

Student, Recent Graduate, and Post-Doc Biographies: CEDAR-GEM 2005

Abdo, Kevin - ksa137@psu.edu, 610 285-5000

Institution/Degree: BS in Mechanical Engineering, Pennsylvania State University, 2007
Institution/Advisor: Pennsylvania State University with CEDAR advisor Tai-Yin Hua (tuh4@psu.edu)
Research Interests: MLT studies, MLT gravity waves, sprites.
Instruments, Models, or Data Used: MLT radars, airglow models
Other Interests: Numerical simulations

Acott, Phillip Edward - acott@lamar.colostate.edu, 970-491-5424

Institution/Degree: PhD in Physics at Colorado State University, 2000
Institution/Advisor: Colorado State University with CEDAR advisor Chia She (joeshe@lamar.colostate.edu)
Research Interests: MLT instruments or techniques, MLT gravity waves, lidar studies
Instruments Used: Active optics like lidar
Other Interests: Non-linear optics

Adamson, Eric - eric_adamson@hotmail.com, 907-474-5747

Institution/Degree: PdD in Space Geophysics or Physics or Sciences at University of Alaska, 2008
Institution/Advisor: University of Alaska, Fairbanks with GEM advisor Antonius Otto (ao@how.gi.alaska.edu)
Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms

An, David - david72131@yahoo.com, (310) 825 - 6663

Institution/Degree: PhD at University of California, Los Angeles, 2009
Institution/Advisor: UCLA with GEM advisor Vahe Perroomian (vahe@igpp.ucla.edu)
Instruments Used: Magnetometers,
Models Used: Magnetosphere models, plasmasphere models, M-I coupling models, ionosphere models,

Bekerat, Hamed - hamed@gaim.cass.usu.edu, 435-797-2939

Institution/Degree: PhD in Physics at Utah State University, 2005
Institution/Advisor: Utah State University with CEDAR advisor Robert Schunk (schunk@cc.usu.edu)
Research Interests: Polar aeronomy
Instruments Used: Satellite data
Models Used: Ionosphere models
Other Interests: Weimer Model, AMIE, DMSP Data, The ionosphere forecast model (IFM)

Beldon, Charlotte - clb24@bath.ac.uk, 01225 386062

Institution/Degree: PhD in Physics at University of Bath, 2007
Institution/Advisor: University of Bath with CEDAR advisor Mitchell (eesnm@bath.ac.uk)
Other Interests: Radar

Bell, Jared Michael - jmbell@umich.edu, 734-936-0482

Institution/Degree: PhD in Space & Planetary Physics (Joint with Physics) at University of Michigan 2007
Institution/Advisor: UCLA with GEM sor Mark Moldwin (mmoldwin@igpp.ucla.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, mid latitude thermosphere or ionosphere, data management and visualization
Instruments Used: Imagers, magnetometers, satellite data, geophysical indices
Models Used: Magnetosphere models, plasmasphere models, M-I coupling models

Berube, David - dberube@igpp.ucla.edu, 310-825-2441

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of California Los Angeles in 2006
Institution/Advisor: UCLA with GEM advisor Mark Moldwin (mmoldwin@igpp.ucla.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, mid latitude thermosphere or ionosphere, data management and visualization
Instruments Used: Imagers, magnetometers, satellite data, geophysical indices
Models Used: Magnetosphere models, plasmasphere models, M-I coupling models

Bhaneja, Preeti - pbhaneja@utdallas.edu, 972 883-2867

Institution/Degree: PhD in Physics or Sciences at University of Texas at Dallas, 2009
Institution/Advisor: University of Texas at Dallas w/ CEDAR advisor Gregory Earle (earle@utdallas.edu)
Research Interests: Mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere
Instruments Used: Incoherent scatter radars, coherent HF radars
Other Interests: Using satellite measurements of density, temperature and velocity combined with Arecibo radar data to see if vertical drifts are consistent with observations from DMSP and ROSCAT satellites Study of Mid Latitude Spread F

