

Model Based Space Systems and Software Engineering - MBSE2020

Monday, 28 September 2020

MBSE in Systems Engineering - Application experiences (09:15 - 13:00)

-Conveners: Ana Rugina

time	[id] title	presenter
09:15	[4] Applications of Model-Based Systems Engineering for JAXA's Engineering Test Satellite-9 Project	Mr NAKAJIMA , Yuta
09:45	[5] Modelling Avionics Interfaces and Generating Interface Control Documents for the Propulsion Subsystem of the MPCV European Service Module	Ms CELLARIER , Délia
10:15	[6] Applying MBSE across Flight and Ground on Small and Nano-Satellite Missions	Dr MENDHAM, Peter
10:45	[7] Lessons at CCERES with an MBSE approach for scientific nanosatellites	Dr SEGRET, Boris
11:05	Coffee Break	
11:30	[8] Stepwise adoption of model-based solution for a full MBSE transition, an Industrial perspective	Dr PERILLO, David
12:00	[9] Lessons learned on the use of MBSE in the preliminary design of space systems at CT Paris	Mr MORANE, Julien
12:30	[10] Applying the 'Spacecraft Early Analysis Model' to the Biomass Mission	Mr GREGORY, Joe

MBSE in Systems Engineering - Application experiences (14:00 - 15:55)

-Conveners: Andreas Jung

time	[id] title	presenter
14:00	[11] MBSE approach applied to lunar surface exploration elements	Ms RIMANI, Jasmine
14:30	[12] Successful MBSE landing on a CNES operational use case	Mr LASALLE, Jonathan
15:00	[13] International Cooperation on Model Based Development for Spaceflight Assurance: The TACS Test Case	Ms CONWAY, Isabelle Mr WANG, Lui Mr ISHIHAMA, Naoki

MBSE in Systems Engineering - Application experiences (16:40 - 18:00)

-Conveners: Andreas Jung

time	[id] title	presenter
16:40	[14] Experiences and Expectations with Model Based System and Software Engineering	Mr WORTMANN, Andreas
17:00	[15] Experience Report: History and State of the Practice of Model-Based Software Engineering in Thales Alenia Space in France	Dr PANUNZIO, Marco
17:20	[16] Lessons learned from the use of SysML in Space Systems at SENER Aeroespacial	Mr TARABINI CASTELLANI, Lorenzo
17:40	[17] What to Expect from SysML Version 2?	Mr DE KONING, Hans Peter