Multi-Platform Thinking: Integrating the Lean Enterprise

Presented By

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Motivation: Applying Lean Concepts in a Multi-Program Enterprise

• Multi-platform *enterprise level challenges* in the design of system architectures, technologies, manufacturing processes and supplier networks.

• Meeting increased *commonality* and *interoperability* needs.

• Managing increased *complexity* across multiple platforms.
Focus: Knowledge Management Across Program Boundaries

• Horizontal *Knowledge Integration* across programs/platforms:
  • Create, Capture, Share and Re-Use Knowledge across programs
  • Integrate Digital Design and Manufacturing Processes

• Fostering **Innovation**

• Interoperability of Solutions
Goals: Best Practices for Architecting Lean Multi-Program Enterprises

Defining and Validating:

- Effective Methods
- Practices
- Metrics

For Integrating the Multiple-Product:

- Development
- Production
- Support
Research Methodology:

- Literature Search:
  - Identifying and Integrating Applicable Bodies of Work

- Interviews / Survey:
  - Learning Challenges at Enterprise Level

- Case Study:
  - Gathering Data at Interfaces of a Multi-Program Enterprise

- Benchmarks:
  - Comparing against a Standard of Lean Enterprise Architecture

Key: Your Participation and Feedback is Needed
Expected Research Benefits:

Thrust towards:

- Program to Enterprise Lean (Global versus Local Optimization)
- Maximizing Learning across the Enterprise
- Integrating on multiple levels
- Commonality in Products and Organizations
- Interoperability in Products and Solutions

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