

CO-ORGANIZED BY



EUROPEAN VLBI GROUP FOR GEODESY AND ASTROMETRY (EVGA)

# EVGA 2025 MEETING

6TH – 11TH APRIL 2025  
MATERA, PALAZZO VICECONTE

SPONSORED BY



# Program EVGA2025

## Sunday, 6<sup>th</sup> April 2025

Entrance

**Icebreaker and registration**

Register, meet your friends, talk to your colleagues

18:00–21:00

## Monday, 7<sup>th</sup> April 2025

Meeting Hall

**Welcome**

Rüdiger Haas, Francesco Vespe

08:45–09:00

### Session 1.1

**Chairperson: Nataliya Zubko**

García Castellano	A-15	O-01	Santa Maria Raege Station Overview and Developments	09:00–09:15
Pfaffinger	A-24	O-02	The Hartebeesthoek Terrestrial Laser Scanning Project – Concept And First Results	09:15–09:30
Garramone	A-30	O-03	VLBI Activities at Matera Space Geodesy Center	09:30–09:45
<i>Stretch your legs break</i>				<i>09:45–10:00</i>

### Session 1.2

**Chairperson: Susana Garcia Espada**

Lopez Perez	A-29	O-04	Broadband Receiver Developments for VGOS Radiotelescopes at Yebes Observatory	10:00–10:15
Neidhardt	A-69	O-05	The Potential of System Monitoring	10:15–10:30
Handirk	A-47	O-06	Connecting Geodetic VLBI Telescope Generations at The Ny- Ålesund Geodetic Earth Observatory Through	10:30–10:45
<i>Coffee break</i>				<i>10:45–11:15</i>

### Session 1.3

**Chairperson: Karine Le Bail**

Tornatore	A-48	O-07	Radio Frequency Compatibility of VGOS and DORIS Stations	11:15–11:30
Bernhart	A-51	O-08	A Report on new VGOS Frequency Sequences Test Observations	11:30–11:45
Hase	A-36	O-09	Status Of The Spectrum Management For VGOS	11:45–12:00
<i>Stretch your legs break</i>				<i>12:00–12:15</i>

Session 1.4			Chairperson: Simone Bernhart	
He	A-60	O-10	Recent Status of the Shanghai Correlator	12:15–12:30
González García	A-75	O-11	The Raega Correlator at Yebes Observatory: Description and Status	12:30–12:45
Haas	A-52	O-12	Towards VLBI With ESA's Genesis Satellite	12:45–13:00
<i>Lunch break</i>				13:00–14:30

Session 1.5			Chairperson: Maria Karbon	
Schunck	A-50	O-13	VLBI Observations to GNSS Satellites Using the Australian VGOS Array	14:30–14:45
Gan	A-61	O-14	Observation of Chang'e 5 Orbiter with Shanghai and Urumqi VGOS Antennas	14:45–15:00
Bruni	A-58	O-15	Invaluable Lunar-Based Interferometry Enabled by ESA's Novamoon Mission	15:00–15:15
<i>Stretch your legs break</i>				15:15–15:30

Session 1.6			Chairperson: Vincenza Tornatore	
Kinman	A-22	O-16	Flux Monitoring at VGOS Frequencies with the Onsala Twin Telescopes	15:30–15:45
Nothnagel	A-09	O-17	Effective Frequencies and Ionosphere Calibration of Legacy S/X Data	15:45–16:00
Zubko	A-02	O-18	Systematic Errors in VGOS Differential Ionospheric Total Electron Content	16:00–16:15
<i>Coffee break</i>				16:15–16:45

## Splinter Meetings

### Tarot Hall

VTC meeting	(closed)	Pepe et al.	17:00–18:00
<i>Meeting Hall</i>			
IVS WG 9 meeting	(open)	Karine le Bail et al.	18:00–19:00

Poster viewing	17:00–20:00
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# Tuesday, 8<sup>th</sup> April 2025

