Systems Engineering DSIG

- Tuesday, March 23, 2021, 1/2 day, 45 attendees

Highlights from this Meeting:

- **SysML v2 Update – S Friedenthal, E Seidewitz, M Bajaj, Y Bernard**
  - SysML v2 Stakeholder Review
  - Language updates (Trade studies, Enumerations, Metadata annotation, Element filtering, Allocation, Accept actions for ports)
  - API updates (Query, Pagination, Branching, OSLC PSM and Pilot Implementation, Conformance Testing)
  - Planned revised submission for August, 2021

- **SysML v2 Semantics with a Little Math – Conrad Bock, Ed Seidewitz**
  - Follow-up from December SE DISG presentations on semantics
  - Declarative semantics part of SysML v2 foundation
  - Use to check if real or virtual thing conforms to a model
  - Based on classification, classifiers and features are types
  - ‘Most of SST semantics is equivalent to OWL’
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• Highlights from this Meeting (cont.):
  • Model of Models Methodology – Alec Jackson
    ➢ Goal is to enable enterprise reuse of models
    ➢ Built on top of OOSEM
    ➢ Taxonomies of logical and physical components
    ➢ Physical system composed of physical components that redefine logical components
    ➢ Applied successfully on multiple programs