POSTER DESCRIPTION SHEET

Title: *Enablers, Barriers, and Precursors to the Development of Systems Thinking in Engineers*

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Summary Description: This study examines systems thinking development in engineers, in order to accelerate the development of senior systems engineers. Better understanding of systems thinking development provides a foundation for more effective and efficient educational interventions and employee development for engineering professionals across industry, government, and academia.

Key Points:
1) Motivation: Companies are interested in understanding how to more rapidly develop senior systems engineers, but few studies rigorously examine the mechanisms that develop this type of thinking.
2) Methodology: Using interview and survey data from a series of host aerospace companies, the researchers are studying how senior systems professionals developed and company procedures for this development.
3) Results: The results of this research are directly applicable to systems education and systems training efforts in the LAI consortium companies.

Linkage with Research: This poster is an overview and summary of the research.