

Monday, 14th / Tuesday 15th

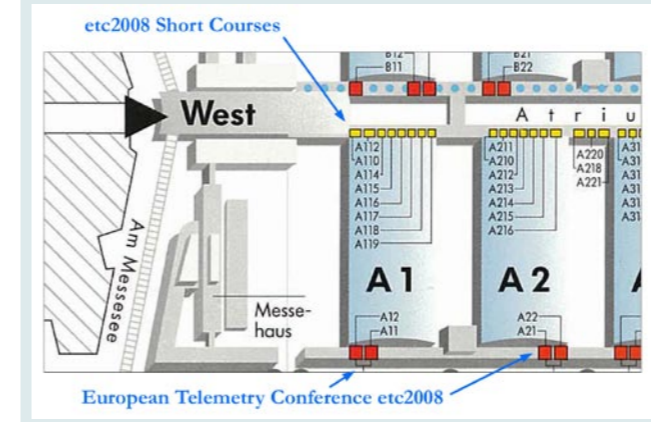
European Telemetry Conference etc2008	
<b>Monday, 14. April 2008</b>	
Meeting Room „A110“	
9:30 – 12:30	<b>Overview of IRIG-106 Telemetry Standards</b> presented by Tim Chalfant, US Air Force Flight Test Center, et al.
Lunch Break	
14:00 – 17:00	<b>INET Course</b> presented by David Hodack, NavAir, et al.
<b>Tuesday, 15. April 2008</b>	
Meeting Room „A12“	
Opening Session	
10:00	<b>Welcome and Opening Addresses</b> President of the European Society of Telemetering Werner R. Lange, Lange-Electronic GmbH Chairman of the European Telemetry Conference etc2008 Guenter Müller, EADS Germany Co-Chairman of the European Telemetry Conference etc2008 Steve Lyons, QinetiQ
10:30	<b>An Assessment of Minimal Capital Investments to Maximize Spectrum Efficiency</b> Derrick Hinton, Test Resource Management Center
11:00	<b>Picture and Telemetry Transmission on Race Aircrafts on the Red Bull Air Race Series 2008</b> dpl. Et. Ing. HTL Marco Biner, SkyMedia AG
Lunch Break	
ICTS Session	
13:00	<b>Welcome of ICTS chairman &amp; introduction</b> Gerhard Mayer, University of Salzburg
13:30	<b>The ICTS, 10 years of intensive work towards the WRC 2007</b> Darrell Ernst, The MITRE Corporation & Gerhard Mayer, University of Salzburg
14:00	<b>WRC 2007 : Results for AI 1.5, summary of articles &amp; resolutions</b> relevant to Flight Test Telemetry Martin Weber, Bundesnetzagentur
<b>Report Region 1 (Europe + Africa)</b> Jean-Claude Ghnassia, ICTS <b>Report Region 2 (the Americas)</b> Mikel Ryan, Naval Air Warfare Center Aircraft Division <b>Report Region 3 (Asia + Pacific)</b> Michael Harris, University of South Australia	
Coffee Break	
15:30	<b>New telemetry spectrum – use it or lose it</b> Frank Klitchen, BAE Systems
16:00	<b>Round table discussion</b> Steve Lyons, QinetiQ
Meeting Room „A11“	
Session: Data Management	
14:00	<b>Incorporation of Measurement Science into Flight Test Instrumentation</b> Timothy A. Chalfant, US Air Force Flight Test Center
14:30	<b>Early integration of telemetry systems with a model based test approach</b> Rainer Grimm, Berner & Mattner Systemtechnik GmbH
Coffee Break	
15:30	<b>A Web Search Engine to Flight Test Data</b> Antonio Magno L. Espescht, EMBRAER Flight Test Division
16:00	<b>Data-Management: Generating Information out of data</b> Dipl. - Inform. (FH) Alexander Löw, Data-Warehouse GmbH
Meeting Room „A21“	
Session: Biotelemetry	
13:30	<b>Intra corporal Temperature Telemetry Using a Passive Transponder</b> Dr. Francis Rodes, University of Bordeaux
14:00	<b>Telemetry for an intra-oral Drug Delivery System</b> Dr. Oliver Scholz, Fraunhofer IBMT
14:30	<b>Real-time tracking of moose using GPS and GSM telemetry in Scandinavia: Internet based database and mapping tools for foresters and hunters</b> Dr. Holger Dettki, Swedish University of Agricultural Sciences
Coffee break	
15:30	<b>15 years' satellite tracking of raptors</b> Prof. Dr. Bernd-U. Meyburg, WWGBP

