

esa satcom final presentation days

28 January - 1 February 2019 | ESA-ESTEC | The Netherlands



Start	End	Code	Title	presenter(s)	Prime name	country
09:00	09:00	D2N1-0	Tuesday 29jan19 - Newton 1: System, networking and management & Antennas	session chair: Maria Guta		
09:00	09:25	D2N1-1	ARTES Core Competitiveness	Dietmar Schmitt	ESA	
09:25	09:50	D2N1-2	The Role of Satellite in Collaborative Adaptive Bit Streaming Services	Wagar Zia	Nomor Research GmbH	Germany
09:50	10:15	D2N1-3	High Throughput Digital Broadcasting Satellite Systems	Joel Grotz	SES	Luxembourg
10:15	10:40	D2N1-4	Security and content rights management in satellite assisted in network caching systems	Simon Pietro Romano	CINI	Italy
10:40	11:10	D2N1-5	morning pitch: Erik Beckert - Fraunhofer Iof tea/coffee/networking	session chair: Maurice Paquay		
11:10	11:35	D2N1-6	GNSS Antenna and Binohorns for Telecom Spacecraft	Jonas Bäck	Ruag Space AB	Sweden
11:35	12:00	D2N1-7	Development of an Advanced VHF/UHF Antenna System	Tim Waterfield (+Michael Loweth)	Airbus Defence & Space Ltd (+Oxford Space Systems)	United Kingdom
12:00	12:25	D2N1-8	Multi-Beam Antenna Feed Networks for Applications From L- to C-Band	Thierry Girard	Thales Alenia Space France	France
12:25	12:50	D2N1-9	High-Performance Horns with Customisable Radiation Properties	Paolo Patrizio De Vita	I.D.S. Ingegneria Dei Sistemi S.P.A.	Italy
12:50	13:45	D2N1-10	lunch break	session chair: Maurice Paquay		
13:45	14:10	D2N1-11	Antennas and Signal Processing Techniques for Interference Mitigation in Next Generation Ka band High Throughput Satellites (TRP)	Enrica Calà	Space Engineering S.P.A.	Italy
14:10	14:35	D2N1-12	Anti-Jamming Capabilities On Reflector Antennas	Madivanane Nadarassin	Thales Alenia Space France	France
14:35	15:25	D2N1-13	Panel "Satcom Payload: trends and challenges" - Plenary moderator: David Gomez Otero	Glyn Thomas Joel Grotz Erick Charbonneau Massimiliano Ladovaz Alessandro la Pera	ADS UK SES MDA OneWeb Eutelsat	
15:25	15:55	D2N1-14	afternoon tea/coffee/networking	session chair: Giovanni Toso		
15:55	16:20	D2N1-15	Discrete Lens for Array Fed Reflector Antennas	Pasquale Nicolaci	Space Engineering S.P.A.	Italy
16:20	16:45	D2N1-16	Switchable Sub-Reflector Antenna	Madivanane Nadarassin	Thales Alenia Space France	France
16:45	17:10	D2N1-17	Reflector Development for High Directivity Beams at Q/V Band	Paolo Zolla	HPS GmbH	Germany
17:10	17:35	D2N1-18	Ulirka Ultra-Light Reflectors for Ka Band Application	Mario Lanuti	Thales Alenia Space Italia SPA	Italy
17:35	18:00	D2N1-19	Ka-Band User Feed Chain	Andreas Schinagl-Weiß	Airbus DS GmbH Sat	Germany

Start	End	Code	Title	presenter(s)	Prime name	country
09:00	09:00	D2N2-0	Tuesday 29jan19 - Newton 2: Payloads	session chair: Paul van Loock		
09:00	09:25	D2N2-1	ARTES Core Competitiveness	Dietmar Schmitt	ESA	
09:25	09:50	D2N2-2	Keynote - Payload	Michael Harverson	ESA	
09:50	10:15	D2N2-3	PICAL: Photonic Integrated Comb for Space Applications	Frank Smyth	Pilot Photonics	Ireland
10:15	10:40	D2N2-4	Electro-Photonic Frequency Converter	Amin Abbasi	Antwerp Space N.V.	Belgium
