

ADCSS 2013 “Logic”

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ESTEC
22/10/2013



Co-organisers:

- K. Hjortnaes TEC-SW
- A. Benoit TEC-EC

.... And many colleagues
from ESTEC

On-board Computers and Data Handling Monitoring and Control, AOCS Software Applications

were considered for a long period as parallel disciplines

This situation changed for two main reasons:

- A re-organisation at D/TEC level that placed the two first ones in the “Electrical Engineering” department and moved Software related matters to the “Systems department”
- The perception that each domain got a system dimension on its own, in its turn part of a higher level sub-system

Today's split of fields of competency and responsibility within D/TEC

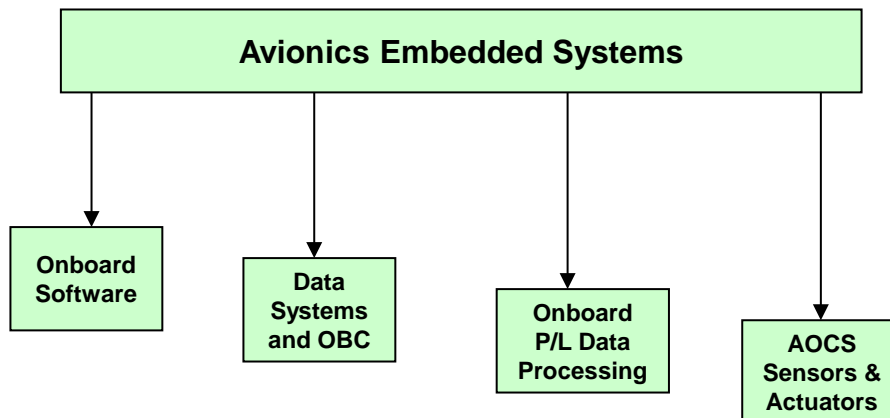
Data Systems

Control Systems

Software Systems

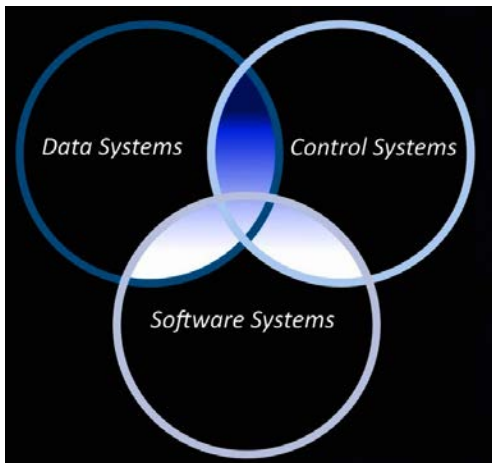
Need to establish further cross-sectorial cooperation:

- Via an Avionics Systems Group (ASG) within ESTEC focusing on Avionics Embedded systems
- By defining roadmaps as documented in the AES Harmonisation dossier (last update 2010)

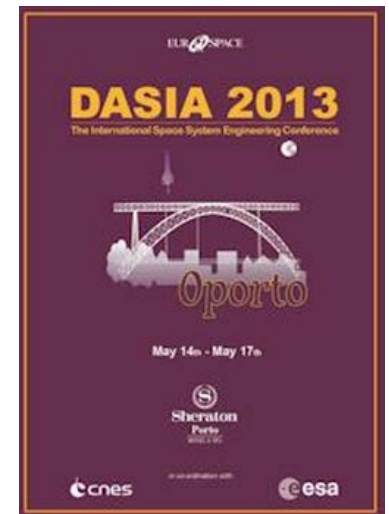


A further step was then to launch a forum to extend the Estec internal “Avionics System Group (ASG)” to other Agencies and Industry, leading naturally to organise a workshop in order to foster communication between stakeholders.

The main goal is to address globally the three disciplines (SAVOIR) and their intersections or shared interests through dedicated sessions/tracks & roundtables



ADCSS, organised by ESA has a different objective than DASIA, organised by Eurospace and is meant to be fully complementary.