Wednesday, 16th

Wednesday, 16. April 2008	
Meeting Room „A12“	
Session: Data Link	
09:00	<b>Hardware considerations for a particle filter based demodulator – only on CD Rom</b> Henry Chandra, NAVTEL SYSTEMS SA
09:30	<b>Improving the Accuracy of Real-time PCM Test Data Using Adaptive Best Data Engine Technology</b> Ciaran O'Shea, Wyle Laboratories
10:00	<b>Baseband PC/MFM Link Enhancement</b> Sinbad Wilmot, ACRA CONTROL
Coffee Break	
11:00	<b>On Iterative Equalization in Aeronautical Telemetry</b> Professor Michael Rice, Brigham Young University
11:30	<b>Architectural Optimization in Satellite TCR Systems through Reliability Analysis</b> Erdem Demircioglu, Turksat AS
12:00	<b>Conformity Assessment for Wide Band Data Transmission Equipment under EU MRAs</b> Dipl.-Ing. Uwe Kartmann, CETECOM ICT Services GmbH
Lunch Break	
14:00	<b>Real Time Telemetry Options for Ocean Observing Systems</b> Bridgett Benson, University of California Santa Barbara
14:30	<b>Integration approach and flight testing of a wide band data link within a multi-link network study</b> Andrea Marry, EADS Military Air Systems
Coffee Break	
15:30	<b>Wave propagation above realistic ground for data link simulation of combined wing tip antennas</b> Reinhard Janssen, EADS Deutschland GmbH
16:00	<b>Advancements in Digital Receiving technology with Telemetry Processing System Applications</b> Tom Leisgang, Wyle Laboratories
16:30	<b>Encrypted Data Transmission in Telemetry System</b> Dipl.-Ing. Miao Lücheng, Beijing Institute of Tracking and Telecommunication Technology
Meeting Room „A11“	
Session: Applications	
09:00	<b>Space-Based Relay Telemetry System Design of Launch Vehicle</b> Dr Gao Xiangwu, China Academy of Launch Vehicle Technology
09:30	<b>Lessons learned from software scalable conditioning and acquisition units on ARIANE5 launcher and outlooks for the telemetry system enhancement.</b> Thierry NOBLET, EADS ASTRIUM
10:00	<b>AJAX: A New Twist On Existing Technologies</b> Mike Gilorma, Apogee Labs
Coffee Break	
11:00	<b>Ground Based Facility for the Support of Flight Tests Requiring MDS Data</b> Dr. Jürgen Zweigle, EADS DS / MAS
11:30	<b>Non-Intrusive Airborne Wireless Instrumentation Demonstration</b> Dennis Manning, USAF
12:00	<b>A Novel Programmable Signal Emulator System for an Airborne PCM Data Acquisition System</b> Dr. Paiva Oliveira Leite Nelson, CTA-GEEV P&D
Lunch Break	
Session: Ground Systems	
14:00	<b>Best Source Selection - A Next Generation Implementation</b> Steve Nicolo, GDP Space Systems
14:30	<b>Trends in Ground Station Telemetry Receivers</b> Douglas O'Call, Systems Engineering and Management Company
Coffee Break	
Session: XML	
15:30	<b>Using XML in an FTI Environment</b> Alan Cooke, ACRA Control Ltd.
16:00	<b>Open Forum XML</b> Guenter Mueller, EDAS, Chairman Michal Moore, SWRI Salasz Bogo, Heim Diarmuid Corry, ACRA Joel Sauvaille, IN-Snec