10:40	11:10	D2N2-5	morning pitch: Shahrokh Khodabakhshi - HOSTmi tea/coffee/networking	session chair: Nikos Karafolas		
11:10	11:35	D2N2-6	High power photoreceivers for high dynamic range - high frequency photonic RF links	Hektor Meier	Albis OptoElectronics AG	Switzerland
11:35	12:00	D2N2-7	Opto-Microwave Wideband Reconfigurable Receiver	Sophie Roux	Thales Alenia Space France	France
12:00	12:25	D2N2-8	Photonic Transceiver for Secure Space Communications: New Space Suitable Entangled Photon Source (Space-EPS)	Erik Beckert	Fraunhofer Gesellschaft	Germany
12:25	12:50	D2N2-9	Keynote - Payload equipment	Natanael Ayllon	ESA	
12:50	13:45	D2N2-10	lunch time pitch: Lars Weimer - esc Aerospace lunch break	session chair: Natanael Ayllon		
13:45	14:10	D2N2-11	High Voltage Repeater Module for EPC for Increased Temperature Range	Philippe Fayt	Thales Alenia Space Belgium	Belgium
14:10	14:35	D2N2-12	Packaging for Highly Dissipating Dies On PCBs	Helene Jochem	Thales Alenia Space France	France
14:35	15:25	D2N2-13	Panel "Satcom Payload: trends and challenges" - Plenary moderator: David Gomez Otero	Glyn Thomas Joel Grotz Erick Charbonneau Massimiliano Ladovaz Alessandro la Pera	ADS UK SES MDA OneWeb Eutelsat	
15:25	15:55	D2N2-14	afternoon tea/coffee/networking	session chair: Natanael Ayllon & Khalil Kably		
15:55	16:20	D2N2-15	Pre and Post Processors for L-Band and S-band Digital Beam Forming Geo Mobiles Mob-PPP	Bård Nordbø	Kongsberg Norspace A/S	Norway
16:20	16:45	D2N2-16	Small Modular Digital Processor Qualification	Paul Cornfield	Airbus Defence & Space Ltd	United Kingdom
16:45	17:10	D2N2-17	Ka Band Tranceiver Chipset	Denver Humphrey	Arralis Ltd	Ireland
17:10	17:15	D2N2-18	Pioneer presentation by ESA	Khalil Kably	ESA	
17:15	17:25	D2N2-19	IODA: In Orbit Demonstration by Airbus	Daniel Gheri	Airbus Defence & Space SAS	France
17:25	17:35	D2N2-20	SAPION: Space Access Provider Of Nanosats	Aleix Megias	Open Cosmos	UK
17:35	17:45	D2N2-21	SAAS: Space As A Service	Hina Khan	Spire	UK
17:45	17:55	D2N2-22	STRIVING: Space Telecommunications Rapid IoV/IoD INteGrated Service	Giovanni Tuccio	Sitael S.P.A.	Italy

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Start	End	Code	Title	presenter(s)	Prime name	country	Start	End	Code	Title	presenter(s)	Prime name	country
09:00	09:00	D3N1-0	Wednesday 30Jan19 - Newton 1: New Space	session chair: Torsten Vogel			09:00	09:00	D3N2-0	Wednesday 30Jan19 - Newton 2: Payloads	session chair: Francois Deborgies		
09:00	09:25	D3N1-1	IFM 350 Nano Thruster Module	Robert-Jan Koopmans	Fotec Forschungs- Und Technologietransfer	Austria	09:00	09:25	D3N2-1	Keynote - Payload technology	Iain Davies	ESA	
09:25	09:50	D3N1-2	Power Processing Unit (PPU) Qualification	Christophe Chaminade	Airbus Defence & Space SAS	France	09:25	09:50	D3N2-2	Highly Integrated Channel Amplifiers and Linearisers based on Silicon Technology	Olivier Jardel	Thales Alenia Space France	France
09:50	10:15	D3N1-3	Augmented Reality for Telecom Spacecraft AIT	Inácio Rodrigues	Lusospace - Proj De Engenharia	Portugal	09:50	10:15	D3N2-3	High Power 300W Ku-Band Travelling Wave Tube	Ernst Bosch	Thales Deutschland GmbH	Germany
