GLRC 2018 Conference Schedule

2018 Annual INCOSE
Great Lakes Regional Conference
SYSTEMS AT THE CROSSROADS
17 - 20 October 2018 | Indianapolis, Indiana

GLRC 2018
INCOSE

Wednesday, 17 October 2018

Time Block (Eastern Time)	Salon D	Atrium	Atrium
11:00 AM - 12:00 PM	**Light Lunch** in **Salon E**		
12:00 PM - 2:30 PM	**FREE TUTORIAL** **Trusted Models, Collaborative Learning, Accelerated Capability** V4 Institute William Schindel, Doug Koeneman, Gary Fleegle, and Sankaran Mahadevan *(Pre-Registered Participants Only)* *No registration fee.*		
2:30 PM - 3:00 PM	**Afternoon Break** in **Salon E**		
3:00 PM - 5:00 PM	**FREE TUTORIAL** *(cont.)*	**Registration** in **Atrium**	**Sponsor/Exhibitor Set-Up** in **Atrium**
5:00 - 6:00 PM			
6:00 PM - 7:30 PM	**Welcome Reception** in **Atrium**		
7:30 PM	**Informal Networking & Dinner on Your Own**		

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Time Block (Eastern Time)	Salon A/B/C	Salon D	Salon E
Thursday, 18 October 2018 - AM			
7:00 AM - 6:00 PM	**Registration** in **Atrium**		
7:00 AM - 5:00 PM	**Exhibits** in **Atrium**		
7:00 AM - 8:00 AM	**Networking Continental Breakfast** in **Atrium** with Sponsors/Exhibitors *Presented by Tom Sawyer Software*		
8:00 AM - 10:00 AM	**Day 1 Opening Plenary** in **Salon A/B/C** 8:00-8:10 - *Conference Welcome -* Conference Emcee, Michael Vinarcik 8:10-9:00 - Keynote Speaker - *Better Business through Systems Engineering* Philip S. Burkholder, President, Defense Programs for Rolls-Royce 9:05-9:55 - Keynote Speaker - *Engineering Patient Outcomes: Opportunities for systems thinking in developing more meaningful and robust therapeutic solutions in pharmaceutics* *Matt Clemente, Chief Technology Officer, Delivery, Devices & Connected Solutions at Eli Lilly and Company*		
10:00 AM - 10:30 AM	**Morning Networking Break** in **Atrium** with Sponsors/Exhibitors *Presented by Sysnovation*		
10:30 AM - 12:00 PM	**Session 1 - Effectiveness** 10:30-11:10 - *Top Ten ways engineers undermine their own success* *Sean McCoy* 11:15-11:55 - *Economic Benefits of Vertical Alignment* *Mat French*	**Panel 2 - Healthcare** *MBSE for Resilient Hospitals* *Moderator* *Jack Stein* *Panelists* Michael E. Pafford, Ajay Thukral, Steve Pappas, and TBA 10:30-11:00 - Position Statments 11:00-11:55 - Audience Discussions	**Session 3 - Technology Impacts** 10:30-11:10 - *A systems approach to understanding additive manufacturing's impact on the aerospace supply chain* *Bill Bihlman and C. Robert Kenley* 11:15-11:55 - *Using Cognitive Computing to Elevate Requirements Quality and Auto-Generate Test Cases* *Bob Parro, Stephen Denman and Kevin McHugh*

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Thursday, 18 October 2018 - PM