ESA Workshop on
Avionics
Data
Control
Software
Systems

ESA/ESTEC
<http://adcss.esa.int>

Previous Editions

- ADCSS 2007
- ADCSS 2008
- ADCSS 2009
- ADCSS 2010
- ADCSS 2011
- ADCSS 2012

7th ESA Workshop on Avionics, Data, Control and Software Systems - ADCSS 2013

22-24 October 2013
 European Space Research and Technology Centre (ESTEC)
 Europe/Amsterdam, timezone

ADCSS 2013	
Scope & Topics	
Important Dates	
Workshop Committee	
Timetable	
Book of abstracts	
Keynote Speakers	
Exhibits	
Registration	
↳ Registration Form	
Venue & Practical Information	
Accommodation	
Previous Workshops	
For information please write to Bertilla Sinka ✉ bertilla.sinka@esa.int	

The 7th ESA Workshop on Avionics Data, Control and Software Systems (ADCSS-2013) covers topics related to avionics for space applications, in the form of a set of round tables. The workshop acts as a forum for the presentation of position papers followed by discussion and interaction between ESA and Industry and between participants. Each theme part of ADCSS workshops will be first introduced and then expanded by presentations on related developments from technical and programmatic points of view. A round table discussion follows, concluded by a synthesis outlining further actions and roadmaps for potential inclusion into ESA's technology R&D plans.

Attendance to the workshop is free of charge. Registration is required via this website not later than October 14th, 2013--> Registration extended until 17th of October incl. Large exhibitors area is foreseen. Companies wishing to exhibit products or related developments are invited to contact the ADCSS 2013 organiser **Bertilla Sinka** for further information.

All material presented at the workshop must, before submission, be cleared of any restrictions preventing it from being published on the ADCSS web-site.

🕒 Starts 22 Oct 2013 08:30
 Ends 24 Oct 2013 18:00
 Europe/Amsterdam

📍 European Space Research and Technology Centre (ESTEC)
 Newton
 Keplerlaan 1
 2201AZ Noordwijk ZH
 The Netherlands

👤 Mr. Benoit, Alain
 Mr. Hjortnaes, Kjeld
 Mr. Ambruster, Philippe

ESA Workshop on
Avionics
Data
Control
Software
Systems

Exhibition

ESA/ESTEC
<http://adcss.esa.int>

In general, sessions are structured according to the following format:

- An introduction – tutorial or presentation on the overall status of a technology domain
- TEC, Projects and Industrial presentations
- Discussion – round table
- Presentation of a road map or synthesis of discussions

Note : all material presented during sessions is intended to be published in the proceedings

ADCSS 2013 : Agenda - Sessions



- Space Avionics Open Interface Architecture: SAVOIR - 22 October AM
- Control Area Network: CAN Bus in Space - 22 October PM & 23 October AM
- Avionics Based on Ethernet Networks: ABEN - 23 October PM
- High Performance Computing for Guidance Navigation and Control (GNC) - 24 October AM
- Software Factory - 24 October PM

Exhibition will open on Tuesday after lunch – and around coffee breaks

The poster features the ESA logo at the top right. Below it, the text 'ESA Workshop on' is followed by the acronym 'ADCSS' where each letter is a large, bold, blue font. The letters are stacked vertically: 'A'vionics, 'D'ata, 'C'ontrol, 'S'oftware, and 'S'ystems. Below the acronym, the word 'Exhibition' is written in a smaller, italicized font. At the bottom, there is a Venn diagram with three overlapping circles labeled 'Data Systems', 'Control Systems', and 'Software Systems'. The text 'ESA/ESTEC' and the URL 'http://adcss.esa.int' are also present.

Tuesday 22nd at 18:00 in The "Foyer", next to Newton



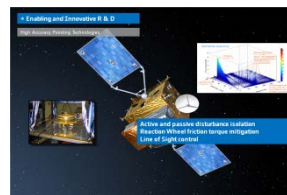
Exhibition will open on Tuesday after lunch – and around coffee breaks - In Room Einstein



Data Systems



Control Systems



Software Systems

