

Opening conference:

Tests cost reduction and European cooperation in french DGA - P. BASCARY - DGA

Plenary Session

- 1 Clean Sky. An ambitious research programme to reduce the impact of aviation on environment. D. OLLINGER - Airbus
- 2 How Testing contributed to the A380 Certification. V. RIVRON - Airbus
- 3 iNET Overview - W. COOKSON - DOD - iNET program manager
- 4 The Economic Importance of Adequate Aeronautical Telemetry Spectrum – Why Countries Should Care - Carolyn KAHN - The MITRE Corporation

SESSION N°1: Test ranges, test methods, measurement devices - Chairman: G.DESTARAC - AAAF

- 1 - 1 Modifications and equipments of two new aircraft for airborne research- Marc PONTAUD - SAPHIRE
- 1 - 2 CEAT involvement in Airbus A380 major structural certification Testing - Alain GOZLAN - CEAT
- 1 - 3 Helicopter Blade Dynamic Behaviour Under Centrifugal Load - Lucien MISTRAL - EUROCOPTER
- 1 - 4 Process validation for M51 experimental avionics systems - Fabric BLONDEAU - EADS Astium
- 1 - 5 Testing of flight display for uninhabited air vehicles to be used for geophysical survey mission - Michael HARRIS - University of South Australia
- 1 - 6 SYMEO: A High Accuracy Airborne Test And Measurement System For Video Recording - Philippe ROSE - Sodielec
- 1 - 7 High temperature material dielectric characterization - Sylvie FARGEOT - EADS Astrium
- 1 - 8 SILICON MEMS PRESSURE SENSORS FOR AEROSPACE AND SPACE APPLICATIONS - Stefan WERNER, Bjorn Erik SEEBERG - Presens AS.

SESSION N°2: Test data acquisition and recording - Chairman: J.Y. PLASSE - Airbus

- 2 - 1 XidML – Two Years On -Vincent DUPERREY, Diarmuid CORRY - Acra Control
- 2 - 2 Universal Modular Acquisition System Configuration - Xavier DELARUE, Ghislain GUERRERO, Alain GUIDEZ - IN-SNEC
- 2 - 3 Testing With Multiple Data Sources Using IRIG 106 Chapter 10 Live Data Streaming - Michael LOCKARD -EMC Corporation, Tim CHALFANT - Air Force Flight Test Center
- 2 - 4 Presentation of the flight test video system on A400M - Gwenael RAGUENES - Airbus
- 2 - 5 Flight Monitoring with OCAM an on line camera system - Marc ROY, Christophe LANNIC - Arianespace - Guenter FRICKE, Horst PFEUFFER - KAYZER-THREDE GmbH
- 2 - 6 A Design of Special Recording and Playback System - Xiurui Sun, Bing Gong, Anju Tan - China Academy of Engineering Physics
- 2 - 7 The airborne solid recording system which is realized with PC104 bus, The airborne solid recording system which is realized with PC104 bus - Fan Xuming, Bai Xiaoxian, Sheng Yong - Chinese Flight Test Establishment

SESSION N° 3 : Test data processing and analysis - Chairman: C. HERBEPIN - Eurocopter

- 3 - 1 Flight Data Analysis Process With Digital Lines - Pierre LACUBE, Isabelle MINIAU - Eurocopter
- 3 - 2 Multi-purpose Plotting and Computation Tool to Improve Test Analysis and Validation - Philippe NICOLAS, Denis FIELOUX - Dassault Aviation
- 3 - 3 ATOLE: a management tool for the flight test data reduction processes - Olivier HODAC Airbus
- 3 - 4 Multi-Platform real-time data Display - Gilles K/BIDY - L-3 Communications
- 3 - 5 Monitoring Parameters From Data Acquisition System Based On Ethernet Protocol - Gustavo OLIVEIRA, Tamara BARROS, Luiz Fernando SOUZA - Embraer
- 3 - 6 Tests costs saving by improving the technical data management - Etienne CAVRO, Diane JOLY - Intespace
- 3 - 7 Operational Modal Analysis for Aerospace Structures - Alain GIRARD, Etienne CAVRO, Joseph MERLET - Intespace
- 3 - 8 Algorithm to Improve Performance for Displays of Sampled Waveforms - Michael SULLIVAN, David KOTICK - Astromed Inc.
- 3 - 9 A Fast Target Location Method and Location Precision Analysis for UAV SAR - Xiangwu Gao, Zhengguang He - Institute of Beijing Space Navigation Engineering

