

# PASI SCHOOL/WORKSHOP

## Student Presentations

### MONDAY, 4 October:

- 18:00 – 18:15** J.V. Bageston (INPE): New Observations of Gravity Waves in South America Using Optical Techniques from the Ground
- 18:15 – 18:30** B. Laughman (CoRA/NWA): Mesospheric bore evolutions predicted by the BDO and Navier-Stokes equations
- 18:30 – 18:45** T. Martin (USU): Investigating short-period gravity wave characteristics over Rothera, Antarctica (68°S)
- 18:45 – 19:00** J. Pugmire (USU): The First 10 Months of Investigation of Gravity Waves and Temperature Variability Over the Andes

### TUESDAY, 5 October:

- 18:00 – 18:15** T. Scott (Clemson Univ.): Comparison of quiet and disturbed winds and turbulent structures in sounding rocket chemical releases from Poker Flat, Alaska
- 18:15 – 18:30** N. Criddle (USU): The First 10 Months of Investigation of Gravity Waves and Temperature Variability Over the Andes–Part II
- 18:30 – 18:45** V. Andrioli (INPE) Seasonal variation of zonal and meridional wind variances due to gravity wave activity from 80 to 100 km altitude over Cachoeira Paulista (22.7°S, 45.0°W)
- 18:45 – 19:00** K. Greer (CU): Observations and dynamics of disturbances in the polar winter middle atmosphere

### THURSDAY, 7 October:

- 16:30 – 16:45** A. McLennan (Clemson Univ.): Analysis of Fabry-Perot measurements for Solar Cycle #22
- 16:45 - 17:00** E. Bass (BU): Properties of Non-specular Meteor Trail Echoes and their Connection to the Atmosphere
- 17:00 – 17:15** S. Pifko (Stanford Univ.): Estimation of the Orbital Parameters and Properties of Meteoroids Detected by the ALTAIR and SAAMER Radar Systems
- 17:15 – 17:30** C. Vaudrin (CU): Hardware Architecture and Initial Results From an FPGA Based Digital Receiver for Multistatic Meteor Measurements

- 17:30 – 17:45** J. Fentzke (CoRA/NWRA): The South American Sector: Filling the Gaps in the Global Picture of Meteor Smoke Determined from HPLA Radar
- 17:45 – 18:00** A. Burrell (UT): Equatorial Topside Magnetic Field Aligned Ion Flows at Solar Minimum
- 18:00 – 18:15** E. Zotto (U. Catamarca): Effects of energetic solar particles in the middle atmosphere during disturbed periods of solar cycle 23

**FRIDAY, 8 October:**

- 16:30 – 16:45** L. Scidá (U. Tucumán): Ionospheric research in Tucumán: advances and progress
- 16:45 – 17:00** D. I. Alves (INPE): Study of the ionospheric plasma in the South Atlantic magnetic anomaly –SAMA– region with riometers and VLF receiver at the Brazilian Southern Space Observatory
- 17:00 – 17:15** D.C. de Moraes Amorim (INPE): Relevant aspects of Perkins plasma instability in the ionospheric F-region in the low latitude Brazilian sector generated by gravity waves in the lower and middle atmosphere
- 17:15 – 17:30** E. Ovalle (U. Concepción): Search for evidence of ionospheric precursors to the 27 February earthquake in ionosonde records.
- 17:30 – 17:45** C. Machado (INPE): Analysis of ionospheric irregularities measurements using GPS receivers for the South Atlantic magnetic anomaly region
- 17:45 – 18:00** J.F. Conte (UNLP): Accuracy assessment of the GPS-TEC calibration errors
- 18:00 – 18:15** E. Camilion (UNLP): Arecibo-La Plata geomagnetically conjugate ionospheric model