

Software Systems Division  
&  
Data Systems Division  
  
Final Presentation Days

7-9 December 2015

Newton 2

14:00 Emulators of Future NGMP Multicore Processors

14:50 PROARTIS for Space

*15:40 Coffee break*

16:00 mobiPV

16:50 Software Elements for Security – Partition  
Communication Controller

*17:40 End*

09:10 SOIS Communication Architecture – TAS-F

10:00 SOIS Communication Architecture – OHB

*10:50 Coffee break*

11:10 SOIS Communication Architecture – Airbus DS

12:00 Software Development Environment for the EGS-CC

*12:50 Lunch break*

14:00 TASTE evolution and Integration of High Level Synthesis Flow

14:50 Introduction of Verification Tools in TASTE

*15:40 Coffee break*

16:00 Leon3-based Onboard Instrument Software:  
A case study using TASTE

16:50 Integrating the Simulink Qgen Qualifiable Code  
Generator in the TASTE Framework

*17:40 End*

09:10 On-Board Software Architecture for Payloads (OSRA-P)

10:00 IMA-System Design Toolkit

*10:50 Coffee break*

11:10 Model-based Software Development Lifecycle

12:00 Protocol Validation System (PVS) for On-Board  
Communications: Extensions and Evolutions to EGSE  
Requirements

*12:50 Lunch break*

14:00 COTS based Space Borne Computer

14:50 High Reliability COTS Computer

*15:40 Coffee break*

16:00 Essential Telemetry Support ASIC + Development of a Miniaturized Essential Telemetry Unit based on ETM ASIC for Mini-Satellite

16:50 On-line testing and healing permanent radiation effects reconfigurable systems

*17:40 End*

*CAN in Space*

**10 March 2016**

**Newton Conference Centre**

**ESTEC**

*Final Presentation Days*

**09 & 10 June 2016**  
**Einstein**  
**ESTEC**



## *ADCSS 2016*

*Workshop on Avionics, Data, Control and Software Systems*

**18, 19 and 20 October 2016**  
**Newton Conference Centre**  
**ESTEC**

Website: <http://adcss.esa.int>

*If you would like to stay up to date of our  
Future Events, please register via:  
[lists.estec.esa.int/lists/](https://lists.estec.esa.int/lists/)*