SESSION N°4: Test tools and simulation - Chairman: F. COUVERCHEL - Airbus

- 4 - 1 Systems Integration Benches For AIRBUS Programs - Jean-Pierre MAO - Airbus
- 4 - 2 Concepts of long-living Test and Integration Facilities for Aircraft Systems - Karl AMBRUS - Military Air Systems
- 4 - 3 SIB - A380 & A400M Real Time System Integration Benches Generic Bench Concept For AIRBUS Applications - Bruno CHADUTEAU, Michel HOLLINGER, Alain THIBAUT - ISIS
- 4 - 4 Airbus Aircraft integration benches refurbishment - Laurent VIARD, Nicolas FAVARCQ - EADS TEST & SERVICES

SESSION N° 5: Electromagnetic Compatibility - Chairman: C. CAREL - Thales

- 5 - 1 High Power Antenna Specifically Designed For INTA Reverberation Chambers Use - Sergio FERNANDEZ, Manuel ANON - INTA
- 5 - 2 Sensors for monitoring and logging electromagnetic field strength for personal safety and cohort (epidemiological) studies - Franck LEFERINK - THALES - University of Twente
- 5 - 3 In-situ High Field Testing using a transportable Reverberation Chamber - Franck LEFERINK - THALES - University of Twente
- 5 - 4 Test in reverberation chamber - Application with a VIRC - Alain ALCARAS, Nolwenn GOUEDARD, Geneviève DEVILLE - THALES

- 5 - 5 On the use of numerical simulation to estimate the qualification field levels in the EMILIE reverberation chamber - Marie NOUVEL, Cécile DORGAN, Alexandre LAISNE, Amar SAÏDANI - DGA / CEAT
- 5 - 6 On The Use Of The Hatfield Technique For EM Qualification Of Large Aircrafts - Alexandre LAISNE, Frédéric TAVERNES, Marie NOUVEL, Amar SAÏDANI - DGA / CEAT
- 5 - 7 Introducing A New Test Method For Aircraft Electromagnetic Certification - David DECHAMBRE, Fabrice TRISTANT - DASSAULT AVIATION.
- 5 - 8 QUERCY: Combination of Measurements and Simulation in the Electromagnetic Evaluations and Studies - C.GIRARD, THALES - P.HOFFMANN, DGA - V. GOBIN, ONERA
- 5 - 9 Une methode de terrain pour la maitrise de l'environnement electromagnetique des systèmes perturbés - Daniel SOLEIL - CEMS - Alain ALCARAS - THALES

SESSION N°6: Telemetry frequency (spectrum management) - ICTS - Chairmen : Jean ISNARD - Gherard MAYER

- 6 - 1 Introduction to the ICTS - Gerhard MAYER - ICTS
- 6 - 2 ICTS regional reports - Jean-Claude GHASSIA, Mikel R. RYAN, Michael HARRIS - ICTS
- 6 - 3 CEPT views regarding the WRC 07 agenda item 1.5 - Didier PETIT
- 6 - 4 Count down to WRC 2007
 - Results of the CPM regarding AI 1.5 - Alain DELRIEU
 - The ICTS-WRC Booth, E57Logistics and Operation - Darrell ERNST - The MITRE Corporation
- 6 - 5 Promoting International Range Cooperation - Tim CHALFANT - Air Force Flight Test Center - A.K. CHECKER - Integrated Test Range, Chandipur - Doug GERRIE - Woomera Test range.
- 6 - 6 The ICTS and the WRC 2011 - Gerhard K.L. MAYER, Darrell E. ERNST - ICTS