10:15	10:40	D3N1-4	Space Based ADS-B Pico-Satellite Demonstrator	Tom Walkinshaw	Alba Orbital Limited	United Kingdom	10:15	10:40	D3N2-4	Aln: Source Selection and Securisation for Thales Space TWTA	Annett Siefke	Thales Deutschland GmbH	Germany
10:40	11:10	D3N1-5	morning pitch: Aleix Megias - Open Cosmos tea/coffee/networking	session chair: Valerie Dutto			10:40	11:10	D3N2-5	morning pitch: Luis Fernando Sanchez - Sener tea/coffee/networking	session chair: Francois Deborgies		
11:10	12:00	D3N1-6	Panel NewSpace - plenary Moderator: Torsten Vogel	Hina Khan Aleix Megias Alexander Reisner Jacob Mølbach Nissen Michael Loweth Iraklis Hatzithanasiou	Spire Global UK Open Cosmos Enpulsion Space Inventor Oxford Space Systems AAC Microtec / Clyde Space		11:10	12:00	D3N2-6	Panel NewSpace - plenary Moderator: Torsten Vogel	Hina Khan Aleix Megias Alexander Reisner Jacob Mølbach Nissen Michael Loweth Iraklis Hatzithanasiou	Spire Global UK Open Cosmos Enpulsion Space Inventor Oxford Space Systems AAC Microtec / Clyde Space	
12:00	12:25	D3N1-7	Deployable Steerable Antenna Array for Microsatellites (DESPPAAM)	Michael Loweth	Oxford Space Systems	UK	12:00	12:25	D3N2-7	Building Blocks for High Power and High Frequency TWTs	Annett Siefke	Thales Deutschland GmbH	Germany
12:25	12:50	D3N1-8	User and Gateway Antennas for Constellations	Erick Charbonneau	Macdonald, Dettwiler & Associates Corp	Canada	12:25	12:50	D3N2-8	Qualification of 150 W C-Band Radiation and Conduction Cooled TWTs	Ernst Bosch	Thales Deutschland GmbH	Germany
12:50	13:45	D3N1-9	lunchtime pitch: Michael Loweth - Oxford Space Systems lunch break	session chair: Paul Greenway			12:50	13:45	D3N2-9	lunch break	session chair: Marco Belloni		
13:45	14:10	D3N1-10	Development of Flexible Optical Solar Reflector (OSR)	Sandro Mengali	Consorzio Creo Centro Ricerche Elettro-O	Italy	13:45	14:10	D3N2-10	Ka Band High Power Full Thermal Compensated Omux	Damien Pacaud	Thales Alenia Space France	France
14:10	14:35	D3N1-11	Low Cost Precision Manufacturing RF Passive Hardware	Mathieu Billod	Swissto12	Switzerland	14:10	14:35	D3N2-11	Micro-optoelectronic FGU (TRP)	Stefan Kundermann	CSEM	Switzerland
14:35	15:00	D3N1-12	3P Pocketcube Satellite Engineering Model (EM) and a 96P Picosat Orbital Deployer (POD)	Tom Walkinshaw	Alba Orbital Limited	United Kingdom	14:35	15:00	D3N2-12	Development and Qualification of Frequency Generators (PLIS)	Przemyslaw Kant	SpaceForest	Poland
15:00	15:25	D3N1-13	Xenon Storage Tank Qualification for Oneweb Activities	Daniel Costa Blanes	Airbus Defence & Space SAS	France	15:00	15:25	D3N2-13	Low Phase Noise VHF Oscillator	G�rard Wagner	Orolia Switzerland SA	Switzerland
15:25	15:55	D3N1-14	afternoon pitch: Johan Leijtens - Lens R&D tea/coffee/networking	session chair: Daniel Bast			15:25	15:55	D3N2-14	afternoon pitch/tea/coffee/networking	session chair: Petronilo Martin Iglesias		