Bhatt, Asti - anb22@cornell.edu, asti.bhatt@gmail.com, 607-255-8298

Institution/Degree: PhD in Electrical Engineering at Cornell University, 2007

Institution/Advisor: Cornell University/ SRI International with CEDAR advisor Michael C. Kelley (mikek@ece.cornell.edu)

Research Interests: Ionosphere or thermosphere observations or instruments, long term variations, polar aeronomy, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, coupling between the lower and upper atmospheres

Instruments Used: Incoherent scatter radars, coherent HF radars, MLT radars, ionosondes including ion drifts, other cameras, magnetometers, riometers, satellite data, geophysical indice

Models Used: Assimilation models, magnetosphere models, plasmasphere models, M-I coupling models, ionosphere models, tidal models
Other Interests: Ionospheric Modification

Bhattacharya, Yajnavalkya - yajnaval@yorku.ca, yajnaval@yahoo.com, +1 416 736 2100

Institution/Degree: PhD in Physics at York University, Canada, 2005

Institution/Advisor: York University with CEDAR advisor Gordon Shepherd (gordon@yorku.ca)

Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, long term variations, polar aeronomy, coupling between the lower and upper atmospheres, MLT studies, MLT gravity waves, MLT other waves

Instruments Used: Passive optics, Fabry Perot interferometers, Michelson interferometers, spectrometers, photometers, satellite data

Models Used: Thermosphere models, airglow models, tidal models, MLT models

Other Interests: Dynamics of Arctic/Polar mesosphere and lower thermosphere, airglow observations, Michelson Interferometry
atmospheric tides, wave-wave interactions, spectral analysis, especially of unevenly spaced data

Bishop Rebecca - rebecca.l.bishop@aero.org, Rebecca.L.Bishop@aero.org, 310- 336-1750

Institution/Degree: Post Doc in Physics at University of Texas at Dallas, 2005

Institution/Advisor: The Aerospace Corporation with CEDAR advisor Rebecca L Bishop (as above)

Research Interests: Ionosphere or thermosphere observations or instruments, mid latitude thermosphere or ionosphere, irregularities, coupling between the lower and upper atmospheres, MLT gravity waves

Instruments Used: Incoherent scatter radars, ionosondes including ion drifts, GPS, magnetometers, satellite data, geophysical indices

Models Used: Ionosphere models, thermosphere models

Briczinski, Stanley J - sjb144@psu.edu, 814-865-0188

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2006

Institution/Advisor: Pennsylvania State University with CEDAR advisor John Mathews (jdmathews@psu.edu)

Research Interests: Non-wind meteor science

Instruments Used: Incoherent scatter radars

Other Interests: Arecibo, Helena Christiansen, Resident Evil 4

Brown, Lamar Bailes - bailesb@yahoo.com, (864) 350-8375

Institution/Degree: BA in Physics at Harvard University, 2007

Institution/Advisor: Clemson University with CEDAR advisor John Meriwether (john.meriwether@ces.clemson.edu)

Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, MLT studies, data management and visualization

Instruments Used: Fabry Perot interferometers, imagers

Other Interests: I have an interest in astrophysics as well as atmospheric physics, and I am interested in developing algorithm and models in a more general context

Burrows, Susannah - susannah.burrows@oberlin.edu, 440-775-5209

Institution/Degree: BA in Physics at Oberlin College, 2005

Institution/Advisor: Oberlin College with CEDAR advisor Christopher Martin (cmartin@oberlin.edu)

Research Interests: MLT instruments or techniques, polar aeronomy, MLT studies

Instruments Used: Passive optics

Other Interests: Radio Telescopes

Butala, Mark - butala@uiuc.edu, 217-621-3144

Institution/Degree: PhD in Electrical Engineering at University of Illinois, 2007

Institution/Advisor: University of Illinois with CEDAR advisor Kamalabadi (farzadk@uiuc.edu)

Instruments Used: Imagers

Models Used: Tomography

Other Interests: Signal processing, image formation

Byrnes, John - byrnes@bu.edu, (617) 378-8625

Institution/Degree: PhD in Electrical Engineering at Boston University, 2008

Institution/Advisor: Boston University with CEDAR advisor Joshua Semeter (jls@bu.edu)

Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments
data management and visualization

Instruments Used: Incoherent scatter radars

Models Used: Magnetosphere models, ionosphere models

Other Interests: Instrument Combination, optical flow

Cai, Xia - xcai@umich.edu, (734)764-4582

Institution/Degree: PhD in Space Geophysics, Physics or Sciences at University of Michigan, 2007

Institution/Advisor: University of Michigan with GEM advisor Calvin Clauer (rclauer@umich.edu)

Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, solar terrestrial interactions, mid latitude thermosphere or ionosphere

Instruments Used: Incoherent scatter radars, magnetometers, satellite data, geophysical indice

Models Used: Assimilation models, M-I coupling models

Carlson, Chad Gerald - ccarlso2@uiuc.edu, 217-265-0993

Institution/Degree: PhD in Electrical Engineering at University of Illinois, 2007

Institution/Advisor: University of Illinois at Urbana-Champaign with CEDAR advisor Gary Swenson (swenson1@uiuc.edu)

Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, coupling between the lower and upper atmospheres, MLT studies, MLT gravity waves, lidar studies

Instruments Used: Active optics like lidar, passive optics, Fabry Perot interferometers, Michelson interferometers, spectrometers, photometers, imagers, balloon, plane or rocket data

Models Used: Airglow models

Other Interests: Plasma diagnostics, laser technology development

Cartwright, Megan Lee - mcartwri@ucla.edu, 310-825-2441

Institution/Degree: PhD in Physics or Sciences at University of California Los Angeles, 2008

Institution/Advisor: UCLA with GEM advisor Mark Moldwin (mmoldwin@igpp.ucla.edu)

Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms

Instruments Used: Magnetometers, satellite data, geophysical indices

Models Used: Magnetosphere models

Cerruti, Alessandro - apc20@cornell.edu, 607-255-9040

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Cornell University, 2007

Institution/Advisor: Cornell University with CEDAR advisor Paul Kintner (paul@ece.cornell.edu)

Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere

Instruments Used: Incoherent scatter radars, ionosondes including ion drifts, GPS, satellite data, geophysical indices

Models Used: Ionosphere models

Other Interests: I use GPS Scintillation receivers on both GPS and geostationary WAAS satellites to measure zonal ionospheric drifts

Cersosimo, Dario Omar - (cersobed@erau.edu, space_dario@yahoo.ca, 386-226-7603

Institution/Degree: MS in Space Geophysics or Physics or Sciences at Embry Riddle Aeronautical University, 2005

Institution/Advisor: Embry-Riddle Aeronautical University with GEM advisor James Wanliss (wanlib01@erau.edu)

Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling

Instruments Used: Fabry Perot interferometers, magnetometers, geophysical indices

Models Used: Magnetosphere models, M-I coupling models

Chang, Loren - changlc@colorado.edu, (720)771-7962

Institution/Degree: MS in Aerospace Engineering at University of Colorado, 2006

Institution/Advisor: University of Colorado, Boulder with CEDAR advisor Scott Palo (scott.palo@colorado.edu)

Research Interests: MLT studies, MLT gravity waves, MLT other waves

Instruments Used: Satellite data

Models Used: Planetary models

Other Interests: Space and atmospheric physics, astrodynamics, remote sensing

Chen, Meng-Yuan - s1643009@cc.ncu.edu.tw, 886-3-4227151#65774

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at National Central University Taiwan, 2007

Institution/Advisor: Institute of Space Science, National Central University, Taiwan with CEDAR advisor Chu (yhchu@jupiter.ss.ncu.edu.tw)

Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, irregularities, coupling between the lower and upper atmospheres, stratosphere and below

Instruments Used: Coherent HF radars, MLT radars

Other Interests: Atmospheric Radar Imaging

Chen, Wei-Shen - wschen@jupiter.ss.ncu.edu.tw, 886-03-4227151

Institution/Degree: BS at National Central University.

