

EPIC Workshop 2018
Westminster Conference Centre, 1 Victoria Street, London SW1H 0ET
Day 1 - Monday 15th October 2018

12:00	Registration & Coffee	
--------------	----------------------------------	--

13:15	Introduction, and organization logistics	Nick Cox, UK Space Agency
13:30	PSA Welcome, and EPIC Workshop Objectives	Jose Gonzalez Del Amo, ESA

SESSION 1: PSA Updates and Programmatic		
Chair: Nick Cox, UK Space Agency & Co-Chair: Lisa Martin-Perez, DLR		
13:50	H2020 and EP SRC, Next Work Programmes	Tanja Zegers, European Commission
14:10	SRC activities and Operational Grants	Florence Beroud, REA
14:30	2019 Disruptive Call Details and Guidelines	Jorge Lopez Reig, CDTI
14:50	EPIC PSA and activities	Jose Gonzalez Del Amo, ESA
15:10	IOD / IOV	Jean-Michel Monthiller, European Commission

15:30	Coffee Break	
--------------	---------------------	--

Session 2: SRC Project Updates Part I		
Chair: Jose Gonzalez Del Amo, ESA & Co-Chair: Vincenzo Pulcino, ASI		
15:45	CHEOPS	Idris Habbassi, Safran Aircraft Engines
16:20	GIESEPP	Cyril Dietz, Ariane Group
16:55	HEMPT-NG	Andreas Daschka, Julien Degremont & Stefan Weis, Thales Deutschland

17:30	DAY 1 CLOSE	
--------------	--------------------	--



EPIC Workshop 2018
Westminster Conference Centre, 1 Victoria Street, London SW1H 0ET
Day 2 - Tuesday 16th October 2018

08:30	Registration & Coffee	
--------------	----------------------------------	--

09:00	Welcome Remarks	Nick Cox, UK Space Agency
-------	-----------------	---------------------------

Session 3: SRC Project Updates Part II Chairs: Vincenzo Pulcino, ASI & Co-Chair: Fabien Castanet, CNES		
---	--	--

09:10	GANOMIC	Louis Grimaud, Safran
09:45	Hiperloc-EP	John Stark, Queen Mary University London
10:20	MINOTOR	Denis Packan, ONERA
10:55	EPIC PSA and activities	Jose Gonzalez Del Amo, ESA

11:15	Coffee Break	
--------------	---------------------	--

11:30	Keynote Speech	Alan Bond, Reaction Engines
--------------	-----------------------	------------------------------------

Session 4: Electric Propulsion Technologies for Small Satellites and New Markets Chair: Giorgio Saccoccia, Propulsion & Aerothermodynamics Head, ESA & Co-Chair: Fabien Castanet, CNES		
---	--	--

12:00	Cubesats	Sabrina Corpino, Turin Politecnico
12:10	Low Cost Electric Propulsion	Paolo Bianco, Airbus DS
12:20	LEO Sat Constellation	Steven Austin, TAS-UK
12:30	New EP Applications	Marco Villa, Tyvak
12:40	CubeSats	Craig Clark, Clyde Space
12:50	Emerging Technologies and Applications	Andrea Luccafabris, Surrey Space Centre

13:00	LUNCH BREAK	
--------------	--------------------	--

Session 5: Electric Propulsion Technologies for Small Satellites and Emerging Applications Panel Discussion		
--	--	--

Chair: Giorgio Saccoccia, Propulsion & Aerothermodynamics Head, ESA & Co-Chair: Fabien Castanet, CNES

14:00	Cubesats	Sabrina Corpino, Turin Politecnico
	OneWeb Constellation	Paolo Bianco, Airbus DS
	LEO Sat Constellation	Steven Austin, TAS-UK
	New EP Applications	Marco Villa, Tyvak
	CubeSats	Craig Clark, Clyde Space
	Emerging Technologies and Applications	Andrea Luccafabris, Surrey Space Centre

Session 6: EP Technologies and Capabilities		
Chair: Lisa Martin-Perez, DLR & Co-Chair: Vincenzo Pulcino, ASI		
14:45	The CO2DGM for CO2-breathing thrusters	Konstantinos Katsonis, DEDALOS Ltd
15:00	Disruptive Electric Propulsion at IRS	Georg Herdrich, University of Stuttgart
15:15	Plasma Jet Pack (PJP) Technology Overview	Luc Herrero, COMAT
15:30	ICE ³	Alberto Garbayo, AVS
15:45	MPD Technology	Manuel la Rosa Betancourt, Pintegral Solution

