

Day 1, March 26, 2026 - Newton Room			
Time	Title	Presenter	Institution
08:30	Registration		
09:30	Welcome and introduction to the Mechanisms FPD 2026	Lionel Gaillard	ESA
09:55	X-Lab presentation and introduction (presentation of in-house innovative ideas, ideally before the gas bearing RW activities)	Stefan Heindel	ESA
10:10	Smart stepper motor drive	Philipp Eggers	ESA
10:15	ESA mechanisms microvibration testing capabilities	Sandro Patti	ESA
10:30	A fine pointing mechanism BBM for Aeolus-2	Peter Spanoudakis	CSEM
10:55	Break		
11:15	Ongoing and future activities at ESTL 2026	Simon Lewis	ESTL
11:40	Phenolic Cage Impregnation Process Variability - Lessons Learnt	Mike BATTERY	ESTL
12:05	New Options for PFAS-free Creep Barriers	AK/Mike BATTERY	ESTL
12:30	Low Temperature and Transfer Film Behaviours of SLMs	Matt Simpson	ESTL
12:55	Lunch break		
14:00	Gas Bearing Reaction Wheel	Stan Verhellen	Veoware
14:25	AirWheel - A reaction wheel with Gas Bearings supplied with ultrasonic pumps	Adrian Stroschke	Astrofein
14:50	Bearing Technology enabling European Low-Microvibration Reaction Wheels	Mante Baekeland	Belgium
15:15	Innovative methodology to proactively diagnose ball bearing cage instability	Sébastien Assouad	APOGEE
15:40	Break		
16:00	Ball Bearings Labyrinths Modelling And Oil loss testing	Armen Jaworski	CIM-MES, AAC, Nengineering
16:25	Labyrinth Seal Design for Evaporation Mitigation	Josef Pouzar	Brno University of Technology
16:50	Release Actuator Portfolio - Introduction and Lessons Learned	Florian Guenther	Space Lock
17:15	Conclusion of Final Presentation Day 1	Lionel Gaillard	ESA

Day 2, March 27, 2026 - Newton Room			
09:00	Welcome to the Mechanisms FPD 2026 - Day 2	Lionel Gaillard	ESA
09:05	Reusable Shape Memory Shock Absorption Elements for Future Landing Systems using Additive Manufacturing	Eleonore Poli	CSEM
09:30	LEEFI for launchers	Alfons Mayer	TNO/DIEHL
09:55	Cost and Lead-Time Optimization for Stepper Motors	Cyril Trial	Safran
10:20	Magnetically Levitated Centrifugal Pump	Guzmán Borque Gallego	CSEM
10:45	Break		
11:05	Piezoelectric motors tribology for space exploration applications	Mike Anderson	ESTL and CTEC
11:30	Gear De-RISK	Torgeir Lillemoen	Kongsberg
11:55	Magnetorheological Semi-Active Vibration Damping	Mikel Garcia	SENER
12:20	Compliant structures with integrated passive damping for innovative precision guiding systems	Hervé Saudan	CSEM
12:45	Conclusion of Final Presentation Day 2	Lionel Gaillard	ESA