

2023 EPIC WORKSHOP - Final Program 9-12 May

TUESDAY 09/05		WEDNESDAY 10/05		THURSDAY 11/05		FRIDAY 12/05			
09:00	09:10								
09:10	09:20	REGISTRATION		ESA EPIC PSA (José Gonzalez del Amo)		ESA EPIC PSA (José Gonzalez del Amo)			
09:20	09:30								
09:30	09:40	ASI (Marco Di Clemente)		GRANT INCR 1 CHEOPS I/LP/MP and GRANT GEN 1 CHEOPS VHP BB (Vanessa Vial)		GRANT DISR 5 - PJP (Antoine Blanchet & Luc Herrero)			
09:40	09:50					GRANT DISR 6 - MINOTOR (Denis Packan)			
09:50	10:00	ESA EPIC PSA (José Gonzalez del Amo)				GRANT DISR 7 - HIPATIA (Mercedes Ruiz)			
10:00	10:10	HADEA (Florence Beroud)				GRANT DISR 8 - GANOMIC and GRANT GEN 2 - ECOPROU (Michael Dauvergne)			
10:10	10:20					BREAK			
10:20	10:30	BREAK		BREAK		BREAK			
10:30	10:40								
10:40	10:50	BREAK		GRANT INCR 3 - ASPIRE (Alena Kitaeva)		KEYNOTE 2 - IRIDE and PLATINO (Vincenzo Pulcino ASI)			
10:50	11:00	EC & HADEA (Florence Beroud)		GRANT INCR 4 - GIESEPP/GIESEPP MP (Christian Knorr)		REGULUS Propulsion System Family: Miniaturized Electric Propulsion Systems for Small Satellites (Daniele Pavarin, Technology for Propulsion and Innovation S.p.A.)			
11:00	11:10					HEMPT – Market strategy to address the applications of LEO, MEO and for small Geo Satellites (Ernst Bosh, Thales Deutschland GmbH)			
11:10	11:20	ESA (Jamila Mansouri)				Iodine-compatible Neutraliser Development for Electric Propulsion of CubeSats and Small Satellites (Philipp Becke, Airbus Defence & Space)			
11:20	11:30					Advanced Micro-Satellite Propulsion System based on 2-mN Hall-Effect Electric Thruster (Merve Balaban, Berlin Space Consortium GmbH)			
11:30	11:40					Development of a Miniaturised GIE Propulsion System for CubeSats (Stephen Gabriel, Mars Space Ltd)			
11:40	11:50	GRANT DISR 1 - AETHER (Tommaso Misuri)		NewOrbit's recent developments in atmosphere-breathing electric propulsion (Anatolii Papulov, New Orbit Space)		KEYNOTE 4 - Overview and outlook of CIRA activities on Electric Propulsion (Francesco Battista CIRA)			
11:50	12:00	GRANT DISR 2 - EDDA (Gilles Bouhours & Emmanuel Kot)		Exploration of the Neptune vicinity using ISRU technology (Konstantinos Katsonis, DEDALOS Ltd)					
12:00	12:10	GRANT DISR 3 - NEMESIS (Angel Post)		Development of an ECR Plasma Source Suitable for ABEP Applications (Krzysztof Mrozek, SpaceLabEU)					
12:10	12:20	GRANT DISR 4 - IFACT (Franz Georg Hey)		Propulsion everywhere! Water everywhere! (Alberto Garbayo, URA Thrusters)					
12:20	12:30			Development of a Miniaturised GIE Propulsion System for CubeSats (Stephen Gabriel, Mars Space Ltd)					
12:30	12:40					KEYNOTE 3 - ALCOR (Giuseppe Leccese ASI)			
12:40	12:50							ROUND TABLE 2 - EP roadmap Moderator: Davina Di Cara (ESA) Airbus DS - Fabien Malet Eutelsat - Cosmo Casaregola Exotrail - Maieul Girard Safran - Vanessa Vial Sital - Tommaso Misuri Thales Alenia Space - Michele Coletti	
12:50	13:00							ROUND TABLE 3 - EP research and startup Moderator: Mercedes Ruiz (SENER) T4I - Daniele Pavarin New Orbit Space - Anatolii Papulov University Carlos III Madrid - Eduardo Aledo ThrustME - Giulio Coral IENAI - Mick Wijnen	
13:00	13:10							BREATHE - Building a space Revolution, Electric Air-breathing Technology for High-atmosphere Exploration (Tommaso Andreussi, S. Sup. Sant'Anna & Univ. di Pisa)	
13:10	13:20							SQUID: A new concept for electric propulsion (Simone Mannori, ENEA)	
13:20	13:30	LUNCH		LUNCH		BREAK			
13:30	13:40								
13:40	13:50								
13:50	14:00								
14:00	14:10								
