

EDHPC 2023 - European Data Handling & Data Processing Conference

Wednesday, 4 October 2023

Poster Session - Espace Gould (14:00 - 16:00)

[id] title	presenter	board
[147] Serval: A new chapter of on-board data processing with Versal ACAP-based units	KULIGOWSKI, Piotr CZERWINSKI, Robert	
[108] Mytikas demonstration of NG-Ultra with DDR4 for high memory bandwidth	MEGE, Alexandre	
[257] ICUS – ADHA ICU System Controller Module Concept	BARGHOLZ, Malte	
[111] End-to-end data collection, handling and processing for JUICE RPWI LP: from hardware to L1a science data products	BENKO, Ilona	
[35] On-board Control Unit for Space Experiments	KRASA, Rafał	
[50] CO2M Payload Data Handling Subsystem	Mr DE GIORGI, Giovanni Battista Mr WEINERT, Martin	
[51] Embedded cloud segmentation using AI : Back on years of experiments in orbit on OPS-SAT	KERVENNIC, Erwann	
[190] YPSat's On-Board Computer & Data Handling	DE SOUSA, Kevin OKSBOEL THERKELSEN, Magnus NOGD, Suhail	
[23] Performance Evaluation of Space-Grade FPGA Architectures	Dr SPINDELREIER, Christian USTAOGLU, Buse KULAU, Ulf BISCHOFF, Ole RUST, Jochen	
[40] ECSS-E-ST-50-15C update - CAN FD evaluation	VALVERDE CARRETERO, Alberto	
[53] Prediction of geomagnetic events from solar wind data using Deep Learning	MAGLI, Enrico LO SCHIAVO, Maurizio TELLONI, Daniele NICOLINI, Gianalfredo FINESCHI, Silvano	
[73] A fully automated framework to accelerate Deep Learning deployment on edge devices	FONTANA, Federico	
[127] New rad-hard high frequency PLL synthesizer IC		
[52] A 22 nm 15 mW AI Accelerator to Enable On-Orbit Neural Network Inference for low-end CubeSats	Mr BOONS, Bert Mr IBRAHIM, Ehab Dr DE ROOSE, Jaro Mr JADHAV, Ninad Mr HOSKENS, Stijn Dr DEKKERS, Gert Dr WOUTERS, Jasper Dr CAO, Ying	

[59] Acinonyx: A Fault-tolerant High-performance Microprocessor in 28-nm FD-SOI for Long-term Space Missions	Mr MOUNIR MAHMOUD, Mohamed Prof. PRINZIE, Jeffrey Prof. LEROUX, Paul	
[171] The Radiative Transfer Equation inversion on FPGA. The case of the Photospheric Magnetic field Imager	Dr MORALES FERNÁNDEZ, José M.	
[32] EDGX-1: A New Frontier in Onboard AI Computing with a Heterogeneous and Neuromorphic Design	DESTRYCKER, Nick	
[56] Towards a Parallel Benchmark for Space Applications: Distributing OBPMark's Image Processing	ELBARRAWY, Mahmoud M. LÜDTKE, Daniel	
[156] Error Rate Estimation of DDR4-SDRAM Buffers in Space Mass Memories	DIRKES, Timo SPINDELDREIER, Christian GRUERMANN, Kai RUST, Jochen Dr WYRWOLL, Vanessa	
[164] Panorama of Airbus DS Space Products France data handling products and technologies	LEROY, Benoit	
[174] In Retrospect: Implementing a Custom SpaceWire Driver	MÅRTENSSON, Björn	
[68] Payload Computer based on PolarFire SoC	Mr FASSI, Chedi	
[173] Characterisation of RFSoc Gen 3 data converters for satellite RF payloads	Mr THERKELSEN, Magnus Oksbøl	
[84] NG-Ultra Application Development Ecosystem	LE PENVEN, Marion	
[131] Robust Reconfiguration of Routing Interconnection Network in APSoc Devices	DARVISHI, Mostafa	