

The 2nd EPB Workshop on Scientific Challenges in Ionospheric Plasma Bubble Forecasting

Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS)

Meeting Place: Research Building No.1, 3rd floor, Room No. 5

Conference Chair: Weixing Wan

Conveners: Hisao Takahashi, Yuichi Otsuka

Secretary: Guozhu Li, Haiyong Xie, Xiukuan Zhao

Program: 13 September (Friday)

15:00-17:00

Program: 14 September (Saturday)

Time
schedule

Invited talk with 30 min

08:40-08:50 Opening remarks

Chairperson: Zuo Xiao, Tatsuhiro Yokoyama

08:50-09:20 Nanan Balan, "A low latitude minimum in ionospheric irregularities"

09:20-09:50 Jiyao Xu, "The ground-based airglow network over China and some recent observation results on plasma bubble"

09:50-10:20 Tatsuhiro Yokoyama, "Seeding, structuring, and decaying of equatorial plasma bubbles simulated by high-resolution bubble (HIRB) model"

10:20-10:40 Coffee Break

10:40-11:10 Yuichi Otsuka, "Day-to-Day Variations of Pre-reversal Enhancement and Zonal Velocity of Equatorial Plasma Bubbles: Comparison between Ground-Based Observations and GAIA"

11:10-11:40 Luca Spogli, "Equatorial Plasma Bubbles and L-band scintillation: experimental evidences from climatology and Space Weather events"

11:40-12:00 Ednofri, "Impact of plasma depletion on the occurrence of scintillation in the minimum years phase of solar cycle 23"

12:00-13:40 Lunch

Chairperson: Jiyao Xu, Luca Spogli

13:40-14:10 George Liu, "Inconsistent ROTI in ionospheric irregularity characterization: Revealed from multi-constellation GNSS observations of Globally distributed GNSS receivers"

14:10-14:40 Jiuhou Lei, "Meso-scale ionospheric variations revealed from the Beidou geostationary orbit (GEO) satellites"

14:40-15:10 Hisao Takahashi, "Equatorial Plasma Bubble seeding through dynamical coupling of Troposphere to Ionosphere"

15:10-15:30 K.K. Ajith "The development of periodic Equatorial Plasma Bubbles by gravity wave seeding"

15:30-15:50 Coffee Break

15:50-16:20	Gang Chen, "Hainan Coherent Scatter Phased Array Radar (HCOPAR) and its Observations"
16:20-16:50	S. Tulasi Ram, "Dilatory and downward development of 3-meter scale irregularities in the Funnel-like region of equatorial plasma bubble"
16:50-17:20	Chen Zhou, "Investigation of Ionospheric E-F Coupling based on Low- and Mid-latitude Irregularity Observation in China Region"
17:20-17:40	Lianhuan Hu, "Characteristics of Ionospheric irregularity observed by VHF radar and GNSS scintillation/TEC receivers at Sanya"

Program: 15 September (Sunday)

Time schedule	Invited talk with 30 min
	Chairperson: Jiuhou Lei, Yuichi Otsuka
08:40-09:10	Takuya Tsugawa, "A project to install a VHF radar at Chumphon, Thailand for monitoring plasma bubbles"
09:10-09:40	Prayitno Abadi, "Study of ionospheric plasma bubble in Southeast Asia by using ionosondes and the GOCE satellite"
09:40-10:00	Guozhu Li, "An ionospheric observation network for irregularity and scintillation in East/Southeast Asia: current status and future plan"
10:00-10:20	Coffee Break
10:20-10:40	Chao Xiong, "Phase and amplitude scintillations for GPS receivers on board the Swarm and GOCE satellites"
10:40-11:00	Lingqi Zeng, "Sanya ISR and preliminary results"
11:00-12:00	Round Table (model, new measurements, workshop special issue, ...)
12:00-14:00	Lunch
14:00-17:00	Visiting Beijing observatory