

# Smart cities Initiative invites **You** to the



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

hybrid event

**Detroit, MI, USA**  
June 25 - 30, 2022

## Smart cities Initiative 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

13:30-14:10

Livestreamed

Applying Model-Based Systems Engineering Methods to Architecting Human Lunar Habitats

*Jeremy Ross, Chris Craft, Chris Caron, Stephen Pien, Ashishkumar Prajapati, Michael Vinarcik*

15:30-16:55

How to apply a criticality framework to your communications' networks

*Susan Ronning, Anne O'Neil, William Schieble, Thomas Manley, Keith Rotschild*

### Tuesday, June 28

10:00-10:40

Tilting at Windmills: Value Chains, Risk, Opportunity, and the 2021 Texas Electricity Grid Failure

*Matthew Hause, Lars-Olof Kihlström*

10:45-11:25

The Unified Risk Assessment and Measurement System (URAMS)

*William Bryant*

### Wednesday, June 29

13:30-14:10

Requirements Management framework for program RFQ phase

*Max Franklin, Enoch Lee*

16:15-16:55

Investigating Systems Engineering Approaches in the Construction Industry: A Multi-Case Study

*Tobias Fredrik Lynghaug, Satyanarayana Kokkula, Gerrit Muller*

For more information contact Smart cities Working Group Co-chairs:

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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

- 10:00-10:40 Past, Present, and Future of the Unified Architecture Framework (UAF)  
*Aurelijus Morkevicius*
- 10:00-10:40 **Livestreamed** Systems Engineering applied in the construction industry to achieve a BREEAM certification  
*Cecilia Haskins, Hanne Helseth*
- 10:45-11:25 **Livestreamed** Benefits of Systems Engineering in Large Infrastructure Projects: the much-anticipated empirical proof.  
*Jaume Sanso, David Martin*
- 11:30-12:10 Integration: More Than Interface Management  
*James Armstrong*

For more information contact Smart cities Working Group Co-chairs:  
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