2023.07.31

PRISM Seminar Series

1. F7 Mission/Cosmic-2

Radio occultation: Message from signal path, Vicky Chu (1)

FORMOSAT-7/COSMIC-2 Radio Occultation Data in the Troposphere and the Application of GNSS Data in Numerical Weather Prediction, Shu-Ya Chen (1)

Exploring the Geospace Dynamics using FORMOSAT-7/COSMIC-2, Charles Lin (1)

2. F8 Mission

Introduction to Formosat-8 Remote Sensing Satellite Program, Steven C.R. Chen (1)

Studies on atmospheric electricity, ionospheric physics and high energy physics by Dual-band Imager of Atmospheric Transient (DIAT) and electron temperature and density probe (TeNeP), Alfred Chen (1)

The Gamma-ray Transients Monitor (GTM) on board FS-8B, Hsiang-Kuang Chang (1)

3. GNSS-R : Instrument, Data processing and Calibration

CYGNSS Mission Overview, Chris Ruf (4)

Current status of TRITON mission, Yung-Fu Tsai (4)

Overview of CYGNSS Level 1 Data Products and Lessons Learned, Mohammad Al-Khaldi (4)

Processing and Calibration in the TRITON GNSS-R Receiver, Jyh-Ching Juang (4)

Combining the new ocean observations for a new wind speed retrieval algorithm, Hua Chien (4)

Ocean surface wind retrieval using CYGNSS GNSS-R measurements, Rajeswari

Balasubramaniam (4)

The software-based GPS-R receiving network in Taiwan for ocean monitoring, Lung- Chih Tsai (4)

Cyclone Global Navigation Satellite System (CYGNSS) Air-Sea Flux Applications, Derek Posselt (4)

Assimilation of CYGNSS Data for Improved Hurricane Analysis and Prediction, Zhaoxia Pu (4)

A primer on soil moisture and GNSS-R, Clara Chew (4)

On the use of CYGNSS for inland water applications, Hugo Carreno (4)

Impact of assimilating the GNSS-R wind data on severe weather prediction, Shu-Chih Yang (4)

4. Space Instrumentation

In-situ measurement of magnetic and electric fields in the space, Ayako Matsuoka (3)

Optical observations of planetary atmosphere and ionosphere, Shigeto Watanabe (3)

Plasma/particle measurements in space, Yoshifumi Saito (3)

Measurement of ionospheric plasma density and electron temperature, Koh-Ichiro Oyama (3)

The Submillimetre Wave Instrument on JUICE: science goals and technical challenges, Paul Hartogh(9)

Lithium cloud experiment to measure neural wind in the lower thermosphere. Shigeto Watanabe(10)

5. Meteorological & Environmental Remote Sensing Virtual Online Seminar

The History and Status of NOAA's GOES-16/17(and a glimpse to the future), Timothy Schmit (2)

Very First Atmospheric Vertical Sounding Measurements from Space NIMBUS 1969
The Evolution of Hyperspectral Atmospheric Soundings from Satellites, William L. Smith Sr. (2)

Convective influence on the North American Monsoon anticyclone, Kai-Wei Chang (2)

UW-CIMSS Tropical Cyclone Intensity Estimation Algorithms, Tim Olander (2)

Toward aerosol-aware data assimilation: The response of GSI/CRTM to the presence of aerosols, Shih-Wei Wei (2)

Introduction to Synthetic Aperture Radar, Koo Voon Chet (5)

Big SAR data intelligence in InSAR and PolSAR, Akira Hirose (5)

Monitoring Natural Hazards by InSAR: Challenge and Perspective, Jyr-Ching Hu (5)

The Principles of Synthetic Aperture Radar (SAR) Imaging, Chiung-Shen Ku (5)

6. Space System Engineering

如何有效執行衛星計畫, 祝飛鴻教授(8)

衛星軌道種類及其應用, 張桂祥教授(8)

衛星本體架構簡介, 張桂祥教授(8)

衛星計畫執行實例, 祝飛鴻教授(8)

7. Cubesat

Space weather cubesat: Lessons learned from the Suomi 100 cubesat project, Kallio Esa(7)
Coulomb Drag Propulsion,Pekka Janhunen(11)

Optical Remote Sensing of the Earth from Nano/Microsatellites, Junichi Kurihara(12)

8. New space activity

Luxemburg Space Ecosystem, Jordan Vannitsen(6)

不公開:

福爾摩沙衛星五號之研發實例與心得, 張和本博士(8)

未分類:

Electron number density and plasma wave measurements in the sounding rocket experiments, Atsushi Kumamoto(13)

Science instruments to observe the ionospheric thermal plasma, Takumi Abe(14)

Infrasound, inaudible over-pressure waves coupled with many kinds of geophysical events in the atmosphere, Masa-yuki Yamamoto(15)

Plasma/particle measurements in space(16)