Press Release

International Symposium Best Paper award in the Modeling Simulation and Analysis Category Announced

SAN DIEGO (28 Jun 2022) – INCOSE is pleased to announce that the best paper award in the modeling, simulation and analysis category has been presented to Jeremy Ross, Chris Craft, Chris Caron, Stephen Pien, and Ashishkumar Prajapati of the Ford Motor Company and Michael Vinarcik from the University of Detroit Mercy for their paper, *Applying Model-Based Systems Engineering Methods to a Novel Shard Systems Simulation Methodology.*

The paper discusses the application of model-based systems engineering (MBSE) methods to the definition of a shared systems architecture. It offers a novel methodology for extending the model-based approach from the system definition space into the system simulation and analysis domain. It presents an approach for the interface management of design properties between a model-based architecture and system simulation. The effectiveness of the methodology was assessed with trade study simulations of a novel human lunar habitat architecture.

149 papers were submitted for consideration by INCOSE for the International Symposium. All papers were subjected to a rigorous selection process including a double-blind review by experts from the systems engineering disciplines to ensure that papers meet the high standards required for the largest worldwide annual gathering of systems engineering professionals.

A further review by Technical Operations leadership selects the best papers from the 75 papers selected for the symposium, which are then presented to the Technical Director who finalizes the 4-6 best paper choices.

Chris Hoffman, INCOSE Technical Director says, “The authors should be proud of this significant achievement. I continue to be impressed by the quality of the papers that are submitted and I can’t stress how significant it is within the systems engineering community to be a recipient of one of the best paper awards at our International Symposium.”

Jeremy Ross, one of the authors says, “It was a privilege to present our paper at the International Symposium and to share our ideas with a globally diverse audience of our peers. To be recognized as one of best papers at the symposium is an honor and as a team we are delighted to receive this recognition.”

The INCOSE International Symposium is taking place in Detroit from June 25-30 with the theme of *The Power of Connection,* and features experts in aerospace, energy, healthcare, transportation, the Internet of Things, AI, and Cyber-Physical Systems.

The annual symposium attracts an international mix of professionals at all levels, including practitioners in government and industry, as well as educators and researchers. Attendees include representatives from BAE Systems, BMW, Jaguar Land Rover, GE, IBM, Lockheed Martin, Raytheon Technologies, Medtronic, Network Rail, Roche, Rolls-Royce and many more.

INCOSE Media Contact: Honor Lind, Director for Marketing and Communications, marcom@incose.net, Call INCOSE at 1-858-541-1752 or visit www.incose.org.

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Figure 1: Marilee Wheaton, INCOSE President and Fellow with Jeremy Ross. Jeremy is a Systems Optimization Engineer and Ford Motor Company in Dearborn, Michigan. He is also an Adjunct Professor of Systems Engineering at the University of Detroit Mercy.

Suggested Social Media Posts

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#INCOSE #SystemsEngineering

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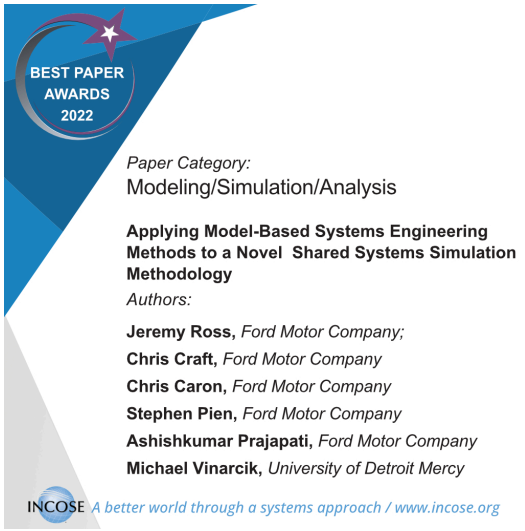
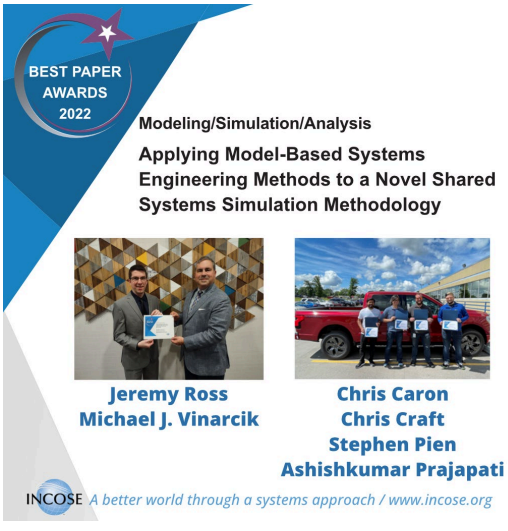
#INCOSE #SystemsEngineering





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Notes to Editors:

About the International Council on Systems Engineering

The International Council on Systems Engineering (INCOSE) is a not-for-profit membership organization that promotes international collaboration in systems engineering practice, education, and research. INCOSE's mission is to "address complex societal and technical challenges by enabling, promoting and advancing systems engineering and systems approaches." Founded in 1990, INCOSE has more than 65 chapters and over 20,000 members and associates worldwide. For additional information about INCOSE visit www.incose.org.

About the INCOSE Symposium

The INCOSE symposium has a rich history that dates back to 1991 and has continued uninterrupted every year to the present. The symposium is the largest worldwide annual gathering of systems engineering professionals and includes six days of presentations, case studies, workshops, tutorials, and panel discussions. Participants attend the Symposium to share ideas, network, build competency, and pursue certification. They contribute to the advancement of the profession through collaboration on tools, processes, and methodologies, and forging new partnerships. For information on the 32nd INCOSE International Symposium, see www.incose.org/symp2022.

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