Mastering Systems Integration; Course Material

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Abstract

Listing the course material for the course Systems Integration

Distribution

This article or presentation is written as part of the Gaudí project. The Gaudí project philosophy is to improve by obtaining frequent feedback. Frequent feedback is pursued by an open creation process. This document is published as intermediate or nearly mature version to get feedback. Further distribution is allowed as long as the document remains complete and unchanged.

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logo
TBD

Colofon

The Systems Integration course is partially derived from the Systems Integration and Test course developed at *TNO-ESI* by *Teade Punter, Frans Beenker,* and *many others*.

Early Validation

core

Course Systems Integration; Early Validation

http://www.gaudisite.nl/info/MSIearlyValidation.info.html

optional

System Integration How-To

http://www.gaudisite.nl/info/SystemIntegrationHowTo.info.html

Save Money by Investing In Models; Failing Early is More affordable Than Failing Late

http://gaudisite.nl/SaveMoneyInvestInModelsSlides.pdf

Light Weight Architectures; The way of the future?

http://gaudisite.nl/info/LightWeightArchitecting.info.html

Hardware. Software, Systems

core

Course Systems Integration; Early Validation

http://www.gaudisite.nl/info/MSIhardwareSoftwareSystem.info.html

optional

Tutorial Software as Integrating Technology in Complex Systems

http://gaudisite.nl/info/TutorialSoftwareAsIntegratingTechnology.info.html

Project Management

core

Course Systems Integration; Porject Management

http://gaudisite.nl/info/MSIprojectManagement.info.html

optional

Combating Uncertainty in the Workflow of Systems Engineering Projects

INCOSE 2013, Barry Papke and Rick Dove

Readiness Levels

core

Course Systems Integration; Early Validation

http://www.gaudisite.nl/info/MSIreadinessLevels.info.html

optional

From TRL to SRL: The Concept of Systems Readiness Levels

CSER 2006, Brian Sauser et al.

https://en.wikipedia.org/wiki/Technology_readiness_level

Testing

core

Course Systems Integration; Testing

http://www.gaudisite.nl/info/MSIearlyValidation.info.html

optional

What is wrong with Reliability Engineering, by R.W.A. Barnard, Proceedings of INCOSE 2008 in Utrecht.

Highly accelerated life test

https://en.wikipedia.org/wiki/Highly_accelerated_life_test