18	:30	18:30		END of CONFERENCE				

**NAFEMS 2010 VC - Day 2**  
Track 2 - Scheduled Chat Sessions with Presenters

Time	Title	Length	Session ID
10			
11	Scheduled Chat Session with Presenters 11, 12	30	C - 6
12			
13	Scheduled Chat Session with SDM Focus Session Participants (13, 14, Panel)	30	C-7
14	Scheduled Chat Session Keynote 3 (Sponsor: DS/Simulia)	15	C-8
15			
16	Scheduled Chat Session with Best Practices Focus Session Presenters (17, 18, 19)	30	C-9
17	Scheduled Chat Session with Presenters 20, 21	30	C-10
18			
19	Scheduled Session with Presenters 22, 23, 24	30	C-11