2015 INCOSE International Symposium

Seattle, Washington

July 13-16, 2015

Building for Tomorrow: Toward 21st Century Systems Engineering’

David Long – INCOSE President

A recording is available on YouTube at <https://www.youtube.com/watch?v=xtqd8fEDgNk>

0:30 incose origins

1:25 incose vision 2025

2:05 good old days of systems engineering

3:15 incose systems engineering handbook

3:45 mbse - documents and models

6:05 aspects on the new reality

7:05 six systems engineering challenges (from vision 2025)

8:55 eight dimensions to our challenge

13:40 mbse - architectural models and analytical models

15:50 ontologies - communication of ideas

18:10 theory of systems engineering and heuristics

20:05 process and standards

22:30 to-be state - model based engineering

23:30 transition of system engineers

26:30 systems engineers as a valued profession

guide to lean enablers - mit, pmi, and incose

impact of systems engineering - ndia and sei study

28:25 21st century systems engineering