15:55	16:20	D3N1-15	OneWeb HiPeR Flexlinks	Gerard Obiols Rabasa	ADS NL	NL	15:55	16:20	D3N2-15	Compact Tunable IF Filters (TRP)	Jia Ni	Heriot-Watt University	United Kingdom
16:20	16:45	D3N1-16	Heat Pipes Development, Qualification, and Industrialisation	Mathieu Lecleir	Euro Heat Pipes SA	Belgium	16:20	16:45	D3N2-16	Compact Tunable IF Filters (TRP)	Jesus Jimenez Campillo	Thales Alenia Space Spain	Spain
16:45	17:10	D3N1-17	Multi-Layer Insulation for Mega-Constellations	Mario Schraufstaedter	RUAG (Austria)	Austria	16:45	17:10	D3N2-17	Microwave Micro-Machined Filters	Paola Farinelli	RF Microtech SRL	Italy
17:10	17:35	D3N1-18	Oneweb EGSE Power, TCR and Payload Test System (PTS) EGSE	Hans Martin Steiner	Atos Convergence Creators GmbH	Austria	17:10	17:35	D3N2-18	Compact C-/Ku-Band Broadband Waveguide Filters	Paolo Vallerotonda	RF Microtech SRL	Italy
17:35	18:00	D3N1-19	QoS, Cross-Layer and Routing Management for Integrated Services in Hybrid Networks (moved from Tuesday morning)	Markus Tenbeck	Frequentis AG	Austria	17:35	18:00	D3N2-19	Efficient Reconfigurable Digital Filter Banks	Izzet Kale	University of Westminster	United Kingdom
18:00	19:30	D3N1-20	Wednesday 'mid-week' cocktail		ESA		18:00	19:30	D3N2-20	Wednesday 'mid-week' cocktail		ESA	
19:30	19:45	D3N1-21	Wednesday bus to Noordwijk hotels		ESA		19:30	19:45	D3N2-21	Wednesday bus to Noordwijk hotels		ESA	

Thursday 31 January 2019

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Start	End	Code	Title	presenter(s)	Prime name	country	Start	End	Code	Title	presenter(s)	Prime name	country
09:00	09:00	D4N1-0	Thursday 31jan19 - Newton 1: Platform	session chair: Dan Bast			09:00	09:00	D4N2-0	Thursday 31jan19 - Newton 2: Ground Segment	session chair: Nelson Fonseca		
09:00	09:25	D4N1-1	High Density Connectors Suitability to Space Application	Denis Lacombe (ESA; on behalf of Eggo)	Eggo Space S.R.O.	Czech Republic	09:00	09:10	D4N2-1	Keynote - (ground) antenna	Nelson Fonseca		
09:25	09:50	D4N1-2	Metal Hydride Hydrogen and Heat Storage System	Jarle Farnes	Prototech	Norway	09:10	09:35	D4N2-2	Electronically Steered Antenna Array in the Wing of a Remotely Piloted Aircraft (Estarr)	Joseph (Joe) Barnard	Barnard Microsystems Limited	United Kingdom
09:50	10:15	D4N1-3	Xe Tank Development	Marc Giegerich	MT Aerospace	Germany	09:35	10:00	D4N2-3	Janus - Bi-Band Maritime Antenna System	Alessia Colasante	TES Teleinformatica E Sistemi SRL	Italy
10:15	10:40	D4N1-4	370-400 K Gravity-Friendly Heat Pipe with Low Freezing Temperature	Ryan McGlen	Aavid Thermacore Europe Ltd	United Kingdom	10:00	10:25	D4N2-4	Ultra Flat Vsat Antenna for Institutional and Civilian Applications	Gabriele Minatti	Wave Up	Italy
10:40	11:10	D4N1-5	pitch: Ryan McGlen - Aavid Thermacore Europe Ltd. tea/coffee/networking	session chair: Clive Edwards			10:25	10:50	D4N2-5	Robotic Antenna Feed	John McCabe	Isat Limited	United Kingdom
11:10	11:35	D4N1-6	HPEPS - High Power Electric Propulsion System	Jenny Boshier and Mark Hutchins	Qinetiq Ltd.	United Kingdom	10:50	11:20	D4N2-6	pitch: Alexander Deppenkemper - Vertex Antennentechnik tea/coffee/networking	session chair: Fabrizio De Paolis		
