



SPANISH
SMALL
SATELLITES
INTERNATIONAL
FORUM

#SSSIF2020

AGENDA

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tuesday 25th

8:00-9:00	REGISTRATION - WELCOME COFFEE	
9:00-10:00	WELCOME AND OPENING (Mayor of Málaga, Regional Government, other authorities)	
10:15-10:30	PLATINUM SPONSOR SPEECH EVERIS ADS	
10:30-11:00	ANDRÉS MARTÍNEZ - NASA HQ Small Satellites Supporting Deep Space Exploration	ks
11:00-11:30	ROGER WALKER - ESA ESTEC Science & Exploration	ks
11:30-12:00	STANLEY O. KENNEDY JR - OAKMAN AEROSPACE Hybrid-Architectures & Mesh Network Topologies for Multi-Domain Operations	ks
12:00-13:30	LAUNCHERS OPPORTUNITIES CHAIRMAN - Pablo Lario (AIRBUS DS)	Raúl Torres - PLD SPACE Philip Bracken - SPACEFLIGHT Florent d'Heilly - ARIANESPACE Tom Ochiner - SPACEX Joshua Brost - RELATIVITY

13:30-14:30	LUNCH	
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14:30-15:30	SPACE DEBRIS & SPACE SURVEILLANCE CHAIRMAN - Luca Salotti (ASI)	Filippo Graziani - GAUSS SRL Cor. Eliseo Pérez - SPANISH AIRFORCE Jeroen Rotteveel - ISIS Eduardo Urgoiti - SENER AEROESPACIAL Guillermo Monzón - INDRA
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15:30-16:00	COFFEE BREAK	Poster Session 1/ Exhibition
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16:00-18:00	OUTSTANDING CONTRIBUTIONS CHAIRMAN - Roger Walker (ESA ESTEC)	
	P41- Integration & Launch of the University Class Microsatellite UPMSat-2 José Miguel Álvarez - UPM	
	P43- SmallSat Design Specification John M. Bellardo - CALPOLY	
	P19- Redesign of the communications subsystem of Aistechsatsat-2 & its implementation in Aistechsatsat-3 Manuel Moreno-Ibáñez - AISTECH SPACE	
	P38- ANGELS 12U CubeSat-Solar Array development & qualification Jorge García - DHV TECHNOLOGY	
	P15- FFSCAT: a CubeSat-based Mission for Earth Observation of the Polar Regions Adriano Camps - UPC, IEEC	
	P36- In-orbit results of an ECSS Packet Utilization Standard Implementation for SmallSats Alberto González Muíño - ALÉN SPACE	
	P31- PocketQubes, a fast and viable solution for LEO IoT/M2M Constellations Vicente González Negro - EVERIS ADS	
	P07- Multilayer Architecture based in MPSoC Technology for Space System Applications Aránzazu Fernández Álvarez - SENER AEROESPACIAL	

20:00	CONGRESS DINNER SPONSORED BY EVERIS ADS	
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8:00-8:30	REGISTRATION - WELCOME COFFEE		
8:30-9:00	JEAN-JACQUES DORDAIN - HEAD OF THE SATLANTIS BOARD OF ADVISORS Beyond New Space		ks
9:00-9:30	FERNANDO AGUADO - UNIVERSITY OF VIGO Examples of future enabling technologies for CubeSat mission: wireless power transfer (Wp Therm) and Optical Communications		ks
9:30-10:20	GROUND SEGMENT CHAIRMAN - Igor Alonso Portillo (KSAT)	Eduardo Cruz - GOMSPACE Lola López Gilabert - ASTROCAST Miguel Ángel Molina - GMV Kattia Flores Pozo - PLANET Silver Lodi - SPACEIT	P
10:20-10:50	COFFEE BREAK	Poster Session 2/ Exhibition	
10:50-12:05	POCKETQUBES CHAIRMAN - Juan Enrique Glez. Laguna (EVERIS ADS)	Julián Fernández - FOSSA SYSTEMS Félix Páez - AMSAT EA Tom Walkinshaw - ALBA ORBITAL Stefano Speretta - DELFT UNIVERSITY	P
12:05-13:05	EARTH OBSERVATION AND MOON EXPLORATION CHAIRMAN - Álvaro Giménez (CSIC) P04- Proba-3: implementing a large solar instrument with small satellites flying in formation Luis F. Peñín - SENER AEROSPACIAL, ESA/ESTEC P09- iSIM payload: from first mission to Smart Imaging Concept Juan Tomás Hernani - SATLANTIS MICROSATS P28- Upgrade of the Morehead State Univ. 21m Antenna to DSN Compatibility for Deep Space CubeSats E. Jay Wyatt - JET PROPULSION LAB, MOREHEAD STATE UNIVERSITY P40- A mission to deliver small payloads to the Moon and beyond Andrés E. Villa - UARX SPACE		S
13:05-14:20	LUNCH		
14:20-14:50	Juan Carlos Cortés - CDTI/ESA		
14:50-15:50	MISSIONS AND IOD CHAIRMAN - Fernando Aguado (UNIVERSITY OF VIGO) P22- DRAGO, a compact & uncooled space camera for small satellites observing in the SW Alfonso Ynigo Rivera - IAC P12- Compact 3D-printed ceramic GNSS antenna for Cubesats Ksenia Sharshavina - ANYWAVES P13- Large Deployable Offset Fed Antennas for Cubesats José Nieto Mocholí - COMET ING, EOS ING, OPEN COSMOS, IECC/CTE-UPC P17- Is there a new business model pattern of which the EO market could take advantage of? Catalina M. Pascual -UPC		S
15:50-17:15	MARKET AND FUTURE VISIONS OF SMALL SATELLITE PLATFORMS CHAIRMAN - Jordi Puig-Suari (CALPOLY) P42- Sateliot Space Adventure Jaume Sanpera - SATELIOT P30- 5G Solution for Small Satellite Communication Missions Per Koch - GATEHOUSE TELECOM P34- GMV'S experience with CubeSat and Required Technologies Francisco Javier Atapuerca - GMV AEROSPACE & DEFENCE P02- Bartolomeo the New AIRBUS ISS External Platform Yannick Jégo - AIRBUS DEFENCE & SPACE P33- A novel approach to High-Performance Optical Payloads for Cubesats Johan Du Plooy - SIMERA SENSE P44- Gauss activities in Lean Satellite Field: heritage and future Filippo Graziani / Nicola Sparvieri - GAUSS SRL		S
17:15-17:30	COFFEE BREAK	Poster Session3/ Exhibition	
17:30-18:30	NEW SPACE INDUSTRY & FINANCE CHAIRMAN - Andrés Martínez (NASA HQ)	Inmaculada Serrano - DEIMOS ENGINEERING Guillermo Valenzuela - AISTECH Juan Tomás Hernani - SATLANTIS MICROSATS Guillermo Lamelas - ALÉN SPACE Rafael Navarro - THALES ALENIA SPACE SPAIN Vicente Díaz - DHV TECHNOLOGY	P
19:30	COCKTAIL SPONSORED BY DHV & EXHIBITORS		

