

15th ESA Workshop on Avionics, Data, Control and Software Systems ~ ADCSS2021

Thursday, 18 November 2021

Consolidated and emerging OBC and Data Handling systems - Let's Get Digital (14:00 - 18:00)

time	[id] title	presenter
14:00	[36] Welcome & Introduction by Session Chair	FERNANDEZ LEON, Agustin MOURRA, Olivier
14:05	[37] OBC, Data Handling and Microelectronics technology 2021 roadmaps	Mr FERNANDEZ LEON, Agustin MOURRA, Olivier
14:30	[38] Deterministic Ethernet as Enabler for Integrated Modular Avionics in the International Habitat	Mr MÄKE-KAIL, Matthias
14:55	[39] GOMX5 Advanced P/L including new European space components	Mr SAMUELSSON, Arne Mr KOBYŁKIEWICZ, Artur Mr BEZERRA, Eduardo Augusto Mr WAWRZASZEK, Roman
15:20	Coffee Break	
15:45	[40] Evolution and impact of AI in space systems of systems	Ms VASILEIA NTAGIOU, Evridiki
16:10	[41] RISC-V: first steps into space	WEIGAND, Roland
16:35	[42] AI-based Anomaly Detection and Prognosis for P/F intelligence and autonomy	Mr ALES, Filippo
17:00	[43] Enhanced FDIR and new concept of space segment Operations through ML-based on board enabling technology	Mr CIANCARELLI, Carlo Mr CASCONI, Domenico Mr CORALLO, Francesco Mr RUSSO, Francesco
17:25	[57] ML-based models and advanced learning architectures for on board spacecraft mission critical applications	Mr ROVATTI, Riccardo
17:50	[58] Closing ADCSS2021	