

PASI SCHOOL/WORKSHOP (6-day Program)

SUNDAY, 3 October

20:00- Icebreaker/Reception

SCHOOL/WORKSHOP SCHEDULE

MONDAY, 4 October: Atmospheric Dynamics

08:30-09:00 Levato/Brunini/Janches Welcome and Introduction
09:00-10:30 R. Garcia (NCAR) Introduction to Dynamics and Transport
10:30-11:00 Break
11:00-12:30 R. Lieberman (NWRA) Tides in the Middle Atmosphere
12:30-14:30 Lunch and informal discussions
14:30-16:00 D. Fritts (NWRA) Nonlinear Gravity Wave Dynamics, Instabilities and Turbulence, and their Atmospheric Effects
16:00-16:30 Break
16:30-18:00 J. Alexander (NWRA) Estimating Gravity Wave Momentum Fluxes from Observations
18:00-19:00 Student presentations

TUESDAY, 5 October: Atmospheric Chemistry

09:00-10:30 A. Smith (NCAR) HO_x-O_x Chemistry of the Mesosphere
10:30-11:00 Break
11:30-12:30 D. Janches (CoRA) Astronomical properties of meteoroids and their impact on MLT aeronomy
12:30-14:30 Lunch and informal discussions
14:30-16:00 J. Plane (U. of Leeds) MLT Metal Chemistry
16:00-16:30 Break
16:30-18:00 D. Marsh (NCAR) Mesospheric Ice Clouds: Observations and Theory
18:00-19:00 Student presentations

WEDNESDAY, 6 October: Long-term trends; Ionosphere, Part I

09:00-10:30	G. Brasseur (NCAR)	Long-term trends in the MLT
10:30-11:00		Break
11:00-12:30	L. Dyrud (APL/JHU)	Meteor and Ionospheric Plasma Physics
12:30-14:30		Lunch and informal discussions
17:00-		Social program and School banquet

THURSDAY, 7 October: Ionosphere, Part II

09:00-10:30	M. Abdu (INPE)	Equatorial Spread F/Plasma Bubble Irregularities
10:30-11:00		Break
11:00-12:30	F. Azpilicueta (UNLP)	Ionospheric Anomalies
12:30-14:30		Lunch and informal discussions
14:30-16:00	C. Brunini (UNLP)	Global Ionospheric Model based on GNSS Data
16:00-16:30		Break
16:30-18:30		Student presentations

FRIDAY, 8 October: Observational techniques, Part I

09:00-10:30	M. Taylor (USU)	Investigating mesospheric phenomena and dynamics using imaging techniques
10:30-11:00		Break
11:00-12:30	C. Martinis (BU)	Optical diagnostics of ionospheric processes at low and mid latitudes
12:30-14:30		Lunch and informal discussions
14:30-16:00	B. Clemesha (INPE)	Lidar for atmospheric studies: Past developments and present capabilities
16:00-16:30		Break
16:30-18:30		Student presentations

SATURDAY, 9 October: Observational techniques, Part II

09:00-10:30	W. Hocking (UWO)	MST Radar Observations of Turbulence and Gravity Wave Breaking
10:30-11:00		Break
11:00-12:30	R. Woodman (Jicamarca)	Incoherent Scatter Radar
12:30-14:30		Lunch and informal discussions
14:30-16:00	C. Valladares (BC)	LISN: A network of GPS receivers, ionosondes and magnetometers
16:00-16:30		Break
16:30-18:30		Roundtable discussion, closing remarks