Growing the Lean Community
An LAI Plenary Conference

Breakout Session: Understanding the Product Development Value Stream
April 10, 2001

Chaired By:
Hugh McManus, MIT
1:30  Matching Product and Process Architectures; Steve Eppinger, MIT
2:30  Understanding Risk and Uncertainty; John Deyst, MIT
2:50  Break
3:20  Lean Product Development Definitions and Concepts; Hugh McManus, MIT and Ed Harmon, NGC
3:40  PD vs Mapping Tools; Rich Millard, MIT
4:00  Air Combat Systems Educational Lean Event: Product Definition Elements; Helen Kozycz, NGC
4:20  Value Stream Analysis Program; Adi Choudri, Aerojet
4:40  Questions and Discussion: Next steps
Using Value Stream Thinking

Understand PD issues, even outside the context of classic lean:

➢ Steve Eppinger
  ➢ product, process, and program architectures and their interactions
  ➢ Using DSM tool

➢ John Deyst
  ➢ New perspective on the PD value stream in terms of risk and uncertainty reduction
Applying Lean Techniques

- Hugh McManus and Ed Harmon
  - Applying “classic” lean to PD

- Rich Millard
  - Value Stream mapping techniques for PD

- Helen Kozycz
  - Case study in Lean PD process improvement

- Adi Choudri
  - VIPS PD Value Stream management tool
➢ Steve Eppinger
  ➢ General Motors LFM Associate Professor of Management Science and Engineering Systems
  ➢ Sloan School of Management and a joint appointment in MIT’s Engineering Systems Division
  ➢ Co-director, Center for Innovation in Product Development
  ➢ Research and teaching in improving product design and development practices

➢ John Deyst
  ➢ Aero-Astro; industry experience at Draper Labs
  ➢ Information Systems for Aerospace Vehicles, Control Theory and Methods, Fault Tolerant Systems
  ➢ LAI PD
Hugh McManus and Ed Harmon
- Colead for PD at LAI
- Title?

Rich Millard
- Title - Academy; future?

Helen Kozycz

Adi Choudri