Wednesday, 16th

Wednesday, 16. April 2008	
Meeting Room „A21“	
Session: Data Acquisition	
09:00	<b>Non-Intrusive Data Collection using JRIP pod</b> Dennis Manning, USAF
09:30	<b>Overview of the Instrumentation Data System Used by the F-35 Lightning II Flight Test Program</b> Albert Berdugo, Teletronics Technology Corporation
10:00	<b>Testing Methods of Checking the Correctness of Information Processing in the Avonic Systems Integrated Along the Digital Databus MIL-1553B</b> Msc Eng. Krzysztof Mroszkiewicz, ITWL
Coffee Break	
11:00	<b>Digital Turbine Sensortelemetrie with 296 channels</b> Dr. Ernst Manner, Manner Sensortelemetrie GmbH
11:30	<b>State of the art Flight Test System</b> Truls O. Andersen, Eidsvoll Electronics AS
12:00	<b>A telemetry node for MNEMOSINE, a Flight Test Instrumentation System for Sport Aviation Aircraft</b> Ing Alberto Rolando, Politecnico di Milano
Lunch Break	
Session: GNSS	
14:00	<b>Airborne Test Environment for Galileo Navigation Satellite System</b> Ulf Bestmann, TU-Braunschweig
14:30	<b>Time, Frequency and the Role of GNSS</b> Werner R. Lange, Lange Electronic GmbH
Coffee Break	
15:30	<b>Timing Considerations in Real-Time and Post-Processing of IRIG 106 Chapter 10 Data Streams</b> Michael Lockard, EMC
16:00	<b>Solution for Integration of a DGPS system with an inertial Navigation System (INS) in real time</b> Luis Marcelo Teixeira, Embraer
16:30	<b>System Wide Synchronization in Distributed Data Acquisition Networks</b> Diarmuid Corry, ACRA Control Ltd.
Lunch Break	
Bavarian Dinner in the „Ratskeller München“ – Alte Kuferei (Marienplatz)	



Thursday, 17th

Thursday, 17. April 2008	
Meeting Room „A12“	
Session: UAV	
09:00	<b>UAVs moving from proprietary to networked Systems</b> Jürgen R. Bitner, Industrielanlagen Betriebsgesellschaft mbH
09:30	<b>Optimizing the Data Link For Small Tactical Unmanned Aerial Systems</b> Michael Kulinski, Enerdyne
10:00	<b>Finding spectrum for UAS at the WRC 2011 ? How industries are able to support that process</b> Martin Weber, Bundesnetzagentur
Coffee Break	
Session ETSC	
11:00	ETSC Business Meeting
11:30	ETSC Business Meeting
12:00	ETSC Business Meeting
12:30	ETSC Business Meeting
Lunch Break	
14:00	<b>Education Day</b>
Meeting Room „A11“	
Session: Antennas	
09:00	<b>Research on Antenna Arraying Techniques for China's Lunar Exploration Program</b> Dr. Suquan Ding, Beijing Institutes of Tracking and Telecommunications Technology
09:30	<b>Aerospace Vehicle Geometry Effects on Omni-Directional Antenna Radiation Patterns</b> David Farr, High-Farr, Inc.
10:00	<b>A Novel Defected Ground Structure for Microwave Planar Circuits</b> Lu Liming, Electronic Engineering Institute of China
Coffee Break	
11:00	<b>Phased Array Antennas for Enhancing Mobile Wireless Datalinks</b> Barry Hughes, QinetiQ
11:30	<b>Smoothed antenna movement by using an Alpha-Beta algorithm</b> Klaus Weber, EADS Military Air Systems
Meeting Room „A21“	
Session: Network	
09:00	<b>Measurement-Centric Data Model for Instrumentation Configuration</b> William Malatesta, US Navy
09:30	<b>Network Design Considerations in Telemetry Systems</b> Wayne Klein, Apogee Labs
10:00	<b>Network Based data Acquisition</b> Les Eccles, Boeing Commercial Airplanes
Coffee Break	
11:00	<b>Networked DAU Topologies</b> Diarmuid Corry, ACRA Control Ltd.
11:30	<b>Vehicle Network Technology Demonstration</b> Thomas Grace, INET Program Office
12:00	<b>A System Management in Network-Based Flight Test Systems</b> Michael S. Moore, Southwest Research Institute

