

ICG Multilateral Ionospheric Workshop

Date: 25–26 June 2025

Location: Vienna International Centre, Austria

Co-Chairs: Manuel Hernández-Pajares (Spain) and Qi Liu (China)

Day 1 (25 June 2025)

9:30-13:00 | Session 1: Overview of Ionospheric Impacts on GNSS (Part I)

Chair: Manuel HERNÁNDEZ-PAJARES

Time (CEST)	Presentation Title	Presenter
10:00-10:10	Opening Remarks and Agenda Introduction	Co-Chairs
10:10-10:30	Comparative assessment of single frequency GNSS ionospheric broadcast models during the May 10, 2024 geomagnetic storm event	Devanaboyina Venkata RATNAM (India) (online)
10:30-10:50	GNSS ionospheric integrity monitoring based on RBF-NN: Constructing single-epoch snapshot GIVD and GIVE maps	Yunri FU (China) (online)
10:50-11:10	Investigate the ionosphere effect on GNSS signals propagation over the Algerian region	Omar HAMMOU ALI (Algeria) (online)
11:10-11:30	Ionospheric irregularities and their impact on GNSS signals in the polar regions	Wojciech MILOCH (Norway)
11:30-11:50	Coffee Break	-
11:50-12:10	Response of the ionosphere to the 2013 SSW event	Omena IDOLOR (Nigeria) (online)
12:10-12:30	Effects of high ionospheric activity on PPP	Marcus Franz WAREYKA-GLANER (Austria)
12:30-12:50	Comparative analysis of ionospheric plasma dynamics during space weather events across the equatorial African,	Patrick ESSIEN (Ghana)

Time (CEST)	Presentation Title	Presenter
	South American, and Asian Regions during solar minimum	
12:50-13:10	The impact of the extreme geomagnetic storm of 10-11 May 2024 on GNSS ionospheric models and positioning	Qiang ZHANG (China)
13:10-13:30	Discussion	-
13:30-15:00	Lunch Break	

15:00-17:30 | Session 2: Applicable Strategies and Collaborative Actions (Part II)

Chair: Manuel HERNÁNDEZ-PAJARES

Time (CEST)	Presentation Title	Presenter
15:00-15:20	Ionospheric perturbations and GOVSATCOM's potential service disruption during the October 2024 extreme space weather event	Kamila KABO-BAH (Poland)
15:20-15:40	Ionospheric response to the geomagnetic storms of May and October 2024	Chukwuma ANORUO (Brazil) (online)
15:40-16:00	Coffee Break	-
16:00-16:20	Mid-latitude GPS scintillation and position errors during 10-11 May and October 2024	Waqar YOUNAS (USA) (online)
16:20-16:40	OASIS: an Open-access system for ionospheric studies	Giorgio Arlan da SILVA PICANÇO (Brazil) (online)

Time (CEST)	Presentation Title	Presenter
16:40-17:00	A review on real-time global ionospheric maps and potential refinements	Ningbo WANG (China)
17:00-17:30	Discussion	-

Day 2 (26 June 2025)

9:30-13:00 | Session 3: Recommendations and Conclusions (Part II)

Chair: Qi LIU

Time (CEST)	Presentation Title	Presenter
9:30-9:50	Aircraft approach and landing performance with SBAS during peak solar cycle 25	Narayan DHITAL (Germany) (online)
9:50-10:10	A machine learning-based (AA)2 GNSS PNT TEC/ionospheric delay prediction model built upon an observations data base of long-term geomagnetic field density components	Renato FILJAR (Croatia)
10:10-10:30	Collaborative research in ionospheric irregularities in ASEAN region	Pornchai SUPNITHI (Thailand) (online)
10:30-10:50	Toward standardized and policy-aligned use of GNSS in disaster management under ionospheric disturbances	Hassan Mohamed Galal Mohamed ABOUSEADA (Egypt)
10:50-11:10	Coffee Break	-
11:10-11:30	Development of regional ionospheric model (RIM) for the United Arab Emirates	Abdulla Mohamed AL NAQBI (United Arab Emirates)

Time (CEST)	Presentation Title	Presenter
11:30-11:50	Continuous doppler sounding system inclusion evaluation for the GNSS performance indicator	Jaroslav URBÁŘ (Czech Republic)
11:50-12:10	Evaluation of ionospheric delay correction models for GPS, Galileo, and BDS-3 in single-frequency SPP mode	Pawel WIELGOSZ (Poland) (online)
12:10-12:30	Recommendation for international cooperation on ionospheric monitoring and early warning	Qi LIU (China)
12:30-13:00	Discussion and summary report: Global collaboration and recommendations to ICG	-
13:00	Adjourn	