Time Block (Eastern Time)	Salon A/B/C	Salon D	Salon E
12:00 PM - 12:55 PM	**Networking Lunch** in **Freedom Hall** with Sponsors/Exhibitors		
1:00 PM - 2:30 PM	**Session 4 - Energy Systems** 1:00-1:40 - *Lean and Agile Systems Engineering of a Next Generation Energy Market System* *John Fitch and Scott Turner* 1:45-2:25 - *Common Recovery System for Electric Utilities to Decrease the Duration of Interruption to Critical Infrastructure using MBSE* *Casey Shull, C. Robert Kenley and J. Eric Dietz*	**Session 5 - Models in Healthcare** 1:00-1:40 - *A Multi-Domain, Patient-Specific Model of an Insulin Pump* *Marc Horner* 1:45-2:25 - *SE Driven Modeling and Simulation of a Mid-Sized Emergency Department Operation* *Mohamed Elshal, Rapeepan Promyoo and Hazim El-Mounayri*	**Session 6 - SE Education** 1:00-1:40 - *Systems Engineering and Community Engagement: EPICS and INCOSE Opportunities* *Andrew Pierce, and William Oakes* 1:45-2:25 - *Systems Engineering in Healthcare Course Development* *David Flanigan*
2:30 PM - 3:00 PM	**Afternoon Networking Break** in **Atrium** with Sponsors/Exhibitors *Presented by Rolls-Royce*		
3:00 PM - 4:30 PM	**Session 7 - Applying Models** 3:00-3:40 - *Towards Transforming Legacy Products to their Model-Based Representations* *Apoorv Maheshwari, Navindran Davendralingam, Ali Raz and Daniel Delaurentis* 3:45-4:25 - *SysML and tieing to FMEA (Failure Modes and Effects Analysis)* *James Hummell*	**Panel 8 - Healthcare** ***Healthcare at Crossroads*** **__Moderator__** Chris Wayne, Cientive Group **__Panelists__** *Scott Weigand, Frank Shen, Charles Miramonti, and Alice Mitchell* 3:00-3:10 - Introductions 3:10-3:50 - Position Statements 3:50-4:05 - Moderator follow-up 4:05-4:25 - Panel / Audience Discussions	**Panel 9 - Education** ***Performing Requirements Analysis in a Limited and Constrained Environment, an Interactive Event Between INCOSE and Indiana FIRST*** **__Moderators__** Jason Sherey & Chris Osborne **__Panelists__** *Mike Celentano, Stephen Kuehl, and Mike Vinarcik* 3:00-3:15 - Position Statements 3:15-3:45- **FIRST** Team 1024: Kil-a-Bytes 3:45-4:25 - Panel / Audience Discussions
5:00 PM - 6:00 PM	*Transition for Banquet*		
6:00 PM - 7:00 PM	**Pre-Banquet Reception & STEM Demonstrations** in **Freedom Hall** *Presented by ICTT System Sciences*		
7:00 PM - 9:30 PM	**Conference Banquet** in **Freedom Hall** **Presented by** *V4I - The Virtual, Verification, Validation, and Visualization Institute* ***Banquet Welcome*** *- Conference Emcee, Michael Vinarcik* ***Jack & Diane (INCOSE Mix)*** *- David Walden* **Dinner** Banquet Featured Speakers - *The Future of INCOSE* *Andrew Pickard, INCOSE Chief of Staff* *and Mike Celentano, INCOSE Technical Director* **Dessert and Networking**		

Friday, 19 October 2018 - AM

Time Block (Eastern Time)	Salon A/B/C PDD Satellite Site	Salon D	Salon E
7:00 AM - Noon	**Registration** in **Atrium**		
7:00 AM - 4:00 PM	**Exhibits** in **Atrium**		
7:00 AM - 8:00 AM	**Networking Continental Breakfast** in **Atrium** or **PDD Site** with Sponsors/Exhibitors *Presented by Adjutant Solutions Group*		
8:00 AM - 10:00 AM	**Day 2 Opening Plenary** in **Salon A/B/C** 8:00-8:10 *Announcements and Recognition of PDD Satellite Sites* *Conference Emcee, Michael Vinarcik* 8:10-9:00 - Keynote Speaker - *Lean Systems Design* *Art Hyde, Adjunct Professor, Integrative Systems + Design, The University of Michigan College of Engineering & former Global Product Development System Chief Engineer at Ford Motor Company* 9:05-9:55 - Keynote Speakers - *Changing the Focus: From Parts to Systems* *Christian Gianni, Chief Technology Officer and Sr Vice President Product Development at Whirlpool Corporation & Greg Garstecki, Senior Principle Engineer at Whirlpool Corporation*		
10:00 AM - 10:30 AM	**Morning Networking Break** in **Atrium** or **PDD Site** with Sponsors/Exhibitors *Presented by Cummins Inc.*		
10:30 AM - 12:00 PM	**Session 10 - To Digital & Beyond** 10:30-11:10 - *Evolving MBSE to Enable the Digital Future* *Zane Scott* 11:15-11:55 - *Applying System Modeling to Wargame and Boardgame Design* *Michael Vinarcik and Uwe Eickert*	**Session 11 - Disruptions** 10:30-11:10 - *The Future of Healthcare with IoT* *Mike Celentano* 11:15-11:55 - *Adapting MBSE to Production Systems* *Leon McGinnis*	**Session 12 - Changing People** 10:30-11:10 - *Advocating for change across cultures in your organization* *Sharmila Vivekanandan* 11:15-11:55 - **How to Train an Enterprise of Systems Engineers?** *Mandy McIvor and Greg Garstecki*

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Friday, 19 October 2018 - PM

