



MARCH 6, 2014

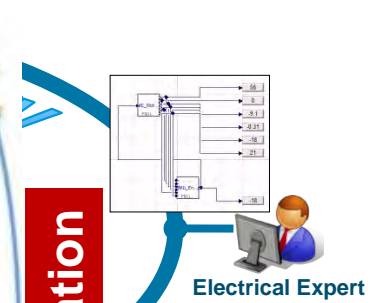
Future@SystemX

Organise The Engineering of The Future

System Architecture



System Architect



Collaboration



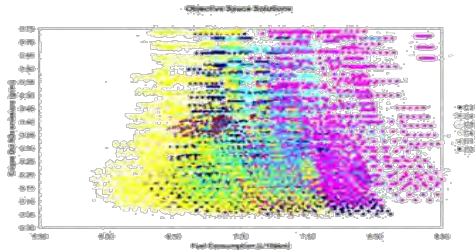
Models Factory



Future@SystemX

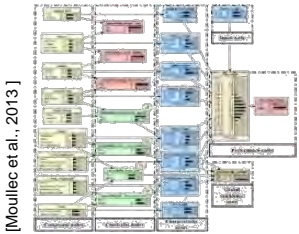
- #DESIGN
- #MODELIZE
- #SIMULATE
- #EXPERIMENT

Innovation and technology portfolio



[Smaling et al., 2007]

System Architecture generation



[Moulec et al., 2013]

System Architecture selection

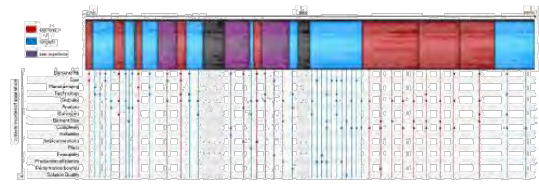
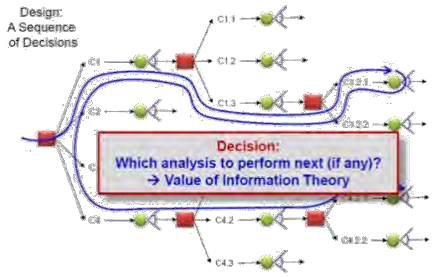


Figure 5-7. Timeline of identification of the new criteria

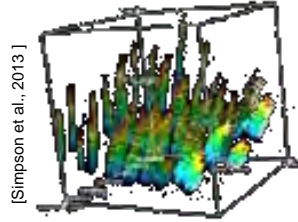
Value-driven systems engineering



[Thompson and Paredis, 2013]

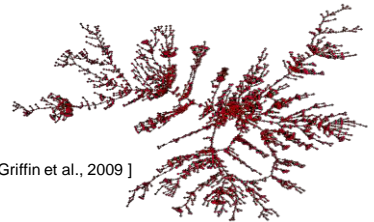


System Architecture exploration



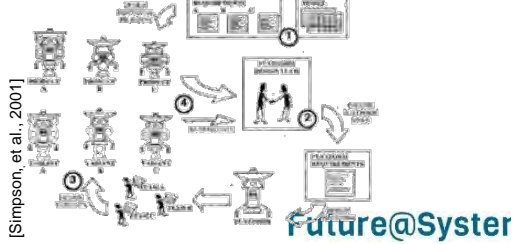
[Simpson et al., 2013]

Change propagation analysis



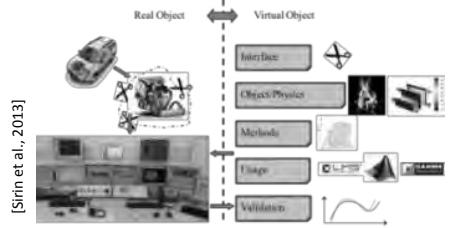
[Griffin et al., 2009]

Product platform and modularity



[Simpson, et al., 2001]

Simulation architecting process



[Srin et al., 2013]