Meeting Hall

Session 2.1			Chairperson: Lucia McCallum	
Le Bail	A-57	O-19	VLBI-Scale of the ITRF2020-U2023	09:00–09:15
Kern	A-08	O-20	The VLBI Scale Drift: Current Status and Remaining Challenges	09:15–09:30
Seitz	A-19	O-21	DTRF2020_U2023: the Update of DTRF2020	09:30–09:45
<i>Stretch your legs break</i>				09:45–10:00
Session 2.2			Chairperson: Hana Krasna	
Jacobs	A-23	O-22	The JPL 2025a Terrestrial and Celestial Reference Frames	10:00–10:15
Nilsson	A-45	O-23	Evaluation of Terrestrial and Celestial Reference Frames Estimated from VGOS Data	10:15–10:30
Krasna	A-11	O-24	VGOS CRF: Celestial Reference Frame from The VLBI Global Observing System Until 2024	10:30–10:45
<i>Coffee break</i>				10:45–11:15
Session 2.3			Chairperson: Lisa Kern	
Schartner	A-12	O-25	A Global Troposphere Model for VLBI Simulation	11:15–11:30
Laha	A-17	O-26	Impact of Atmospheric Turbulence on VGOS Telescope Location in India	11:30–11:45
Haas	A-54	O-27	Microwave Radiometer Observations for VGOS Data Processing	11:45–12:00
<i>Stretch your legs break</i>				12:00–12:15

**Session 2.4** **Chairperson: Manuela Seitz**

Kehm	A-31	O-28	Characteristics of Different VLBI Session Types in the View of Earth Orientation Parameter Determination	11:15–11:30
Modiri	A-33	O-29	Evaluating the Consistency and Reliability of DUT1 Estimates from VLBI Intensive Sessions	11:30–11:45
Klemm	A-44	O-30	Enhancing Regularity and Accuracy of VLBI EOP Products	11:45–12:00

*Lunch break*

*13:00-14:30*

**Poster viewing** **17:00–20:00**

*Rings Hall*

**Gala Dinner** **18:00–23:59**

## **Wednesday, 9<sup>th</sup> April 2025**

*Meeting Hall*

**Session 3.1** **Chairperson: Monia Negusini**

Jaron	A-26	O-31	Mitigating Source Structure on the Visibility Level	09:00–09:15
Xu	A-65	O-32	Variations in the Quad- Band Source Positions from VGOS Observations	09:15–09:30
Wolfs	A-74	O-33	Source Structure Informed Scheduling for VGOS Intensive Sessions	09:30–09:45

*Stretch your legs break*

*09:45-10:00*

<b>Session 1.7</b>			<b>Chairperson: Daniela Thaller</b>	
Xu	A-40	O-34	Enhancing Geodetic Precision in the East Asian VLBI Network with K-Band Observations	10:00–10:15
Ferrándiz	A-68	O-35	Evidence for the Need to Use Corrections for Planetary Nutations in the Modelling of Celestial Pole Offsets	10:15–10:30
Belda	A-38	O-36	Searching for Evidence of Free Inner Core Nutation in VLBI Data	10:30–10:45
<i>Coffee break</i>				<i>10:45–11:15</i>

<b>Session 3.2</b>			<b>Chairperson: Sara Bruni</b>	
McCallum	A-04	O-37	New Gravitational Deformation Model of the Hobart26 VLBI Telescope	11:15-11:30
Wolf	A-43	O-38	Impact of the Inclination of Genesis on the VLBI Terrestrial Reference Frame	11:30-11:45
Karbon	A-21	O-39	Signals in Station Positions Revealed by VGOS	11:45-12:00
Negusini	A-16	O-40	Geodetic K-Band VLBI Observations for the Clock Comparison	12:15-12:30
<b>Closing remarks</b>	<b>EVGA Rüdiger Haas &amp; new EVGA Chair</b>			12:30-12:45
<i>Lunch</i>				<i>12:45-14:15</i>

*Departure: via Ugo La Malfa (Matera Train Station)*

<b>Guided visit to ASI Space Centre in Matera</b>		<b>14:30-20:00</b>
Registration		15:00-15:30
Guided visit		15:30-16:30
Inauguration ceremony		16:30-17:00

# Thursday, 10<sup>th</sup> April 2025

## IVS Day

### *Meeting Hall*

<b>IVS Analysis Workshop</b>	<b>B. Soja et al.</b>	<b>09:00–13:00</b>
<i>Lunch</i>		<i>13:00–14:30</i>

### *Tarot Hall*

<b>Splinter meeting on ICRF</b>	<b>(closed) P. Charlot et al.</b>	<b>14:30–17:30</b>
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### *Meeting Hall*

<b>IVS session gurus</b>	<b>(open) Lucia McCallum et al.</b>	<b>14:30–16:30</b>
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### *Meeting Hall*

<b>IAG 1.4</b>	<b>(open) Maria Karbon et al.</b>	<b>16:30–18:30</b>
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# Friday, 11<sup>th</sup> April 2025

## IVS Directing Board Meeting

By invitation only

Special agenda distributed to IVS DB members