

Conference Agenda

TUESDAY, 23. June 2020

08:30 - 09:00 h	Exhibition opens	
09:00 - 09:30 h	Conference Opening 1. Renaud Urli (President EST): WELCOME ADDRESS. 2. Michael Niewöhner (VP EST): HOW DOES ALL THIS WORK? VIRTUAL ETTC 2020.	
09:30 - 10:00 h	Session Moderation: Philipp Wager (Airbus Defence & Space)	Session Moderation: Renaud Urli (Airbus Helicopters)
	JIAN SONG (Guangzhou Zoweetech Ltd): Distance Measurement for Intrusive Objects on Railway Tracks	DANIEL FÖRDER (imc Test & Measurement GmbH): Robust and Flexible Flight Test Instrumentation for Wireless and Wired Measurements
10:00 - 10:30 h	LEANDER B. HÖRMANN (Linz Center of Mechatronics GmbH - LCM): Evaluation of Energy Harvesting Devices for Industrial Applications	OSCAR GIGATO (Airbus Defence & Space): Using Single Board Computers in FTI Console
10:30 - 11:00 h	Short Break	
11:00 - 11:30 h	MATTHIAS HOSS (iMAR Navigation GmbH): Innovative Inertial Measurement Data Acquisition and Processing for Aircraft Surveying up to Airborne Gravimetry	GHISLAIN GUERRERO (Safran Data Systems SAS): A New Modular Electronics Approach Applied to Instrumentation Units
11:30 - 12:00 h	HANNES KURZ (senseon GmbH): SAW Temperature Sensing for Automotive Test Bench Systems	JOSE-ANTONIO GONZALEZ-PASTRANA (Airbus Defence & Space): Sensors and Equipment MetaRepresentation in Flight Test Airbus Defence and Space
12:00 - 12:30 h	THOMAS KISSINGER (Cranfield University): Dynamic Measurement of Strain and Shape on a Rotating Helicopter Rotor Blade Using Optical Fibre Sensors	PATRICK QUINN (Curtiss-Wright Avionics & Electronics): Addressing the Babel's Tower of FTI Standards in a Network Environment
12:30 - 14:30 h	Lunch Break	
14:30 - 15:00 h	Session Moderation: Pedro Rubio (Defence & Space)	
	TIANXIANG LAN (TU Braunschweig): Machine-Learning-Based Position Error Estimation for Satellite-Based Localization Systems	
15:00 - 15:30 h	GASPER SKVARC BOZIC (Max-Planck-Institut für extraterrestrische Physik): Intelligent Space Wire Router with Multilevel Priority Arbitration and Multicast Packet Transmission	
15:30 - 16:00 h	MUSTAFA UFELEK (Turkish Aerospace Industries Inc.): Real-Time Data Visualization in Telemetry Systems	
16:00 - 16:30 h	Short Break	
16:30 - 17:00 h	KAREN VON HÜNERBEIN (Lange Electronic GmbH): Simulation tools to assess the impact of Wind turbines on RADAR and other electromagnetic signals	
17:00 - 17:30 h	DAVID N. KORTICK (AstroNova Inc.): The Latest in Telemetry Data Visualization Solutions	
17:30 - 18:00 h	Exhibition closes at 18:00h	

all times CET (UTC+2)

WEDNESDAY, 24. June 2020

08:30 - 09:00 h	Exhibition opens	
09:00 - 09:30 h	Session Moderation: Renaud Urli (Airbus Helicopters)	Session Moderation: Pedro Rubio (Airbus Defence & Space)
	<i>DILLI BABU MOHAN (Indian AirForce):</i> Eye Gaze Tracking Applications in Aviation as Cockpit Sensor	<i>MIGUEL AREVALO NOGALES (Airbus Defence & Space):</i> Beholder, automated data validation in Flight Test
09:30 - 10:00 h	<i>CHRISTIAN HERBEPIN (Airbus Helicopters):</i> Virtualization of avionic signals & digital buses on Ethernet	<i>FRANCISCA COLL HERRERO (Airbus Defence & space):</i> BMAD Automatic detection of flight manoeuvres using walvets
10:00 - 10:30 h	<i>SANTIAGO RAFAEL LOPEZ GORDO (Airbus Defence & Space):</i> Vistas architecture implementation in a multi-system integration bench	<i>CHRISTOPH GEBHARDT (CADFEM GmbH):</i> Virtual Sensors for Optimal Operation of a Hydro Power Plant
10:30 - 11:00 h	Short Break	
11:00 - 11:30 h	<i>QUENTIN DEMOULIN (Airbus Commerical):</i> New flexible photogrammetry instrumentation for estimating wing deformation in Airbus aircrafts	<i>RODRIGO LOPEZ PARRA (Airbus Defence & Space):</i> Machine Learning assistant for aircraft acceptance
11:30 - 12:00 h	<i>ISRAEL LOPEZ HERREROS (Airbus Defence & Space):</i> Displays Validation Based on Image Processing	<i>GERHARD SPITZ (AXON-Systems GmbH):</i> E-drive ready telemetry solutions - challenges, innovations, and solutions
12:00 - 12:30 h	<i>RUSSEL MOORE (Curtiss-Wright Avionics & Electronics):</i> Airborne FTI Camera Performance	<i>GONÇALO VALADAS (CriticalSoftware):</i> Automated closed loop testing of cyber-physical systems
12:30 - 14:30 h	Lunch Break	
14:30 - 15:00 h	Session Moderation: Robert Huber (Airbus Defence & Space)	Session Moderation: Pedro Rubio (Airbus Defence & Space)
	<i>VINCENT MARIE (NEXEYA France):</i> BSS / BSC with Heterogeneous Sources	<i>DIEGO ROSES SANCHEZ (Airbus Defence & Space):</i> Job Process Architecture Based On PostgreSQL Database
15:00 - 15:30 h	<i>ALAIN THOMAS (SAFRAN DATA SYSTEMS):</i> SOQPSK-TG STC: new decoding scheme for a higher bit rate and a better budget link	
15:30 - 16:00 h	<i>PAUL COOK (Curtiss-Wright Avionics & Electronics):</i> Transitioning to C-band in the US and the challenges and opportunities presented by modern tri-band transmitters	
16:00 - 16:30 h	Short Break	
16:30 - 17:00 h	<i>RAFAEL PINTO PRATA (ANATEL):</i> Protecting satellite downlink Tracking and Telemetry channels by means of IMT-2020 5G Base Stations Protection Belts surrounding Satellite TT&C Earth Stations operating in the 40 GHz Band	
17:00 - 17:30 h	<i>ACHILLES KOGIANTIS (Perspecta Labs):</i> Cellular 4G LTE Aeronautical Mobile Telemetry Flight Test Results	
17:30 - 18:00 h	Exhibition closes at 18:00h	

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Session 1	Virtual Testing	Session 2	Imaging Video
Session 3	Big Data	Session 4	Spectrum management & Coding

THURSDAY, 25. June 2020

08:30 - 09:00 h	Exhibition opens	
9:00 - 12:30 h	Exhibition is open	EXHIBITION ONLY
12:30 - 13:30 h		Lunch Break
13:30 - 18:00 h		VIDEO SHORT COURSE by SAFRAN Video Technology - Fundamentals & Interfaces Video Compression - Principles Examples of video acquisition scenarios in FTI applications Advanced Video Topics - Low Latency, Bit Rate Reduction, Frame Rate, 4k/UHD, Scaling, Picture-in-Picture, ARINC818, ...
16:30 - 18:00 h		Exhibition closes at 18:00h

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