11:35	12:00	D4N1-7	Direct Manufacturing of Embedded CCHP Onto Aluminium Panel Skins	Lucile Galmiche	Euro Heat Pipes SA	Belgium	11:20	11:45	D4N2-7	Triple Band Feed Horn	Malcom Burrell, Tao Huang	Global Invacom Ltd	United Kingdom
12:00	12:25	D4N1-8	Towards the 100 kW Communications Satellite	Gilles Bouhours	Thales Alenia Space France	France	11:45	12:10	D4N2-8	3-Axis Antenna for Ka-Band Maritime Satcom Terminals	Henrik Thordahl Nielsen	Spacecom A/S	Denmark
12:25	12:50	D4N1-9	Next Generation Solar Array (NGSA)	Claus Zimmermann	Airbus DS GmbH Sat	Germany	12:10	13:00	D4N2-9	Panel: Ground Segment technology challenges ahead Moderator: Domenico Mignolo	Gianluigi Morelli Douglas Wiemer Geert Adams Klaus Kudielka Ferdinando Tiezzi Moche Cohen	SES RHEA Newtec Synopta Viasat CH Satixfy UK	
12:50	13:45	D4N1-10	lunch break	session chair: Claudia Allegranza			13:00	13:55	D4N2-10	lunch break	session chair: Octavio Camino-Ramos		
13:45	14:10	D4N1-11	Development of a High Detent Torque Rotary Actuator	Luis Fernando Sanchez	Sener Ingenieria Y Sistemas SA	Spain	13:55	14:20	D4N2-11	Electronically Steerable Low Drag Aeronautical Antenna	Erio Gandini	TNO Industrial Research	Netherlands
14:10	14:35	D4N1-12	Articulated Deployment Systems	Rolf Torenbeek	Airbus Defence & Space Netherlands	Netherlands	14:20	14:30	D4N2-12	Keynote - Management & Control, Networks	Octavio Camino Ramos		
14:35	15:00	D4N1-13	Characterisation of Integrated Damping Features for Elastic Collapsible CFRP Hinges	Arne Riemer	Ruag Space Germany GmbH	Germany	14:30	14:55	D4N2-13	Efficient Automation of Satellite Operations (EASO)	Gianluigi Morelli, Konstantinos Liolis	SES Techcom SA	Luxembourg
15:00	15:25	D4N1-14	High Temperature High Voltage Potting Adhesive	Geoffroy Petinot	Thales Alenia Space Belgium	Belgium	14:55	15:20	D4N2-14	Satellite Interference Mitigation Systems (SIMS)	Erwin Greilinger	Atos Convergence Creators GmbH	Austria
15:25	15:55	D4N1-15	afternoon pitch/tea/coffee/networking	session chair: King Lam			15:20	15:45	D4N2-15	Satellite Ephemeris Estimator	Frederic Saffre	Zodiac Data Systems	France
15:55	16:20	D4N1-16	Next Generation Command Receiver	Serge Libert	Thales Alenia Space France	France	15:45	16:15	D4N2-16	afternoon pitch: Pedro Antonio Ruiz - Integrasys tea/coffee/networking	session chair: Octavio Camino-Ramos		
16:20	16:45	D4N1-17	New Avionics for Satcom	Alain van Esbeem	Thales Alenia Space Belgium	Belgium	16:15	16:40	D4N2-17	SDRM Definition Phase	Joel Grotz	SES Techcom SA	Luxembourg
16:45	17:10	D4N1-18	ATLAS Ku-Band Agile Command Receiver Flight Opportunity	Grunde Joheim	Kongsberg Norspace A/S	Norway	16:40	17:05	D4N2-18	Osmosis: Optimisation of Streamed Media Over Satellite Infrastructures	Eddy Higgings	VT iDirect Solutions Limited	Ireland
17:10	17:35	D4N1-19	Micro Remote Terminal Unit Product	Claus Jensen and Magnus Hansen	Terma A/S	Denmark	17:05	17:30	D4N2-19	Satellite Network-Coding (Satnetcode)	Harald Skinnemoen	Ansur Technologies S	Norway