8:00-8:30	REGISTRATION - WELCOME COFFEE	
8:30-9:00	JORDI PUIG-SUARI - CALPOLY CubeSat Innovation Observations	ks
9:00-9:30	KLAUS SCHILLING - ZENTRUM FÜR TELEMATIK EV Future Satellites: Smart, Small, Networked and Cooperative?	ks

9:30-10:30	COMMERCIAL SOLUTIONS BASED ON CONSTELLATIONS CHAIRMAN - Pedro Pintó Marín (HISPASAT)	Dan Isaac - SPIRE Jeremy Lui - ICEYE Luis Berdejo - ONEWEB SATELLITES Francisco Bertona - SATELLOGIC	P
10:30-11:45	TECHNOLOGY DEVELOPMENTS I CHAIRMAN - Andrés Martínez (NASA HQ)		
	P01- Design considerations for Smallsats Colloid Thruster Propulsion System Enric Grustan-Gutiérrez - UNIVERSITY OF GLASGOW		
	P03- Tether and robotics technology demonstration Pico-Satellites "STARS" Masahiro Nohmi - SHIZUOKA UNIVERSITY		
	P05- Efficient & versatile data compressor for CubeSat onboard computers & data handling systems Jordi Portell - IEEC-ICCUB, UPC		S
	P08- The shape of things to launch: the case for a Spanish National Space Legislation & better access to Space M. Lucas-Rhimbassen/M. Yagües - UNIVERSITY OF TOULOUSE, PLD SPACE		

11:45-12:15	COFFEE BREAK	Poster Session 4/ Exhibition
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12:15-13:15	TECHNOLOGY DEVELOPMENTS II CHAIRMAN - Luis Fernando Sánchez (SENER)		
	P11- Testing approaches for Smallsats in the New Space Environment Eladio Montoya - ALTER TECHONOLOGY		
	P10- REGULUS QM: Test Campaign results and integration into Unisat-7 Elena Toson - TECHNOLOGY FOR PROPULSION AND INNOVATION		
	P39- μ SADA: miniaturised solar array drive assembly for 6U/12U Cubesat Andrea Negri - IMT SRL		S
	P26- Machine learning tool for Space Debris detection by Nano-Satellite Mission Lubna Arif - ALIGARH MUSLIM UNIVERSITY, TALTECH, SGAC		
13:15-14:15	ELECTRIC PROPULSION CHAIRMAN - Alberto Garbayo (AVS) Market needs, alternative propellants & key challenges	David Krejci - ENPULSION Off-the-shelf propulsion systems for small satellites Elena Toson - T4i Let's make satellites dance! Gautier Brunet - THRUSTME ThrustMe's miniaturized fully integrated and smart propulsion portfolio Daniel Pérez - IENAI Fully scalable propulsion systems based on electrospray technologies	P

14:15-14:30	CLOSING AND CONCLUDING REMARKS
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KEYNOTE SPEAKER



PANEL



SESSION

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