

Meeting Minutes

Meeting: November 10, 2014, web meeting of Patterns Challenge Team of MBSE Initiative

Participants:

(**= co-chairs of challenge team)

| Name | | Affiliation | Email |
|---------------|-------|----------------------|-----------------------------------|
| Cook | David | Moog Aerospace | dcook@moog.com |
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Summary:

- Wave 1 Projects:** Congratulations to the four sub-teams whose work to date included submission of papers for IS2015 that involve PBSE using S*Patterns:
 - Automated Test in Safety Critical Systems: D. Cook et al, Moog Aerospace
 - Reducing Error Escapes in Safety Critical Control Systems: A. Pickard et al, Rolls-Royce
 - Automated Ground Vehicles: T. Peterson et al, Booz Allen Hamilton
 - MBSE Across the Enterprise: B. Schindel et al, ICTT; S. Sanyal, K2

Abstracts of above papers are at: http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_11.10.14

- Wave 2 Projects:** A new crop of S*Patterns interested parties and projects have identified themselves, are being organized for the coming months, and were discussed by interested members:
 - S*Pattern support to the health care teams working toward a health care reference architecture. (Vijay Thukral, Cientive, et al)
 - Systems Engineering Social Network S*Pattern (Chris Hoffman, et al, Cummins)
 - Agile Systems: Agile Modeling and Modeling Agile Systems workshop session that our team will present with the Agile Systems WG at IW2015 in January in LA (Rick Dove, Bill Schindel)
 - PBSE Methodology Summary our team will generate to add to the INCOSE MBSE methodology summaries listing.
- S*Pattern Construction:** We briefly reviewed the appearance of attribute couplings in S*Models and patterns, including quantitative models coupling variable attributes of Stakeholder Features, Technical Roles & Requirements, and Physical Components.

Additional Details:

- 4. We discussed meeting once in December and once in January, prior to the IW2015 meeting, and then meeting at / during the IW2015 meeting.

Action Items:

- 5. Support the four Wave 1 Projects' sub-teams and paper authors, in their updates to their patterns, their applications, and their papers (Sub-team members, Bill S.)
- 6. Support Midwest Regional Biomedical / Healthcare Working Group interest in reference architecture pattern (Vijay Thukral, Bill S)
- 7. Support interest in a Systems Engineering Community of Practice Social Network Pattern (Chris Hoffman, Bill S)
- 8. Continue to work with Rick Dove on IW2015 joint session on Agile Systems Engineering (Bill S)
- 9. Provide an S*PBSE methodology summary for addition to the INCOSE published list, with initial review by the Patterns Challenge Team (Bill S., reviewing team members)
- 10. Obtain IS2015 paper author agreements to share draft papers from authors, for additional feedback. (paper authors, Bill S.)
- 11. Set agenda for working meeting of this team at IW2015, January 26-27. Reserve meeting facilities. (Bill S.)
- 12. Catch up with NGC and coordinate team meeting calendars. Identify potential interest in seeing how to structure patterns with shared content and unshared private content. (Troy Peterson, Tamara Valinoto)
- 13. Continue to support sub-team and individual interests in work on their patterns, guided by the original example pattern review schedule:

| Sessions | Configurable S*Pattern Construction |
|----------|---|
| Aug | Configurable Features Model; Domain Model |
| Sep | Domain Model; Interactions; States |
| Oct | Detail Interactions; Requirements; Attribute Couplings |
| Nov | Logical Architecture; Detail Interactions; Requirements |
| Dec | Physical Architecture; Failure Modes |
| Jan | More about configuration rules |

References:

- 14. General web site for Patterns Challenge Team, charter, meetings listing, etc.:
<http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns>
- 15. Nov 10 meeting agenda and meeting slides, at:
http://www.omgwiki.org/MBSE/doku.php?id=mbse:patterns:patterns_challenge_team_mtg_11.10.14