

Software Systems Division
&
Data Systems Division

Final Presentation Days

09 & 10 December 2014

Newton 2

08:50 Introduction

09:00 Design Against Radiation Effects - ASICs for extremely rad hard & harsh environments (DARE+)

09:50 Cryptographic Processor for Control of Telecom Processing Payloads

10:40 Coffee break

11:00 Study of Augmented Reality Enabled Collaboration for In-Flight Maintenance Training

11:50 Functional Simulation in Support of Model-Based System Engineering

12:40 Lunch break

13:30 Hardware-Software Dependability for Launchers

14.20 OBC Simulator Architectures and Interfaces to System Test Benches / LEON SVF

15:10 Coffee break

15:30 EGS-CC Procedure Exchange with OTX

16:20 Complementary Validation of SCOC3 BSW

16:50 Performance-monitoring counters for real-time multicore systems: analysis of the state of the art and initial proposal

17:40 End

08:25 Introduction

08:30 Avionics System Integration and Validation – CFDP
Reference and Test Facility Tasks

09:20 SpaceWire Backplane activity

10:10 Network Discovery Protocols

11:00 Coffee break

11:20 Advanced Memory Controller and Embedded File
System Manager IP Cores

12:10 Development of new SystemC IP Models and OCP-IP
Sockets

13:00 Lunch break

- 14:00 Ultra Wide Band as a multipurpose Robust and Reliable Wireless Technology for Testing, Spacecraft and Launcher Communications
- 14:50 Robust UWB Wireless
- 15:40 Source code static analysis of the IXV OBSW (on board software) using a SonarQube based code quality platform
- 16:20 *End*

Workshop on Simulation and EGSE facilities for Space Programmes – SESP2015

24, 25 & 26 March 2015

Newton Conference Center

ESTEC

Registration opens: 15/12/2014

Website: <http://congrexprojects.com/2015-events/15c06/introduction>

Final Presentation Days

May / June 2015
Newton Conference Centre
ESTEC

ADCSS 2015

Workshop on Avionics, Data, Control and Software Systems

20, 21 and 22 October 2015
Newton Conference Centre
ESTEC

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