

PRELIMINARY PROGRAM ETTC 2023

V3.4		Tuesday 13 June		Wednesday 14 June	
08:00	REGISTRATION		WELCOME COFFEE		Room Caravelle
09:00	CONFERENCE OPENING : Welcome Introduction Room Ariane		Room Ariane 1 5.1 6235 - Data Driven Platform for Smarter Testing <i>Neil Loftus - Airbus UK Tony Goff - Dassault Systemes UK Cedric Laurent - Dynaworks (Airbus)</i>		Room Ariane 2 6.1 2970 - Application of a low-cost Structural Health Monitoring system to full-scale aerospace testing <i>Ceri Middleton & Peter Lambert & Eann Patterson - University of Liverpool UK Khurram Amjad - UK Atomic Energy Authority Richard Greene- Strain Solutions Ltd UK André Kupferschmid & Edwin Hack - Empa Switzerland Linden</i>
09:30	PLENARY SESSION 9H30 - 10H10 : Fello'Fly <i>Philippe Foucault - AIRBUS</i> (multi awards by the aeronautical community)		5.2 4953 - TESTING OF THE NEW ADVANCED AVIONICS PLATFORM SOFTWARE FOR THE GRIPEN E FIGHTER <i>Maxime DAUDIER - SAAB</i>		6.2 6396 - Digital Image Correlation based measurement in flight, how to deal with variable lighting? <i>Francois Lefebvre-Albaret - AIRBUS Guillaume Colantonio - Expleo Renaud Gras - Eikosim</i>
10:00	10H10 - 10H50 : Cameras of PERSEVERANCE (Rover on Mars) <i>Olivier de Goursac - SAF, Planetary Society</i>		5.3 7835 - AITA. Automatic validation of parameters <i>Francisca Coll & Pedro Rubio - Airbus Defence and Space Spain</i>		6.3 8579 - Time Synchronization for non-conventional Instrumentation Cameras for Flight Test Purpose <i>Jaka Bostner & Luis Antonio Jacob da Motta - Lilium eAircraft GmbH</i>
10:30	Room Caravelle		Room Caravelle		
11:00	Room Caravelle 10H50-11H30 Coffee break / Exhibitions area		Room Caravelle		Coffee break / Exhibitions area
11:30	Room Ariane 1 1.1 718 - Encryption of Telemetry over IP <i>Jean-Guy Pierozak, Cédric Tavernier – Hensoldt Nexeya France</i>	Room Ariane 2 3.1 1981 - MARTA : a new system for launcher localization <i>Quentin Lacoste - CNES</i>	Room Ariane 1 5.4 7691 - Anomaly detection: a first AI-based application for OASIS <i>Fanny Morel, Clémentine Barreyre, Anaïs Charcosset, Oihana Coustie, Jules-Edouard Denis, Linda Hammoud, Bruno Rouzier and Sébastien Zajac – Airbus Defence and Space SAS France</i>	Room Ariane 2 7.1 8760 - A generalist Usage and OLM SHMS data acquisition equipment for diverse aircraft. <i>Jose Antonio Gonzalez Pastrana & Natalia Esteve Ferrer & Jaime Garcia Alonso - Airbus Spain</i>	
12:00	1.2 4094 - Turnstile – A Novel Encryption Scheme <i>Malcolm Weir - Ampex Data Systems Corporation</i>	3.2 6200 - Real-Time Evaluation of an Ultra-Tight GNSS/INS Integration Based on Adaptive PLL Bandwidth <i>Gaël Pages & Benoit Priot & Guillaume Beaugendre - ISAE-SUPAERO France</i>	5.5 8772 - Airbus Defence & Space Solution for TVAC tests data supervision : DynaThermaNeo <i>Thibaut Le Goffic & Rémi Lamandé & Yann Bouetard & Cédric Laurent - Airbus Defence and Space France</i>	7.2 101 - The Light FTI System – the first truly light wireless system for Flight Test Instrumentation <i>Renaud Urli, David Cumer and Ligang Huang - Airbus Germany, France, China</i>	
12:30	Room Caravelle		Room Caravelle		
	LUNCH Exhibitions area		LUNCH Exhibitions area		
14:00	Room Ariane 1 2.1 984 - Unique Telemetry Requirements for a Hypersonic Telemetry System <i>Paul Cook - Curtiss Wright</i>	Room Ariane 2 4.1 1666 - Airborne test of a vector laser Doppler anemometer as true airspeed, angle of attack, and angle of sideslip sensor <i>Oliver Kliebisch & Peter Mahnke & Matthias Damm - DLR Germany</i>	Room Ariane 1 8.1 4138- Reduce Program Timelines and Scale Production with COTS-Based Testing. <i>Javier Gutierrez - National Instruments Spain</i>	Room Ariane 2 7.3 238 - Miniature High-Accuracy Time Space Position Information (TSP) Data Acquisition <i>Ben Kupferschmit - Curtiss Wright</i>	
