European Workshop on On-Board Data Processing (OBDP2019)

Tuesday, 26 February 2019

Deep Learning in On-Board Systems - Erasmus (09:30 - 12:30)

-Conveners: David Steenari

time	[id] title	presenter
09:30	[48] Techniques of Artificial Intelligence in Space Applications - A Survey	MESS, Jan-Gerd
09:50	[36] Deep Learning for enhanced on-board mission autonomy	Dr FERUGLIO, Lorenzo
10:10	[65] Technology trends and capabilities for maximizing useful throughput per downlinked data unit by enabling onboard image processing	Dr THORVALDSEN, Andreas
10:30	[68] An Experimental Analysis of the Opportunities to Use Field Programmable Gate Array Multiprocessors for On-board Satellite Deep Learning Classification of Spectroscopic Observations from Future ESA Space Missions	Dr TSAGKATAKIS, Grigorios
10:50	Coffee Break	
11:10	[71] On-board FPGA- based Deep Neural Networks processing unit	Mr CZYZ, Krzysztof
11:30	[73] Integrating AI Techniques Into Future Nanosatellite Onboard Data Processing	Dr IRELAND, Murray
11:50	[85] Neural Networks Design and Deployment for Constrained Embedded Systems with N2D2 Framework	BICHLER, Olivier
12:10	[86] CloudScout: In Orbit Demonstration of Machine Learning applied on hyperspectral and multispectral thermal imaging	ESPOSITO, Marco