SESSION N° 7: Telemetry systems - Chairman: F. COPPOLA - EADS

- 7 - 1 The Telemetry System of Chinese Future Launch Vehicle - Xiangwu GAO, Min LIN, Hongping XU, Zhengguang HE - Institute of Beijing Space navigation Sustum Engineering.
- 7 - 2 Symbol-level Iterative Soft-Decision Decoding of Reed-Solomon Codes Based on Cooperative Optimization Algorithm- Zhijian YU, Hongrui FANG, Suquan DING - Beijing Institute of Tracking and Telecommunication Technology - Xiaofei HUANG - Tsinghua University
- 7 - 3 Development of an application with ZigBee protocol applied in Flight Test Instrumentation - Luis TEIXEIRA - Embraer.
- 7 - 4 IEEE1588 - A solution for Synronization of Networked Data Acquisition Systems - Dave HEYES - Acra Control
- 7 - 5 A Flight Test rfNET Plan Based on Radio Network,A Flight Test rfNET Plan Based on Radio Network - Bai XIAOXIAN, Fan XUMING, Zhao BAOQIANG - Chinese Flight Test Establishment.
- 7 - 6 1588-ENHANCED VEHICLE NETWORK CONCEPT DEMONSTRATION - Thomas GRACE - NAVAIR
- 7 - 7 Flight Tests Data Acquisition based on Satcom Systems: Features and Feasibility - Tiago Giglio RODRIGUEZ - Instituto Tecnologico de Aeronautica - Rio de Janeiro
- 7 - 8 Implementation of an advanced satellite receiver based on particle filter for low SNR Eric FILLEAU, Henry CHANDRAN, Jérôme LEBEGUE, Guy LESTHIEVENT - NAVTEL SYSTEMS
- 7 - 9 High-G telemetry system and soft recovery recording system for interior and exterior ballistics characterization of tank munitions - Boris FLYASH, Mauricio GUEVARA, Steve PLATOVSKIY, Dominick CANTATORE - US Army Research Development and Engineering Center.
- 7 - 10 Current task within the USRCC Telemetry group - Tim CHALFANT - Air Force Flight Test Center
- 7 - 11 Spectrum Efficient Technology Development Projects - Ronald STREICH

SESSION N°8 : Propagation - Antennas - Chairman : JL. GUIRAUD - ENSICA

- 8 - 1 Modeling Results for Multipath Interference in Aeronautical Telemetry Over Water - Michael RICE, Qiang LEI - Brigham Young University
- 8 - 2 On The Use Of Blind Array Processors For GNSS Interference Cancellation - Guillaume CARRIE - SILICOM , François VINCENT - ENSICA, Thierry DELOUES - ONERA, David PIETIN - LRBA
- 8 - 3 Integration of antennas onboard vehicles by computation - André BARKA - ONERA
- 8 - 4 A Global Conformal Antenna (ACG) For Localization (GPS and Radar Responder), Telemetry And Neutralization Telecontrol Transmission On A Flight Test Missile - Serge VILLERS - ASTRIUM
- 8 - 5 Conception d'antennes multi-capteurs compactes et Applications MIMO - Sophie VERGERIO, J-P. ROSSI - France Telecom, P. SABOUROUX - Institut Fresnel
- 8 - 6 Fast test technique to reduce near field antenna patern measurement time - Adaptation to AAS Toulouse Near Field Antenna Test Range -Jean-Marc LOPEZ (Cnes); Frederic VIGUIER, Christian FEAT (Alcatel Alenia Space Toulouse), Luc DUCHESNE, Ludovic DURAND, Philippe GARREAU (Satimo).
- 8 - 7 Integration of antenna on composite materials - Homen SCHIPPERS