Institution/Advisor: National Central University with CEDAR advisor Chien-Chih Lee (cclee@jupiter.ss.ncu.edu.tw)

Research Interests: Equatorial ionosphere

Instruments Used: GPS, digisondes

Other Interests: F region irregularities, spread F

Cheng, Zhenggang - zc@ee.duke.edu, 919-660-5232

Institution/Degree: PhD in Electrical Engineering at Duke University, 2006
Institution/Advisor: Duke University with CEDAR advisor Steven Cummer (cummer@ee.duke.edu)
Research Interests: Ionosphere or thermosphere observations or instruments
Models Used: Ionosphere models
Other Interests: Ionospheric remote sensing by lightning; sferic-based detection of ionospheric disturbance; LWPC model; ELF-VLF lightning data

Claudepierre, Seth - seth.claudepierre@colorado.edu, 303-735-3610

Institution/Degree: PhD in Applied Mathematics at University of Colorado, 2007
Institution/Advisor: University of Colorado, Boulder/LASP with GEM advisor Scot Elkington (scot.elkington@lasp.colorado.edu)
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, solar terrestrial interactions, data management and visualization
Instruments Used: Magnetometers, satellite data
Models Used: Magnetosphere models, M-1 coupling models

Coats, Selena Beth - selena.coats@colorado.edu, 303-525-9748

Institution/Degree: PhD in Aerospace Engineering at University of Colorado, 2009
Institution/Advisor: University of Colorado with CEDAR advisor Jeffery Forbes (forbes@colorado.edu)
Research Interests: stratosphere and below, data management and visualization
Instruments Used: GPS, spectrometers, magnetometers, satellite data
Models Used: Planetary models, magnetosphere models
Other Interests: solar flares

Cohen, Morris - mcohen@stanford.edu, 650-725-8446

Institution/Degree: PhD in Electrical Engineering at Stanford University, 2008
Institution/Advisor: Stanford University with CEDAR advisor Umran Inan (inan@stanford.edu)
Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, long term variations
Instruments Used: GPS, magnetometers
Models Used: Ionosphere models
Other Interests: TGF, VLF Receivers, Seismic coupling

Comberiate, Joseph - (comberia@uiuc.edu, 217-333-4152)

Institution/Degree: PhD in Electrical Engineering at University of Illinois, 2006
Institution/Advisor: University of Illinois at Urbana-Champaign with CEDAR advisor Farzad Kamalabadi (farzadk@uiuc.edu)
Research Interests: Equatorial thermosphere or ionosphere, irregularities
Instruments Used: Incoherent scatter radars, spectrometers, satellite data
Models Used: Tomography, ionosphere models
Other Interests: Equatorial Spread F

Criss, Adrienne Elizabeth - aec7g@virginia.edu, adrienne.criss@jhuapl.edu, (443)778-8401

Institution/Degree: BS in Physics at University of Virginia, 2006
Institution/Advisor: Johns Hopkins University Applied Physics Laboratory with CEDAR advisor Elsayed Talaat (elsayed.talaat@jhuapl.edu)
Research Interests: MLT studies
Other Interests: Atmospheric Dynamics, TIMED/SABER, TIMED/TIDI, NCEP Reanalysis Data

Cuevas, Rodolfo A - rac32@cornell.edu, rcuevas@sri.com, 607-255-8298

Institution/Degree: PhD in Electrical Engineering at Cornell University, 2007
Institution/Advisor: Cornell University with CEDAR advisor Michael Kelley (mikek@ece.cornell.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere, irregularities
Instruments Used: Coherent HF radars, magnetometers

Cully, Chris - cully@colorado.edu, 303-492-2905

Institution/Degree: PhD in Astrophysics at University of Colorado, 2007
Institution/Advisor: LASP with GEM advisor Bob Ergun (ree@lasp.colorado.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Incoherent scatter radars, coherent HF radars, magnetometers, riometers, satellite data, geophysical indices
Models Used: Magnetosphere models, M-I coupling models, ionosphere models

DeJong, Anna - dejonga@umich.edu, 734-994-0968

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Michigan, 2007
Institution/Advisor: U of Michigan with GEM advisor Calvin Clauer (rclauer@umich.edu)
Research Interests: GEM Global Interactions, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Imagers, other cameras, magnetometers, satellite data, geophysical indices

