# European Workshop on On-Board Data Processing (OBDP2019)

# Wednesday, 27 February 2019

### Devices and IP for On-Board Data Processing - Erasmus (09:00 - 12:50)

-Conveners: Agustin Fernandez Leon

| time | [id] title | presenter |
|---|---|---|
| 09:00 | [70] Microchip ARM Solutions for Space - From COTS to Rad-Hard by Design System-on-Chips | GANRY, Nicolas |
| 09:20 | [34] Teledyne e2v Radiation Tolerant COTS+ Space Microprocessors - De-risking the introduction of ARM based solutions | GUILLEMAIN, Thomas Mr BALL, Mikael |
| 09:40 | [84] NX RHBD FPGA solutions for OBDP applications | LE MAUFF, JOEL |
| 10:00 | [59] Using Heterogeneous Computing on GPU Accelerated Systems to Advance On-Board Data Processing | Mr TSOG, Nandinbaatar |
| 10:20 | [19] High Performance Data Processor (HPDP) - Image Processing Applications of a New Generation Space Processor | Mr HELFERS, Tim Mr PAPADAS, Constantin |
| 10:40 | [64] RC64-Based NOGAH Systems: Enabling Software Defined Satellite Payloads | GINOSAR, Ran |
| 11:00 | Coffee Break | |
| 11:30 | [35] Reliable multi-processor hardware design | Dr RAUWERDA, Gerard |
| 11:50 | [25] ASIC solution for Software Defined Radio regenerative payload | Mr GAZELLE, David Mr ABRAHAM, Thierry |
| 12:10 | [20] Fast Fourier Transform at 100 Msamples/sec with the SkyFFT ASIC | VOLLMULLER, Bert-Johan |
| 12:30 | [31] Embedded GPU benchmarking for High-Performance On-board Data Processing | Dr KOSMIDIS, Leonidas |