14:30	2.2 467- TRMC Tools for Telemetry <i>Gene Hudgins and Juana Secundine - TENA</i>	4.2 9493 - LIDAR for in-flight accurate relative positioning <i>Israel Lopez - Airbus Defence and Space Spain</i>	8.2 4812 - How can the load on the telemetry link be meaningfully reduced and what is the advantage of reconfiguring the telemetry data in flight? <i>Colin Douglas - JDA Systems e.K. Germany Bernd Dippold - imc Test & Measurement GmbH</i>	7.4 361- A challenging high-end data acquisition system in a harsh wind tunnel environment at high rotational speed <i>Michiel Bardet, Pim van Zutphen, Filip Fontaine, Johan de Goede and Peter Faasse - NLR</i>	
15:00	2.3 2913 - BSS – Best Source Selector implementation and performances in a test range <i>Philippe Klaeyle, Florian Sandoz - SAFRAN Data Systems</i>	4.3 8240 - Challenges regarding the Calibration of Vibration Sensors with a Digital Output <i>Michael Mende - SPEKTRA GmbH Germany</i>	8.3	7.5 4379- INTEROPERABILITY STANDARDS FOR NETWORK BASED INSTRUMENTATION SYSTEMS <i>Mark Buckley - Telspan Phillip Ellebrock & Marshall Watts - Boeing St Louis Alfredo Berard - 96 RANSS/RNRE</i>	
15:30	Room Caravelle		Room Caravelle		
	Coffee break / Exhibitions area / Posters Session		Coffee break / Exhibitions area		
16:00	Exhibitions area / Posters Session		Room Ariane 1 8.4 1011- User Friendly Edge Computing in FTI Networks <i>Diarmuid Collins - Curtiss Wright</i>	Room Ariane 2 7.6 7448 - Distributed Miniature Data Acquisition Units (DAU) to Support eVTOL Flight Testing <i>Kevin Gannuscio - DTS US</i>	
16:30	Room Ariane 1 2.4 2950 - SDR telemetry receivers demonstration for the next-gen CSG launcher tracking stations <i>Quenton Lacoste - CNES France</i>	Room Ariane 2 4.4 7648 - usage of Capacitive technology for Hydrogen challenges : From analog to digital <i>Daniel Leroy & Jakkapong Saksrisuwan & Anne Marie Bonnet - Alliantech</i>	8.5 6662- OpenAi : State of the art & applications in instrumentation <i>Daniel Leroy & Yasser Boutaleb - Alliantech Maha Khemaja & Amani Brahem - ISSAT Sousse</i>	7.7 8978- TMoIP project AIRBUS HELICOPTERS MARIGNANE: digital architecture based on best in class SAFRAN DS product. <i>Marc Seznez & Laurent Carton - AIRBUS HELICOPTERS France</i>	
17:00	2.5 8828 - UK National Spectrum Centre in Wales to Accelerate Spectrum Innovation and Testing - an update 3 years on. <i>Anil Shukla & Andy King - Qinetiq Syeda Jilani - Aberystwyth University</i>	4.5 4031 – Reliability of material strength tests of gas turbines using strain gages at high temperatures <i>Maksym Klymov, Oleksandr Pohuljaiko, Oleksii Kulikov, Ihor Vernyhora, Liudmyla Marynchenko - High Precision Measurements LLC</i>	8.6 3051- Health Monitoring System for Flight Test Instrumentation <i>Thiago Martins & Anderson Siqueira - EMBRAER Brazil Sergio Penna - ISEP Portugal</i>	7.8 5375 - On-Board Processing: a decade of experience opening to new applications <i>Valentin Belaud, Ghislain Guerrero, Rémy Pelluault, Quentin Lecoq - Safran Data Systems France</i>	
17:30	2.6 8528 - 5G Cellular Airborne Transceiver for AMT <i>Achilles Kogiantis, Joseph Landi, Paul Toliver - Peraton Labs United States</i>	4.6 8333 - Development of a contactless measurement system for real time monitoring of a propellers flapping angle <i>Fritz Boden - DLR Henk Jentink - NLR Rita Po</i>		7.9 3596 - Rotational Data Acquisition for Rotorcraft Wind Tunnel Models <i>Erik Brehl and Oliver Schneider - DLR</i>	
18:00	2.7 5549 - Telemetry Spectrum Encroachment Update <i>Luc Faiga - ICTS -</i>				
18:30	GALA DINNER				
19:00	GALA DINNER				
19:30	GALA DINNER				