De la Pena, Santiago - delapena@ucsu.colorado.edu, (303) 735 6621

Institution/Degree: PhD in Electrical Engineering at University of Colorado, 2007
Institution/Advisor: University of Colorado with CEDAR advisor Susan Avery (susan.avery@colorado.edu)
Research Interests: Long term variations, MLT studies, MLT gravity waves, MLT other waves, non-wind meteor science
Instruments Used: Incoherent scatter radars, meteor radars
Other Interests: Remote Sensing

Delgado, Ruben - rdelgado@naic.edu, 301-512-6637

Institution/Degree: PhD in Chemistry at University of Puerto Rico, 2006
Institution/Advisor: University of Puerto Rico with CEDAR advisor Jonathan Friedman (jonathan@naic.edu)
Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, long term variations, mid latitude thermosphere or ionosphere, MLT studies, lidar studies
Instruments Used: Incoherent scatter radars, active optics like lidar
Other Interests: Remote sensing and modeling of mesosphere

Deng, Yue - ydeng@umich.edu, 734-647-3370

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Michigan, 2006
Institution/Advisor: University of Michigan with CEDAR advisor ridley (ridley@umich.edu)
Research Interests: Solar terrestrial interactions, polar aeronomy, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, MLT studies
Models Used: Assimilation models, magnetosphere models, M-I coupling models, ionosphere models, thermosphere models
Other Interests: Joule heating

Diaz, Ismael - idiaz@fit.edu, (915) 497-5840

Institution: Florida Institute of Technology

Diaz, Marcos - mardiaz@bu.edu, 617-353-7843

Institution/Degree: PhD in Engineering Physics at Boston University, 2009
Institution/Advisor: Boston University with CEDAR advisor Semeter (jls@bu.edu)
Instruments Used: Incoherent scatter radars
Other Interests: Photometers

Drake, Kelly Ann - dr.kelly@physics.org, 214-223-6011

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Texas at Dallas, 2007
Institution/Advisor: University of Texas at Dallas with CEDAR advisor Rod Heelis (heelis@utdallas.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, irregularities
Instruments Used: Satellite data
Models Used: Ionosphere models
Other Interests: Solar wind influences on the high latitude ionospheric electric field

Drexler, Josef - josef@geology.cornell.edu, 607-254-6707

Institution/Degree: Post Doc in is Physics at University of Western Ontario Canada, 2005
Institution/Advisor: Cornell University with CEDAR advisor Dave Hysell (daveh@geology.geo.cornell.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, polar aeronomy, equatorial thermosphere or ionosphere, irregularities
Instruments Used: Incoherent scatter radars, coherent HF radars, satellite data, geophysical indices
Models Used: Ionosphere models
Other Interests: Radar imaging

Dyrud, Lars - ldyrud@bu.edu, 857 919 4808

Institution/Degree: Post Doc in Astronomy at Boston University, 2005
Institution/Advisor: Center for Remote Sensing with CEDAR advisor Meers Oppenheim (meerso@bu.edu)
Research Interests: GEM Magnetosphere-Ionosphere Coupling, non-wind meteor science
Instruments Used: Incoherent scatter radars, coherent HF radars, meteor radars, satellite data
Models Used: Tomography
Other Interests: Rocket data

Ejiri, Mitsumu K - ejiri.mitsumu@nies.go.jp, 08-29-850-2924

Institution/Degree: Post Doc in Atmospheric Chemistry or Physics or Sciences at Nagoya University, 2005
Institution/Advisor: National Institute for Environmental Studies with CEDAR advisor Taylor, Shiokawa, Nakamura (mtaylor@cc.usu.edu, shiokawa@stelab.nagoya-u.ac.jp)
Research Interests: MLT studies, MLT gravity waves
Instruments Used: Imagers
Models Used: Tomography
Other Interests: Mesospheric temperature

