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

Wednesday, 17 November 2021

Artificial Intelligence for space software: applications, challenges, V&V - Let's Get Digital (09:00 - 13:00)

time	[id] title	presenter
09:00	[19] Welcome & Introduction by Session Chair	HONVAULT, Christophe
09:10	[20] AIVIONIC AI techniques in On board Avionics and SW	Mr PARREIRA, Baltazar
09:40	[21] AITAG - Artificial Intelligence Techniques in On-Board Avionics and Software	Mr PASTOR GONZÁLEZ, Antonio
10:10	[22] Trust Through Explainability Of AI Based Space Software	Dr SONG, Jianing Mr AOUF, Nabil
10:40	[23] Handbook: Machine Learning Qualification	Mr BRAUER, Uwe
11:10	Coffee Break	
11:40	[24] Development methods and deployment of machine learning model inference for two Space Weather on-board analysis applications on several embedded systems	Mr MARQUES, Hugo Ms FOERSTER, Kyra Mr BARGHOLZ, Malte Dr TALI, Maris
12:00	[25] Methods and deployment of machine learning on several embedded systems	Mr DENGEL, Ric
12:20	[26] Orchestrating AI/ML applications in space using SpaceCloud Framework	Mr BRUHN, Fredrik Ms ANLIND, Alice
12:40	[27] Conclusion & Way Forward	HONVAULT, Christophe