Posters Session (Tuesday 13th of June - 15H30 to 16H30 - Exhibition area) (Room Caravelle)

7.10	6908 - Moving towards a common and decentralized instrumentation architecture for ground and flight tests <i>Ghislain Guerrero, David Lefevre, Louis-Marie Lecoeur, Damien Roux, Fabien Bichler, Bruno Soulier, Adrien Rikir and Benjamin Mersayeva - SAFRAN DATA SYSTEM</i>	5.6 371- Real-time acquiring, processing and visualizing large datasets during a wind tunnel campaign <i>Roel Baardman, Peter Faasse and Pim Van Zutphen -NLR</i>	5.7 8038 - Automated PCM Placement <i>Fatih Haciomeroglu & Rasit Uzun & Egemen Guclu & Mehmet Yilmaz - Turkey TAI</i>	8.7 1273 - Real-time Action Recognition for Drones: A Comparative Study of State-of-the-art Models and 3D MobileNet <i>Mohammed El Amine Mokhtari & Matei Mancaș & - University of Mons Belgium</i>
3.3	6687- OBERON family, GNSS solutions in Flight Test <i>Angel Labrador - Airbus DS Spain</i>	2.8 3059 - Radome Design of Telemetry Antenna for 5th Generation Aircraft <i>Ayşe Ozgul Ertanir Feza Mutlu & Duygu Kucukcelebi - Turkish Aerospace</i>	5.8 1871 - Real-time satellite solar cell performance monitoring using Cell Monitoring Package onboard experiment <i>Manon Huguenin, Dominique Vergnet - Airbus Defence and Space France</i>	

CHAIRMANS

1.X	Cybersecurity Chairman (1.1 - 1.2): Anil Shukla (Qinetiq)	3.X GNSS Chairman (3.1 - 3.2) : Sergio Penna (Embraer)	5.X Methods & Tools Chairman (5.1 - 5.4) : Gérald Escriva (Safran Aircraft Engine)	7.X Test Data acquisition Network & Recording Chairman (7.1 - 7.5) : Patrick Quin (CW) Chairman (7.6 - 7.9) : Heiko Koertzel (ADS)
2.X	Telemetry Chairman (2.1 - 2.7) : Guy Williams (US Air Force) TBC	4.X Sensors & Optical Chairman (4.1 - 4.3) : Ghislain Guerrero (Safran Data Systems) Chairman (4.4 - 4.6) : Laetitia Mennebeuf (Airbus Operations)	6.X Video & Image Processing Chairman (6.1 - 6.3) : Fritz Boden (DLR)	8.X Big data, AI & Machine Learning & Virtual / distributed Testing Chairman (8.1 - 8.6) : Francisca Coll (Airbus Defence and Space Spain)