Erdogan, Can - ce33@cornell.edu, 607-255-4183

Institution/Degree: BS in Electrical Engineering at Cornell University, 2006
Institution/Advisor: Cornell University with CEDAR advisor Michael Kelley (mikek@ece.cornell.edu)
Research Interests: Data management and visualization
Instruments Used: Imagers, satellite data
Models Used: Airglow models
Other Interests: SAR arcs

Fang, Tzu-We - 93623004@cc.ncu.edu.tw, 886-3-4227151

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at National Central University Taiwan, 2009
Institution/Advisor: Institute of Space Science with CEDAR advisor Jann-Yenq Liu (jyliu@jupiter.ss.ncu.edu.tw)
Research Interests: Comparative planets, ionosphere or thermosphere observations or instruments, solar terrestrial interactions, equatorial thermosphere or ionosphere
Instruments Used: GPS, satellite data
Models Used: Ionosphere models
Other Interests: NCAR TIEGCM Sheffield University Plasmasphere Ionosphere Model, ROCSAT

Fang, Xiaohua - xhfang@umich.edu, 734-647-3370

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Michigan, 2005
Institution/Advisor: University of Michigan with CEDAR advisor Michael Liemohn (liemohn@umich.edu)
Research Interests: Solar terrestrial interactions, polar aeronomy
Instruments Used: Satellite data
Models Used: Ionosphere models, thermosphere models
Other Interests: Monte Carlo model, Two-Stream model

Farr, Nathan - farr@colorado.edu, 303-735-6221

Institution/Degree: PhD in Physics at University of Colorado, 2008
Institution/Advisor: University of Colorado with GEM advisor Daniel Baker (Daniel.Baker@lasp.colorado.edu)
Research Interests: GEM Inner Magnetosphere Storms
Instruments Used: Satellite data
Models Used: Magnetosphere models

Fechine, Joaquim - joaquim@laser.inpe.br, joaquim_fechine@ig.com.br, (12) 3945-7167

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Instituto Nacional de Pesquisas Espaciais, 2008
Institution/Advisor: INPE with CEDAR advisor Hisao Takahashi (hisaotak@laser.inpe.br)
Research Interests: MLT gravity waves
Instruments Used: Photometers, imagers
Models Used: Airglow models
Other Interests: GPS radio occultation

Fedrizzi, Mariangel - mariangel.fedrissi@noaa.gov, (303) 497-3833

Institution/Degree: Post Doc in Space Geophysics or Physics or Sciences, 2005
Institution/Advisor: NOAA-SEC with CEDAR advisor Fuller-Rowell (Tim.Fuller-Rowell@noaa.gov)
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, solar terrestrial interactions, polar aeronomy, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, coupling between the lower and upper atmospheres
Instruments Used: Incoherent scatter radars, ionosondes including ion drifts, GPS, magnetometers, balloon, plane or rocket data, satellite data, geophysical indices
Models Used: Assimilation models, magnetosphere modes, plasmasphere models, M-I coupling models, ionosphere models, thermosphere models, tidal MLT models

Fritz, Jason S - sf186@psu.edu, 610-285-5000

Institution/Degree: BS in Mechanical Engineering at Pennsylvania State University, 2007
Institution/Advisor: Penn State Lehigh Valley with CEDAR advisor Tia-Yin Huang (tuh4@psu.edu)
Research Interests: MLT studies, MLT gravity waves, sprites
Models Used: Airglow models, MLT models
Other Interests: Numerical simulations

Galvan, David - dgalvan@ucla.edu, 619-249-0667

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of California Los Angeles, 2008
Institution/Advisor: UCLA with GEM advisor Mark Molkwin (mmoldwin@igpp.ucla.edu)
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: GPS, photometers, imagers, magnetometers, satellite data
Models Used: Tomography, plasmasphere models, M-I coupling models, Ionosphere models

Garcia, Katherine S. - ksgarcia@bu.edu, 617-353-5611

Institution/Degree: PhD in Astronomy at Boston University, 2009
Institution/Advisor: Boston University with GEM advisor Jeffrey Hughes (hughes@bu.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions
Instruments Used: Satellite data
Models Used: Magnetosphere models