Time Block (Eastern Time)	Salon A/B/C PDD Satellite Site	Salon D	Salon E
12:00 PM - 1:00 PM	**Networking Lunch** in **Freedom Hall** or **PDD Site** with Sponsors/Exhibitors *Presented by No Magic*		
1:00 PM - 2:00 PM	**Sigma Theta Mu Lecture** in **Salon A/B/C** or **PDD Site** 1:00-1:10 *Introduction* - *Sigma Theta Mu President, Michael Vinarcik* 1:15-1:55 *Augmented MBSE: Combining Model Based Systems Engineering with AI & Machine Learning* *Sigma Theta Mu Honoree, Mark Petrotta, SSI*		
2:00 PM - 3:30 PM	**Session 13 - Architecting** 2:00-2:40 - *Architecting Resilient Systems With Design Structure Matrices and Network Topology Analysis* *Bob Hill, Thomas Mazzuchi, and Shahram Sarkani* 2:45-3:25 - *Modular Architecture Principles for Model-Based Systems Engineering* *Axel Reichwein*	**Session 14 - Deeper Dives** 2:00-2:40 - *Systems Engineering Philosophical Questions* *David Walden* 2:45-3:25 - *Welcome to Reality - Surviving the Deadly Divide Between Pre-Sale and Post-Sale* *Randall Iliff*	**Session 15 - Useful Enhancements** 2:00-2:40 - *Heuristics for Systems Engineering* *Kevin Devaney* 2:45-3:25 - *A SSM-TRIZ Methodology for Problem Structuring and Business Model Mapping* *Ibukun Phillips and Robert Kenley*
3:30 PM - 4:00 PM	**Afternoon Networking Break** in **Atrium** or **PDD Site** with Sponsors/Exhibitors		
4:00 PM - 5:30 PM	**Session 16 - Early Lifecycle** 4:00-4:40 - *A Proven Process for Technology Pre-Development* *Mike Celentano* 4:45-5:25 - *Model Based Design for Intellectual Property* *Kalpak Kalvit, Rajat Gupta and Dr. Hazim El-Mounayri*	**Panel 17 - Innovation** *Patterns In the Public Square: Sharing Models to Streamline Innovation* *Moderator* Bill Schindel *Panelists* *John Matlik, Doug Koeneman, and Ronald Iacocca* 4:00 - 4:30 - Position Statements 4:30 - 5:25 - Audience Discussions	**Session 18 - Digital & Manufacturing** 4:00-4:40 - *Harmonizing Worldviews of Smart Manufacturing* *Richard Martin* 4:45-5:25 - *A New Manufacturing Paradigm* *Mohsen Moghaddam and C. Robert Kenley*
5:30 PM - 6:00 PM	**Day 2 & SE-PDD Closing Plenary** in **Salon A/B/C** or **PDD Site** 5:30-5:40 *Announcements and Recognitions* - *Conference Emcee, Michael Vinarcik* 5:40-5:50 *GLRC2019 Preview* - *GLRC2019 Chair TBD* 5:50-6:00 *Conference Wrap-up* - *Conference Emcee, Michael Vinarcik*		
6:00 PM	**Depart** or **Informal Networking** & **Dinner on Your Own** or **Optional Social Event**		
4:00 PM - 6:00 PM	**Sponsor/Exhibitor Tear-Down** in **Atrium**		

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Saturday, 20 October 2018

Time Block (Eastern Time)	Salon A	Salon B	Salon C	Salon D
7:00 AM - 8:30 AM	**Breakfast on Your Own**	**Breakfast on Your Own**	**Breakfast on Your Own**	**Breakfast on Your Own**
8:30 AM - 10:00 AM	**TUTORIAL** **Lean Startup Method and Agile Scrum for Initial Project Planning** Michael Pafford *(Pre-Registered Participants Only)* *Extra registration fee*	**TUTORIAL** **Inserting Systems Engineering into a Resistant Organization** David Walden *(Pre-Registered Participants Only)* *Extra registration fee*	**TUTORIAL** **Emerging Issues in Application of Model-Based Systems Engineering** William Schindel *(Pre-Registered Participants Only)* *Extra registration fee*	**INCOSE CSEP/ASEP Exam** Proctors - Bob Bordley and C. Robert Kenley **Open to Everyone!** *(Pre-Registered Participants Only)* *Free for GLRC 2018 attendees.* *Extra registration fee for others.*
10:00 AM - 10:30 AM	**Morning Networking Break**			
10:30 AM - 12:00 PM	**Lean Startup Method and Agile Scrum for Initial Project Planning** *(cont.)*	**Inserting Systems Engineering into a Resistant Organization** *(cont.)*	**Emerging Issues in Application of Model-Based Systems Engineering** William Schindel *(cont.)*	
12:00 PM - 1:00 PM	**Networking Lunch**			
1:00 PM - 2:30 PM	**Lean Startup Method and Agile Scrum for Initial Project Planning** *(cont.)*	**Inserting Systems Engineering into a Resistant Organization** *(cont.)*	**Emerging Issues in Application of Model-Based Systems Engineering** *(cont.)*	**TUTORIAL** **Simulation Modeling Workshop** Rainer Dronzek *(Pre-Registered Participants Only)* *Extra registration fee*
2:30 PM - 3:00 PM	**Afternoon Networking Break**			
3:00 PM - 4:30 PM	**Lean Startup Method and Agile Scrum for Initial Project Planning** *(cont.)*	**Inserting Systems Engineering into a Resistant Organization** *(cont.)*	**Emerging Issues in Application of Model-Based Systems Engineering** *(cont.)*	**Simulation Modeling Workshop** *(cont.)*
	Depart or Informal Networking & Dinner on Your Own			