14:10	14:20	KEYNOTE 1 - Future EP system (Marco Di Clemente ASI & Davina Di Cara ESA)		KEYNOTE 2 - Future EP system (Marco Di Clemente ASI & Davina Di Cara ESA)		KEYNOTE 3 - ALCOR (Giuseppe Leccese ASI)			
14:20	14:30	ROUND TABLE 1 - EP qualification and IOD/IOV Moderator: Marco Di Clemente (ASI) Enpulsion - Alexander Reissner D-orbit - Simone La Luna Chalmers University of Technology - Massimo Panarotto Aerospazio Tecnologie - Fabrizio Scortecchi Thales Deutschland - Alexey Lazurenko		ROUND TABLE 2 - EP roadmap Moderator: Davina Di Cara (ESA) Airbus DS - Fabien Malet Eutelsat - Cosmo Casaregola Exotrail - Maieul Girard Safran - Vanessa Vial Sital - Tommaso Misuri Thales Alenia Space - Michele Coletti		ROUND TABLE 3 - EP research and startup Moderator: Mercedes Ruiz (SENER) T4I - Daniele Pavarin New Orbit Space - Anatolii Papulov University Carlos III Madrid - Eduardo Aledo ThrustME - Giulio Coral IENAI - Mick Wijnen			
14:30	14:40								
14:40	14:50								
14:50	15:00								
15:00	15:10								
15:10	15:20								
15:20	15:30	Test Facilities and Diagnostics for Electric Propulsion (Fabrizio Scortecchi, AEROSPAZIO TECNOLOGIE S.R.L.)		Innovative propulsion activities at Exotrail (Antonio Gurciullo, Exotrail)		Performance of the low power heaterless plasma discharge (HPD) cathode for electric propulsion applications in small satellites (Luis Conde, Universidad Politécnica de Madrid)			
15:30	15:40	Endurance Test of HEMP EVO thruster with Krypton (Alexey Lazurenko, Thales Deutschland GmbH)		Advanced electric propulsion activities at FOTEC (Laura Bettiol, FOTEC Forschungs und Technologietransfer GmbH)				Experimental activities at the Plasma and Space Propulsion Team (EP2-UC3M) (Mario Merino, Universidad Carlos III de Madrid)	
15:40	15:50							Hall thruster discharge characterization with HYPHEN in CHEOPS-LP (Adrian Dominguez, Universidad Carlos III de Madrid)	
15:50	16:00	BREAK		BREAK				Thruster-plume-facility coupled simulations with EP2PLUS (Eduardo Aledo, Universidad Carlos III de Madrid)	
16:00	16:10							Performance of the low power heaterless plasma discharge (HPD) cathode for electric propulsion applications in small satellites (Luis Conde, Universidad Politécnica de Madrid)	
16:10	16:20								
16:20	16:30								
16:30	16:40	Performance characterization of ATHENA with time-of-flight spectroscopy and faraday probe measurements for different ionic liquids (David Villegas-Prados, IENAI SPACE)		Multifunctional PPU (Martin Blaser, Advanced Space Power Equipment GmbH) - Companies session 4		Open to students onsite			
16:40	16:50	Plasma plume structure of the Alternative Low Power Hybrid Ion Engine (alpha) (Jorge Gonzalez, ARCNL)		PPU Developments at Thales Alenia Space in Belgium (Eric Bourguignon, Thales Alenia Space in Belgium)				Chair: Vincenzo Pulcino (ASI) Rapporteur: Nicolas Danikow (DLR)	
16:50	17:00	Designing the next generation FEEP propulsion systems by utilizing the flight heritage from 163 thrusters (David Krejci, ENPULSION)		Airbus DS - PPU new developments for HET and technologies status (Trehet Eric, AIRBUS DEFENCE AND SPACE)				Chair: Piere Lionnet (Eurospace) Rapporteur: Fabien Castanet (CNES)	
17:00	17:10	Initial High Pressure Krypton Functional Performance Results of the Fluid Management System (Johan Kuiper, Bradford Engineering)		Airbus DS PPU for GIT: new developments and technologies status (Javier Torres, Airbus Crisa)				Chair: Fabien Castanet (CNES) Rapporteur: Javier Rodriguez (CDTI)	
17:10	17:20							Chair: Peter Vangeloven (BELSPO) Rapporteur: Marco Di Clemente (ASI)	
17:20	17:30								
17:30	17:40								
17:40	17:50								



Open to students onsite