Ge, Yasong - ysge@ucla.edu, yasang@igpp.ucla.edu, 310-825-1995

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of California Los Angeles, 2008
Institution/Advisor: IGPP, UCLA with GEM advisor Christopher Russell (ctrussel@igpp.ucla.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Spectrometers, imagers, magnetometers, satellite data, geophysical indices
Models Used: Magnetosphere models, plasmasphere models, M-I coupling models, ionosphere models

George, Rhea - rgeorge@berkeley.edu, 831-359-9770

Institution/Degree: BA in Atmospheric Science and Computer Science at University of California Berkeley, 2006
Institution/Advisor: UC Berkeley with CEDAR advisor Mike Sulzer (msulzer@naic.edu)
Research Interests: Ionosphere or thermosphere observations or instruments
Instruments Used: Incoherent scatter radars
Models Used: Ionosphere models
Other Interests: Incoherent scatter from the ionosphere, radar

Gertzen, Tanya Rae - tgertzen@gmail.com, 214-212-5808

Institution/Degree: BS in Physics at University of Texas at Dallas, 2006
Institution/Advisor: MIT with CEDAR advisor John Holt (jmh@haystack.mit.edu)
Research Interests: Long term variations
Instruments Used: Incoherent scatter radars
Models Used: Ionosphere models
Other Interests: Climate Change

Gibby, Andrew - argibby@stanford.edu, 650-723-3789

Institution/Degree: PhD in Electrical Engineering at Stanford University, 2009
Institution/Advisor: Stanford University with GEM advisor Umran Inan (inan@nova.stanford.edu)
Research Interests: GEM Inner Magnetosphere Storms
Other Interests: VLF Transmitters

Glocer, Alex - aglocer@umich.edu, (734) 647-3370

Institution/Degree: PhD in Space Geophysics or Physics, 2008
Institution/Advisor: University of Michigan with GEM advisor Alex Glocer
Research Interests: GEM Magnetosphere-Ionosphere Coupling

Golkowski, Mark - mag41@stanford.edu, 650-723-3789

Institution/Degree: PhD in Electrical Engineering at Stanford University, 2007
Institution/Advisor: Stanford University with GEM advisor Umran Inan (inan@stanford.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Magnetometers, satellite data
Models Used: Magnetosphere models, plasmasphere models, ionosphere models
Other Interests: VLF remote sensing of Ionosphere

Gonzalez, Israel - israelgwiz@yahoo.com, (787)823-5273

Institution/Degree: BS in Computer Sciences and Electrical Engineering at University of Puerto Rico at Mayaguez, 2006
Institution/Advisor: University of Puerto Rico with CEDAR advisor Jonathan Friedman (jonathan@naic.edu).
Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, lidar studies,
Instruments Used: Active optics like lidar, Fabry Perot interferometers,
Other Interests: Digital oscilloscope

Guild, Timothy Bryan - tguild@bu.edu, 617-353-7406

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Boston University, 2006
Institution/Advisor: Boston University with GEM advisor Harlan Spence (spence@bu.edu)
Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, data management and visualization,
Instruments Used: Imagers, magnetometers, satellite data, geophysical indices
Models Used: Magnetosphere models, M-I coupling models, ionosphere models

Guo, Liyu - lguo@clemson.edu, 864-656-0487

Institution/Degree: MS in Astronomy and Physics at Clemson University, 2005
Institution/Advisor: Clemson University with CEDAR advisor Gerald Lehmac (glehmac@CLEMSON.EDU)
Research Interests: MLT instruments or techniques, MLT studies, MLT gravity waves, data management and visualization
Instruments Used: Incoherent scatter radars
Models Used: MLT models
Other Interests: Turbulence in tropical mesosphere

Halford, Alexa J - halford@lasp.colorado.edu, 303-735-6221

Institution/Degree: PhD in Astronomy and Physics at University of Colorado, 2010
Institution/Advisor: LASP/CU Boulder/CISM with GEM advisor Dan Baker (Daniel.Baker@lasp.colorado.edu)
Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Magnetometers, satellite data, geophysical indices
Models Used: Magnetosphere models, M-I coupling models

