Industry Panel –
OSLC Breakout Session

MBSE Workshop at the
2015 INCOSE International Workshop
Torrance, CA

Roger Burkhart (John Deere)
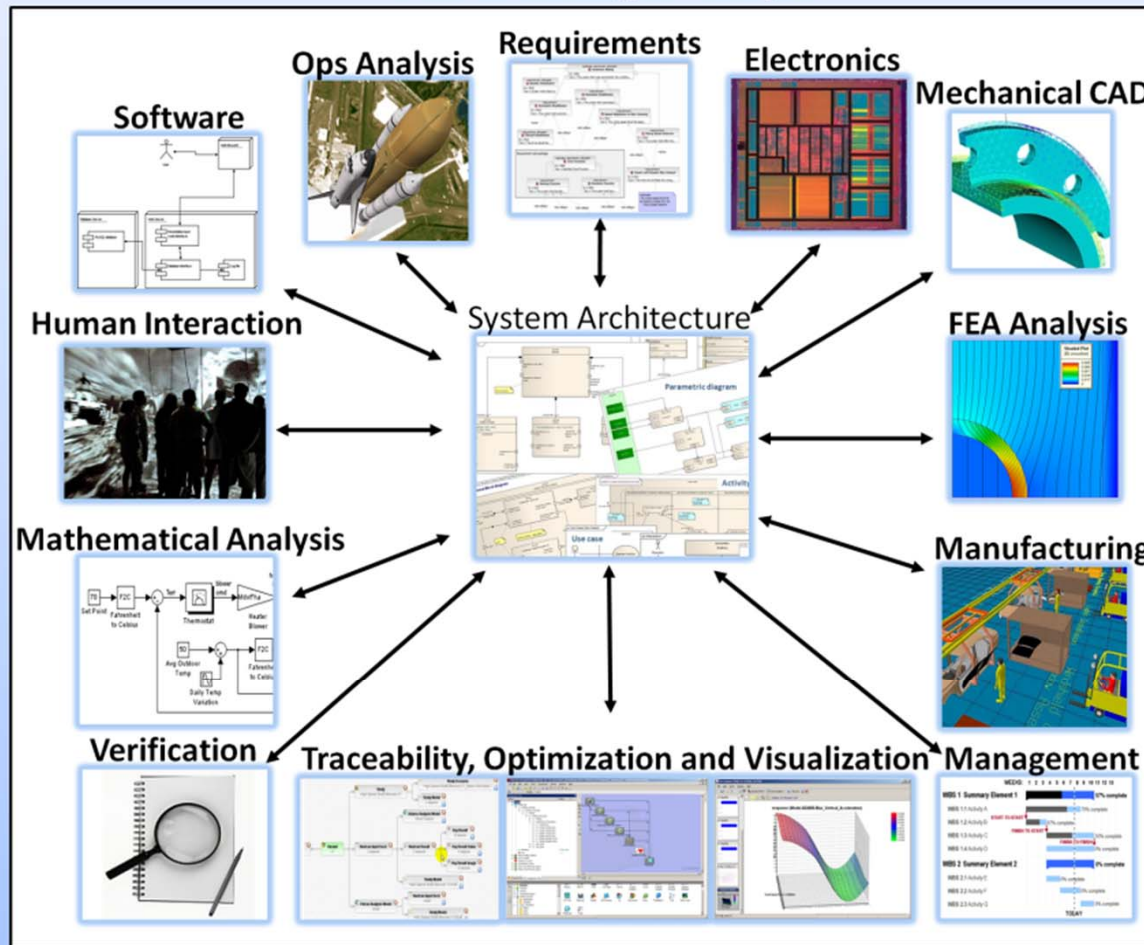
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International Council on Systems Engineering

MBSE WIKI

wiki.omg.org/MBSE

Model Centric Digital Tapestry
Christopher Oster, Lockheed Martin Corp.

Shared SE Context across the Eng. Life Cycle

From RFLP to Requirements, Functions, Solutions (RFS/AIC)

- *Refinement of requirements, from customer needs through flowdown to derived requirements*
- *Function hierarchy, with key role of functional decomposition before solutions*
- *Solutions/System Hierarchy, defined by Architectures, Interfaces, Connections*

Allocation, Trace, and other relationships as in SysML

Captured as a Conceptual Data Model, independent of notation

- *SysML is just a specific form of generic, domain-independent notation (and a relatively non-descript one at that, just boxes and lines)*

W3C/OSLC provides best overall platform for defining and deploying a Shared SE Context from early conceptual design through detailed design, simulation & analysis, testing & verification, and life-cycle support

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