

Tuesday 28 March 2023		Wednesday 29 March 2023		Thursday 30 March 2023	
08:00	Registration <i>Location: Tennis Hall (Escape Building)</i>	08:00	Registration <i>Location: Tennis Hall (Escape Building)</i>	08:00	Registration <i>Location: Tennis Hall (Escape Building)</i>
09:00	Welcome & Opening by Mr. Joachim Fuchs (Head of Software Systems Division)	Session 3 - Digital Twin		Session 7 - Testing	
09:10	Logistics by Ms. Alexia Mallet (ESA/ESTEC)	09:00	From a TOMS to a Digital Twin (L. Brayeur - Spacebel)	09:00	ATENA OTX as a test definition environment for ESOC's GSRF (G. Taberski - ITTI)
09:15	Keynote: A Digital Twin Journey for Off-Highway Vehicles by Mr. Dylan Kane (ZF Group)	09:30	Towards an AI-enhanced digital twin for robotic missions (E. Ntagiou - ESA/ESTEC)	09:30	Functional Verification – A central element to foster digitalisation (B. Kircher - Airbus DS)
10:00	Introduction/Update to RatioSim <i>by ESA/ESTEC</i>	10:00	Towards a Service-Oriented and Event-Driven infrastructure for the Spacecraft Digital Twin (G. Richardson - Airbus DS)	10:00	Advanced Automation and Augmented Reality Based Remote Assistance for Agile Satellite Integration and Test (S. Busch - Fraunhofer EMI)
10:30	Coffee Break <i>Location: Exhibition Area</i>	10:30	Spacecraft Digital Twin : DIGITWIX project (J. Denis - Airbus DS)	10:30	ACCEPTO/EGS-CC shadow validation – the last stage before roll-out (P. Parmentier - Airbus DS)
Session 1 - Simulator Kernels (Next Generation)		11:00	Coffee Break <i>Location: Exhibition Area</i>	11:00	Coffee Break <i>Location: Exhibition Area</i>
11:00	SIMSAT as a common Simulation Kernel for the Space Community (J. Perez Rodriguez - Telespazio Germany)	Session 4 - Digital Continuity		Session 8 - Mission Performance Simulators	
11:30	Asynchronix: an auto-parallelizing, high-performance Rust framework for system simulation (S. Barral - Asynchronix)	11:30	From System to Simulation Architecture: towards the MBSE, EDS and Simulation Convergence (HT Pham - Spacebel)	11:30	A Model Based Reference Architecture for End-to-End Mission Performance Simulators – Application to three real world missions (VIGIL, CIMR, AWS) (J. Barbosa - RDA)
12:00	BASILES NG - Towards the future of simulators (R. Marteleur - Spacebel)	12:00	Enabling numerical twins through simulators data continuity (A. Ruiz-Ballesteros - Airbus DS)	12:00	BIBLOS for End-to-End Mission Performance Simulation
12:30	Rationalisation of Simulator Reference Architectures (P. Fritzen - Telespazio Germany)	12:30	The adoption of model-based test engineering competencies to support efficient development of space platforms (N. Nims - NI)	12:30	Space equipment thermal ageing assessment through thermal modeling and data modeling - Contribution to Digital Twin - Application to Copernicus Sentinel 2A & 2B equipment (L. Boussouf - Airbus DS)
13:00	Lunch Break <i>Location: ESTEC Main Restaurant</i>	13:00	Lunch Break <i>Location: ESTEC Main Restaurant</i>	13:00	Lunch Break <i>Location: ESTEC Main Restaurant</i>
Session 2 - SMP		Session 5 - Big Data		Session 9 - Tooling in support of Simulation	
14:15	ECSS E40-07 SMP Experience feedback & suggestions (R. Attori - Spacebel)	14:15	Big Data & AI applied to satellite telemetry monitoring solutions (G. Philips - TAS)	14:15	Real-Time GR740 Emulation with TEMU (M. Holm - TERMA)
14:45	XSMP : an extensible, lightweight and ergonomic Eclipse plugin to ease SMP-compliant simulation models production (O. Malgrand - TAS)	14:45	OASIS: a big data platform for satellite testing and in-orbit operations (F. Morel - Airbus DS)	14:45	From a HiL simulation bench to a constellation TOMS (L. Brayeur - Spacebel)
15:15	System model and flight software artifacts transformation to SMP assemblies to build software in the loop simulators (S. Devaux - Ariane Group)	15:15	Satellite product configuration management - From 10 years lessons learnt at Airbus Defence and Space toward implementation in Ocean software (L. Boussouf - Airbus DS)	15:15	IT ground services and systems for NewSpaceports operations based on 4.0 digitalisation technologies (E. Diez - GTD SSI)
15:45	SMP Level 2 Assembly towards more effective System Engineering and MBSE (HT Pham - Spacebel)	15:45	Introduction to Interactive Session	15:45	Closing of SESP2023
16:15	Coffee Break <i>Location: Exhibition Area</i>	16:15	Coffee Break <i>Location: Exhibition Area</i>		
16:45	Tool Vendors & Poster Presentations	Session 6 - Interactive			
17:45	Welcome Drink <i>Location: Exhibition Area</i>	16:45 - 18:15	Interactive session on SESP Spotlight - Digitalisation		
		18:30	Conference Dinner <i>Location: ESTEC Main Restaurant</i>		