17:35	18:00	D4N1-20	Development of a Hybrid Sensor Bus for Telecommunications Satellites	Andreas Hurni	OHB System AG	Germany	17:30	17:55	D4N2-20	Network Coding Protocols for Satellite Terminals with Multiple Logical Paths	Harald Skinnemoen	Ansur Technologies S	Norway

Friday 1 February 2019

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Start	End	Code	Title	presenter(s)	Prime name	country
09:00	09:00	DSN1-0	Friday 1feb19 - Newton 1: System & Networks / coding, modulation and access	session chair: Daniel Arapoglou		
09:00	09:25	DSN1-1	Advanced Air Interface Demonstrator for Future Mobile Interactive Networks	Johannes Ebert	Joanneum Research Forschungsgesellschaft	Austria
09:25	09:50	DSN1-2	Optimization of Physical Layer Performance in High Data Rate Optical Links (TRP)	Ricardo Barrios	DLR - German Aerospace Center	Germany
09:50	10:15	DSN1-3	Precoding Demonstrator for Broadband Systems Forward Links	Stefan Erl	DLR - German Aerospace Center	Germany
10:15	10:40	DSN1-4	Optimized Transmission Techniques for SATCOM Unicast Interactive Traffic (TRP)	Alessandro Vanelli	University of Bologna	Italy
10:40	11:10	DSN1-5	morning pitch/tea/coffee/networking	session chair: Nader Alagha		
11:10	11:35	DSN1-6	M2M 'Maker-Space' for Satellite Communications	Marc McCarville	Dublin City University	Ireland
11:35	12:00	DSN1-7	Beam Hopping Emulator for Satellite Systems	Rainer Wansch	Fraunhofer Gesellschaft	Germany
12:00	12:25	DSN1-8	VDE-Sat Downlink Verification	Hans Christian Haugli	Space Norway AS	Norway
12:25	12:50	DSN1-9	Characterisation of the Mobile Tracking Needs	Martin Jarrold (GVF)	Fraunhofer Gesellschaft	Germany
12:50	13:00	DSN1-10	closing remarks / lunch / return home	Paul Robert Nugteren		

Start	End	Code	Title	presenter(s)	Prime name	country
09:00	09:00	DSN2-0	Friday 1feb19 - Newton 2: Ground Segment	session chair: Nader Alagha		
09:00	09:10	DSN2-1	Keynote - Terminals & Hubs	Nader Alagha	ESA	
09:10	09:35	DSN2-2	Optical Ground Station for Tbit Feeder Link	Klaus Kudielka	Synopta GmbH	Switzerland
09:35	10:00	DSN2-3	Cost Effective VDE-SAT User Terminal and Ground Component Validation Platform	Hans Christian Haugli	Space Norway AS	Norway
10:00	10:25	DSN2-4	Project Vega	Geert Adams	Newtec Cy NV	Belgium
10:25	10:50	DSN2-5	Compact Terminal for M2M Service Demonstration (TRP)	Marco Andrenacci	MBI	Italy
10:50	11:20	DSN2-6	morning pitch/tea/coffee/networking	session chair: Fabrizio De Paolis		
11:20	11:45	DSN2-7	Beam Former Chip for Phased Array Antennas	Divaydeep Sikri	Satisfy UK Ltd	United Kingdom
11:45	12:10	DSN2-8	GaN Based, Passively Cooled, Linearised L Band SSPA for Avionics Terminals	Suat Ayozy, otherwise PM Jaromir.Stecha	Honeywell International SRO	Czech Republic
11:45	12:10	DSN2-9	Mobile Ka-Band Multimedia Receiver for Vehicles	michael.schoenhuber (tbc)	Joanneum Research Forschungsgesellschaft	Austria
12:10	12:35	DSN2-10	Low Cost and Compact Ka-Band Mobile Satcom Terminal (LoCoMo)	Elena Saenz (ESA)	TTI	Spain
12:35	13:00	DSN2-11	High Rate Data Collection Platform Prototype Development	Oliver Harrmann	Scisys Deutschland GmbH	Germany
13:00	13:10	DSN2-12	closing remarks / lunch / return home	Paul Robert Nugteren		