

ArianeGroup 12th R&T DAYS			
Mobility in Space 2.0 – New Logistics Solutions			
March 23rd, 2023			
7h30-8h15	Registrations and Welcome Coffee		
8h15-8h20	Joining the Conference Room		
Session 0	Introduction		
8h20-8h25	R&T Days Event & Logistics	Nadja Wolf - Hervé Gilibert	ArianeGroup
8h25-8h35	Welcome Address	André-Hubert Roussel	ArianeGroup
8h35-8h45	Welcome Address	Prof. Dr.-Ing. Anke Kaysser-Pyzalla	DLR
8h45-9h00	Mobility in Space 2.0 – New Logistics Solutions at ArianeGroup	Hervé Gilibert	ArianeGroup
Session 1	2030 – 2040 +, a Big Picture		
	Chaired by Nadja Wolf, ArianeGroup & Andreas Rittweger, DLR		
9h00-9h25	Logistics for Space: a new Dimension in Europe	Joost van Tooren	ArianeGroup
9h25-9h50	Space Security & Defense	Marcus Sonntag	ArianeGroup
9h50-10h20	Coffee Break		
Session 2	Access to Space, a Launchers Family		
	Chaired by Cédric Renault, ArianeGroup & Jérôme Breteau, ESA		
10h20-10h45	THEMIS: the European Reusable Demonstrator	Charles Bertorello	ArianeGroup
10h45-11h10	Responsive Space	Wolfgang Jung	DLR
11h10-11h35	High Thrust Liquid Propulsion	Emmanuel Edeline & Gerald Hagemann	ArianeGroup
11h35-12h00	RLV Research: System Studies & Demonstrators	Andreas Rittweger	DLR
12h00-12h20	Questions & Answers		
12h20-13h40	Buffet Lunch		
Session 3	In Space Missions		
	Chaired by Joost van Tooren, ArianeGroup & Julien Lamamy, I-Space Europe		
13h40-14h00	Future Versatile Logistics Vehicles	Arturs Jasjukevics	ArianeGroup
14h00-14h20	Space Domain Awareness: Evolutions of Technologies & Services	Marcel Becker	ArianeGroup
14h20-14h40	Space Defense & Orbital Mobility Perspective	Colonel Jérôme Dufour	ArianeGroup
14h40-15h00	In Orbit Robotic Manufacturing and Assembly	Christophe Figus	AIRBUS Defense & Space
15h00-15h20	Orbital Servicing Missions: Proofs of Concepts	Stéphanie Behar-Lafenêtre	Thales Alenia Space & DLR
15h20-15h45	Questions & Answers		
15h45 - 16h15	Coffee Break		

Session 4	Metals and Composites		
	Chaired by Guy Larnac, ArianeGroup & Hendrik Weihs , DLR		
16h15-16h35	Additive Layer Manufacturing: Status & Perspectives	Raphaël Salapete	ArianeGroup
16h35-16h55	Composite Technologies for Mobility in Space	Markus Quadts & Alexis Villemain	ArianeGroup
16h55-17h05	Questions & Answers		
Session 5	Mission Management		
	Chaired by Patricia Cambresy, ArianeGroup & Stephan Theil, DLR		
17h05-17h25	Cryogenic Propellant Management for long Duration orbital Missions	Philipp Behruzi	ArianeGroup
17h25-17h45	Artificial Intelligence for GNC	Pericles Cocaul	ArianeGroup
17h45-17h55	Questions & Answers		
Session 6	Day 1 Conclusion		
17h55-18h00	Conclusion & Rendez-Vous for Gala Dinner	Nadja Wolf	
19h-23h00	Gala Dinner		

March 24th, 2023			
8h00-8h25	Late Registrations and Welcome Coffee		
8h25-8h30	Joining the Conference Room		
Session 7	Special Guest Keynote		
	Chaired by Nadja Wolf & Mathieu Chaize, ArianeGroup		
8h30-9h00	Special Guest Keynote	Thomas Reiter	Astronaut, DLR, ESA
Session 8	Agencies Panel		
9h00-9h40	A discussion panel animated by: Mathieu Chaize, ArianeGroup		
		Agata Jozwicka	ESA
		Holger Burkhardt	DLR
		Jean-Marc Bahu	CNES
		Manuel Metz	DLR
9h40-10h00	Questions & Answers		
10h00-10h30	Coffee Break		
Session 9	Technologies Maturation & Roadmaps, Vision 2030		
	Chaired by Nadja Wolf & Cédric Renault, ArianeGroup		
10h30-10h55	R&D for Space	Dr. Susann Groß	DLR
10h55-11h20	Elements of Green Propulsion for Space Logistics	Sebastian Soller	ArianeGroup
11h20-11h45	Reentry Technologies Roadmap	Marco Prampolini	ArianeGroup
11h45-12h10	Technology Overall Vision 2030 - 2040	Raphaël Salapete	ArianeGroup
12h10-12h30	Questions & Answers		
Session 10	12th R&T Days Conclusions		
	Chaired by Nadja Wolf & Cédric Renault, ArianeGroup		
12h30-12h50	For Successful Partnership	Philippe Briant	ArianeGroup
12h50-13h00	Questions & Answers		
Session 11	12th R&T Days Conclusions		
13h00-13h05	Bremen Event Conclusions	Nadja Wolf	ArianeGroup
13h05-13h15	Perspectives	Cédric Renault	ArianeGroup
13h15-14h30	Buffet Lunch		