

# Automotive Working Group invites **You** to the



**32<sup>nd</sup>** Annual **INCOSE**  
international symposium

hybrid event

Detroit, MI, USA  
June 25 - 30, 2022

## Automotive Program Highlights

### Saturday and Sunday, June 25, 26

All Day

Systems Engineering Tutorials and Panels:  
*Various Tutorials and board meetings occurring throughout the day*

### Monday, June 27

- 10:00-10:40 Industrial DevOps: From Value Streams to Lean-Agile Teams for sustainable delivery  
*Suzette Johnson, Robin Yeman*
- 13:30-14:10 Realizing viewpoints in digital engineering  
*Eran Gery*
- 15:30-16:10 An integrative approach proposal for System Engineering, Design Science and Configuration Management  
*Michel Paillet, Jean-Pierre Dandrieux, Omar Abderrazik*

### Tuesday, June 28

Keynote

- 08:00-09:25 **Livestreamed** Mobility and System Engineering Integration  
*Carla Bailo, Center for Automotive Research (CAR)*
- 10:00-12:10 **Livestreamed** Transforming Mobility: Automotive Executive Roundtable  
*Carla Bailo, Anne O'Neil*
- 10:45-11:25 The Unified Risk Assessment and Measurement System (URAMS)  
*William Bryant*

### Wednesday, June 29

- 10:00-10:40 How to faithfully model systems composed of millions of parts?  
*Samuel Boutin*
- 14:15-14:55 Functional Architectures using SysML  
*James Hummell*

For more information contact Automotive Working Group Co-chairs:  
Gary Rushton, [gary.rushton@gm.com](mailto:gary.rushton@gm.com) - DAURON Alain, [alain.dauron@renault.com](mailto:alain.dauron@renault.com)

Program subject to change - please check the symposium website ([www.incose.org/symp2022](http://www.incose.org/symp2022)) for any updates.

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### Thursday, June 30

08:00-08:40 System Verification and Validation Approach Using the MagicGrid Framework  
*Aurelijus Morkevicius, Aiste Aleksandraviciene, Zilvinas Strolia*

08:00-08:40 **Livestreamed** Examination of Altshuller's Trends of Technical System Evolution in Automotive Passenger Vehicles  
*Lucas Demott, Hassan Hussein, Jacob Niebauer, Hector Arzaga Nunez, Shweta Ugare, Jonathan Weaver*

08:45-09:25 **Livestreamed** MBSE Adoption for Anonymous-7 Functional and Performance Analysis  
*Habibi Husain Arifin, Takeshi Morita, Ken Kawamura, Yutaka Ayame, Ho Kit Robert Ong, Yukimi Mizuno*

#### Keynote

13:30-15:00 **Livestreamed** Ford's Connected-Agile, Model Based Systems Engineering and Simulation Journey....so far.  
*Christopher Davey, Ford Motor Company*

#### Poster

##### Heuristic-Based Architecting for Autonomous Vehicle Systems

*Manpreet Bansal, Bradley Drogosch, Omar Lara Monarrez, Edwin Plantharan, Zdravko Nikolik, Jonathan Weaver*

##### The Power of Connection between Systems Engineering and 3D Wire Harness: Model-Based Wire Harness Engineering at Lockheed Martin Skunk Works

*Chris Meeker, Clifton Davies, Pascal Fontanie, Saulius Pavalkis, Axelle Sery, Zhen Yang*

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