16:00	COFFEE BREAK	
--------------	---------------------	--

Session 7: EP Technologies and Capabilities (Continued)		
Chairs: Jorge Lopez Reig, CDTI & Co-Chair: Nick Cox, UK Space Agency		
16:15	Helicon O-plasma Thruster experimental platform	Mercedes Ruiz, Sener
16:30	Test campaign results for AQUAJET and XMET	Daniel Staab, AVS UK
16:45	Novel cathodes and alternative propellants for EP	Steven Gabriel, University of Southampton
17:00	Microfluidic flow control for next NG HEMP thrusters	Jens Haderspeck, TAS Deutschland
17:15	GEO Dual Mode PPU and LEO HEMPT PPU	Eric Bourguignon, TAS-Belgium
17:30	IMPULSE	Angelo Grubisic, University of Southampton
17:45	ALPHIE	Luis Conde, UPM Spain
18:00	Novel electrode material C12A7	Angel Post, AT Devices
18:15	HYPHEN	Eduardo Ahedo, Universidad Carlos III de Madrid

18:30	COCKTAIL NETWORKING EVENT SPONSORED BY THALES ALENIA SPACE UK	
--------------	--	--

Please note that timings and presentation titles may be subject to change



EPIC Workshop 2018

Westminster Conference Centre, 1 Victoria Street, London SW1H 0ET

Day 3 - Wednesday 17th October 2018

09:30	Registration & Coffee	
--------------	----------------------------------	--

10:00	Welcome Remarks	Nick Cox, UK Space Agency
-------	-----------------	---------------------------

Session 8: New Strategies for EP Qualification and Entry Into Service: Chair: Neil Wallace, ESA & Co-Chair: Jorge Lopez Reig, CDTI		
10:10	EuTelSat Qualification Strategies	Cosmo Casaregola, EuTelSat
10:25	Insurance of EP Systems	Morten Pahle, Volante Global
10:40	Qualification of EP Systems	Richard Blott, Space Enterprise Partnerships
10:55	Qualification of EP Systems	Hans Leiter, Ariane Group
11:10	Qualification of EP Systems	Mariano Andrenucci, Sitael
11:25	Qualification of EP Systems	Fabrizio Scortecci, Aerospazio

11:40	COFFEE BREAK	
--------------	---------------------	--

Session 9: New Strategies for EP Qualification and Entry Into Service: Panel Discussion Chair: Neil Wallace, ESA & Co-Chair: Jorge Lopez Reig, CDTI		
12:00	EuTelSat Qualification Strategies	Cosmo Caselagari, EuTelSat
	Insurance of EP Systems	Morten Pahle, Vivet
	Qualification of EP Systems	Richard Blott, Space Enterprise Partnerships
	Qualification of EP Systems	Hans Leiter, Ariane Group
	Qualification of EP Systems	Mariano Andrenucci, Sitael
	Qualification of EP Systems	Fabrizio Scortecci, Aerospazio

12:45	LUNCH BREAK	
--------------	--------------------	--

Session 10: EP Technologies and Capabilities

Chair: Fabien Castanet, CNES & Co-Chair: Vincenzo Pulcino, ASI

13:30	Low-end Disruption & Delta-V Capability	Ane Aanesland, ThrustMe
13:45	Electric Propulsion: The Way Forward For A Spacefaring Future	Mariano Andrenucci, Sitael
14:00	Magnetic Nozzles	Mario Merino, Universidad Carlos II de Madrid
14:15	Iodine Propellant for future space missions	Franz Georg Hey, Airbus-DS Deutschland
14:30	Low Power Hall Effect Propulsion Systems for Small Satellites	Tommaso Misuri, Sitael
14:45	Hall Effect Thruster RAM-EP Concept	Angela Rossodivita, Sitael
15:00	Narrow Channel Hall Thruster for Nanosatellite Propulsion	Igal Kronhaus, Israel Institute of Technology
15:15	Hollow cathodes, resistojets, GIE and pulsed plasma thrusters	Francesco Guarducci, Mars Space Ltd
15:30	PLASMI Lab	Francesco Taccogna, CNR-Nanotec
15:45	Testing & Qualification of EP Thrusters	Bernhart Seifert, FOTEC Forschungs

16:00	COFFEE BREAK	
-------	---------------------	--

Session 11: EP Technologies and Capabilities

Chair: Peter Van Geloven, BelSpo & Co-Chair: Lisa Martin-Perez, DLR

16:15	Exotrail HET thrusters for nano/microsats	David Henri, Exotrail
16:30	GIESEPP 2 and QinetiQ updates (T5, 6, 7)	Kevin Hall, QinetiQ
16:45	New Research Capability	Aaron Knoll, Imperial College London
17:00	ARTES Developments	Michel Poucet, Bradford Space
17:15	4CDGM	Chloe Berenguer, Dedalos
17:30	EP2PLUS	Filippo Cichoki, Universidad de Carlos III
17:45	Optimising Molecular Propellants for Ion Thrusters	Peter Klar, University of Gießen
18:00	A Brief History of FEEPs - From Research to In-Orbit Results, Series Production and the Future of Space Mobility	Alexander Reissner, ENPULSION
18:15	WORKSHOP CONCLUSIONS	Jose Gonzalez Del Amo

18:15	WORKSHOP CLOSE	
-------	-----------------------	--



EPIC – Electric Propulsion Innovation & Competitiveness

