

DCC'16 Workshop on Games for Design Research and Education

Orbital Federates

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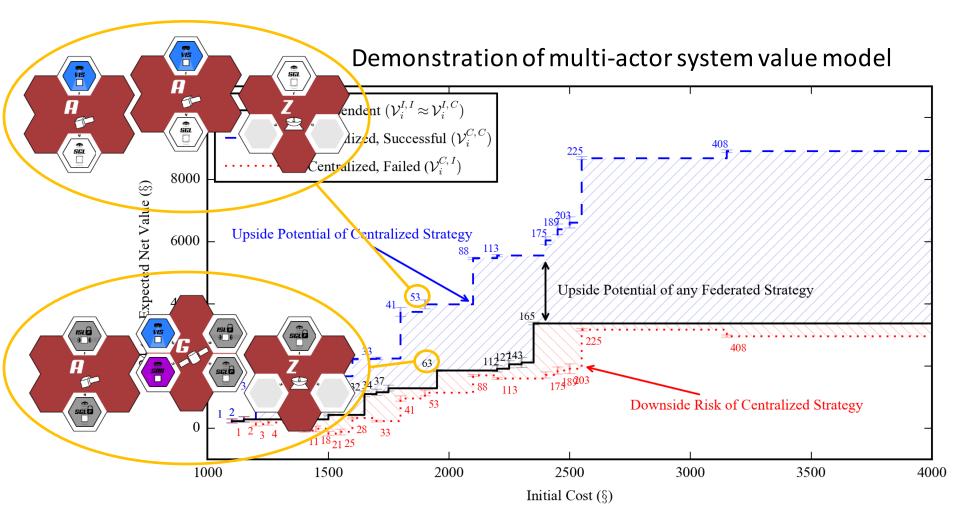
- Purpose: exploration (and teaching)
- Context: federated satellite systems (FSS)
- Interactive board game
 - Low cost, simplified model
 - Operate satellites for profit
 - Compete or collaborate
- Observe in game-play:
 - How and why do players choose to collaborate?
 - What mechanisms or incentives improve collaboration?



P.T. Grogan and O.L. de Weck (2015). "Interactive Simulation Games to Assess Federated Satellite System Concepts," 2015 IEEE Aerospace Conference.

Orbital Federates Simulation





P.T. Grogan et al. (2016). "Bounding the Value of Collaboration in Federated Systems," 2016 IEEE International Systems Conference.



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