



# ESA IP-CCI

## Wednesday, 28 June 2023

### Workshop 2 - Advanced Airbreathing Propulsion: Welcome and agenda - Newton 1 (10:45 - 11:00)

### Workshop 2 - Advanced Airbreathing Propulsion: Presentations by industry - Newton 1 (11:00 - 13:00)

time	[id] title	presenter
11:00	[186] Recent progress in precooled propulsion at Reaction Engines	VARVILL, richard
11:13	[182] Acceleration phase of an air-breathing hypersonic vehicle	SARACOGLU, Bayindir
11:26	[180] Scramjet Propulsion: Technological Challenges and related Research Opportunities in aerothermodynamic modelling, testing and diagnostics	MARTINEZ SCHRAMM, Jan
11:39	[181] Preparation of a specific state of flow for scramjets	WARTEMANN, Viola
11:52	[184] Ideas for New Airbreathing Propulsion Facilities	MARINI, Marco
12:05	[185] Health Monitoring of Critical Advanced Space propulsion Components	RIEHMER, Johannes
12:17	[183] TNO's aeropropulsion facility: current status and foreseen improvements	WIELING, Wolter
12:30	[193] Closing the Disconnect Between Fundamental Research and Flight System Design	DOHERTY, Luke
12:43	[194] Needs for system level analyses and engineering tools for innovative propulsion at European level	ARANDA ROSALES, MARIA

### Workshop 2 - Advanced Airbreathing Propulsion: Open discussion - Newton 1 (14:00 - 15:50)

time	[id] title	presenter
14:00	[190] Discussion of roadmap, technology needs (TRL-based)	
15:20	[191] Draft update of the white paper	

### Workshop 2 - Advanced Airbreathing Propulsion: Summary & close-out - Newton 1 (15:50 - 16:00)