

WorkShop Moon Navigation and Exploration

Day 1: 14/10/2025

9:00	10:00	arrival at ASI and registration
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Morning session (Auditorium)

Moon Navigation and Exploration (chairman: Giancarlo Varacalli)		
10:00	10:15	Opening
10:15	10:30	Welcome from Teodoro Valente ASI President
10:30	10:40	Introduction (ASI) (<i>Roberto Formaro</i>)
10:40	11:00	Overview of Moon activities (NASA) (<i>Joel Parker</i>)
11:00	11:30	Shaping the future of Satellite Navigation (ESA) (<i>Marco Falcone</i>)
11:30	11:50	MoonLight (ESA) (<i>Monica Gotta</i>)
11:50	12:10	MoonLight (ESA) (<i>Cosimo Stallo</i>)
12:10	12:30	The EU vision on Galileo for innovative services (EUSPA) (<i>TBD</i>)
12:30	13:00	Overview of Moon Exploration (ASI) (<i>Gabriele Mascetti</i>)

13:00 14:00 Lunch Break

Afternoon Session (Auditorium)

LUGRE Mission -science (ASI chairman: C.Facchinetti)		
14:00	14:20	Experiment gnss signals on moon environment (ASI) (<i>M.Musmeci</i>)
14:20	14:30	Introduction to Technical approach (Qascom) (<i>O.Pozzobon</i>)
14:30	15:00	Overview of the Mission (NASA / PoliTo) (<i>J.Parker / F.Dovis</i>)
15:00	15:20	Technology Perspective Achievement of the LuGRE Mission (Qascom) (<i>S.Fantinato</i>)
15:20	15:40	Coffe break
15:40	16:00	LuGRE Payload Development and Qualification (Qascom) (<i>E.Miotti</i>)
16:00	16:30	Data analysis approach (PoliTO) (<i>F.Dovis</i>)
16:30	16:45	Mission results (<i>A.Minetto</i>)
16:45	17:00	LuGRE Navigation Message Demodulation at the moon surface including EWS experiment (Qascom) (<i>O.Pozzobon / S.Fantinato</i>)
17:00	17:30	Round table (NAV & Moon): next steps? Tech gaps? (<i>ASI moderator: M.Musmeci</i>)

Day 2: 15/10/2025

Morning session (Auditorium)

		LUGRE technology overview (ASI chairman: M.Musmeci)
10:00	10:20	Insights on LuGRE mission (Qascom) (<i>O. Pozzobon</i>)
10:20	10:40	LuGRE Mission Operations Data Flow and Ground Segment (Qascom) (<i>M.Boschiero</i>)
10:40	11:00	LuGRE Receiver Data Analysis and Performance Summary (Qascom) (<i>F. Bernardi</i>)
11:00	11:20	Coffe break
11:20	11:50	Data Access Tools use (PoliTo) (<i>A.Minetto</i>)
11:50	12:20	Demo of LuGRE data access (PoliTo) (<i>A.Nardin</i>)
12:20	12:55	Opening ceremony for the LuGRE mission data public access

13:00 14:00 Lunch Break

Afternoon Session (Auditorium)

		Future exploration of the Moon (ASI chairman: M. Di Clemente)
14:00	14:20	Introduction to Moon Tech development (ASI) (<i>G.D'amore</i>)
14:20	14:40	Moonlight (Telespazio) (<i>F.Cannone</i>)
14:40	15:00	ODTS architecture of Moonlight (Univ.La Sapienza)(<i>M.di Benedetto</i>)
15:00	15:20	Infrastructures, solutions and Technologies for Lunar Navigation and exploration (Thales Alenia Space-I) (<i>Q. Morante</i>)
15:20	15:40	Coffe break
15:40	16:00	Garspace lesson learnt (Qascom) (<i>R. Longo / F.Bernardi</i>)
16:00	16:20	Technology developments for lunar exploration (ASI) (<i>R.Votta</i>)
16:20	16:40	Lunar laser ranging (ASI) (<i>S.Pirrotta</i>)
16:40	17:00	Oracle (ASI) (<i>F.Latini</i>)
17:00	17:20	Round Table and closing remarks (ASI)