



2022
Annual **INCOSE**
international workshop
HYBRID EVENT
Torrance, CA, USA
Jan 29 - Feb 1, 2022

Lean Systems Engineering

www.incose.org/IW2022



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CHAIR

Art Hyde (arthyde55@gmail.com)

MEMBERS

60

INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/LSE/Pages/Home.aspx>

INCOSE WEB PAGE



<https://www.incose.org/incose-member-resources/working-groups/transformational/lean-systems-engineering>

Charter Summary



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WG PURPOSE/MISSION

It is our mission to strengthen the practice of Systems Engineering (SE) by exploring and capturing the synergy between traditional SE and Lean New Product Creation. To do this, we will advance the Body of Knowledge of Lean Thinking into SE practices to integrate people, processes, and tools for the most effective delivery of value to program stakeholders. Key workstreams to deploy these innovations include developing new socio-technical methods and developing training.

WG GOAL(S)

The goals are to create new methods building on the Lean Systems Engineering enablers for a cross-disciplinary team composed of humans to engineer a new human-centered product within the context of an Enterprise managed by humans. The new methods are to efficiently and effectively integrate Model-Based Systems Engineering workstreams with disparate other processes & tools used in executing complex new product creation projects such as Design Thinking, Agile Development, PM & Decision Science.

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WG SCOPE

The Lean Systems Engineering Work Group scope includes working with the Project Management, Agile Development and Social Systems workgroups presently in addition to Universities such as the University of Michigan.

OUTCOMES (PRODUCTS/SERVICES)

The working group is temporarily suspended due to Covid disruptions and new work responsibilities at the University of Michigan.

IW Outcomes



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IW Outcomes

Building a coalition of support within other Work Groups for initiatives prioritized by the Lean Systems Engineering Work Group.

PLANNED ACTIVITIES AFTER IW

Support Automotive, Agile and Social Systems teams as much as time allows.

PLANNED WORK PRODUCTS AFTER IW

NA