Hanner, Bonnie Lee - blh209@psu.edu, 610-285-5000

Institution/Degree: BS in Mechanical Engineering at Pennsylvania State University, 2007
Institution/Advisor: Penn State Lehigh Valley with CEDAR advisor, Tai-Yin Huang (tuh4@psu.edu)
Research Interests: MLT studies, MLT gravity waves, sprites,
Models Used: Airglow models MLT models
Other Interests: Numerical simulations

Harrell, Sean - sharrell@lamar.colostate.edu, 970-218-2748

Institution/Degree: PhD in Physics at Colorado State University, 2009
Institution/Advisor: Colorado State University with CEDAR advisor Joe She (joeshe@lamar.colostate.edu)
Research Interests: Lidar studies
Instruments Used: Active optics like lidar
Other Interests: Lidar

Hartman, William Andrew - dhartman@hotmail.com, 972-883-2111

Institution/Degree: PhD in Physics at University of Texas, 2006 at Dallas, 2006 and works at
Institution/Advisor: University of Texas Dallas with CEDAR advisor Rod Heelis heelis@utdallas.edu
Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere
Other Interests: RPA, IDM

Hassiotis, Alexander - adh180@psu.edu, (801) 863-1470

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2007
Institution/Advisor: Pennsylvania State University with CEDAR advisor Tim Kane (tjk7@psu.edu)
Research Interests: MLT instruments or techniques, equatorial thermosphere or ionosphere, coupling between the lower and upper atmospheres MLT studies, MLT gravity waves, lidar studies, stratosphere and below, data management and visualization
Instruments Used: Active optics like lidar, Fabry Perot interferometers, balloon, plane or rocket data, satellite data
Other Interests: Gravity wave ray tracing and source parameterization

Hermanson, Charly - cspanit@clemson.edu, 864-656-5309

Institution/Degree: MS in Computer Engineering or Sciences at Clemson University, 2005
Institution/Advisor: Clemson University with CEDAR advisor Miguel Larsen (mlarsen@clemson.edu)
Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments
Instruments Used: GPS, imagers, other cameras
Other Interests: Star-Tracker Attitude Sensor System

Hernandez, Salvador - hernands@fit.edu, 321-674-8795

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Florida Institute of Technology , 2007
Institution/Advisor: Florida Institute of Technology with GEM advisor Ramon Lopez (relopez@fit.edu)
Research Interests: GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Satellite data, geophysical indices
Models Used: Assimilation models, magnetosphere models, M-I coupling models, ionosphere models

Hicks, Brian - bahicks@bu.edu, 617-353-6656

Institution/Degree: PhD in Astronomy at Boston University, 2010

Institution/Advisor: Boston University with GEM advisor W. Hughes (hughes@bu.edu)

Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, data management and visualization

Instruments Used: GPS, magnetometers, satellite data

Models Used: M-I coupling models

Hoang, Thien D - tdh155@psu.edu, 610-285-5000

Institution/Degree: BS in Electrical Engineering at Pennsylvania State University, 2007

Institution/Advisor: Penn State Lehigh Valley with CEDAR advisor Tai-Yin Huang (tuh4@psu.edu)

Research Interests: MLT studies, MLT gravity waves, sprites

Models Used: Airglow models, MLT models

Other Interests: Numerical simulations

Hu, Wenyi - wyhu@ee.duke.edu, (919)660-5232

Institution/Degree: PhD in Electrical Engineering at Duke University, 2005.

Institution/Advisor: Duke University with CEDAR advisor Steven Cummer (cummer@ee.duke.edu)

Research Interests: Ionosphere or thermosphere observations or instruments, coupling between the lower and upper atmospheres, sprites

Models Used: Ionosphere models

Other Interests: Numerical method

Hu, Yonggang - yonggang.hu@dartmouth.edu, 603-646-3969

Institution/Degree: PhD in Physics at Dartmouth College, 2008

Institution/Advisor: Dartmouth College with GEM advisor Richard Denton (Richard.e.denton@dartmouth.edu)

Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storm

Instrument Used: Balloon, plane or rocket data, satellite data

Models Used: Assimilation models, magnetosphere models, plasmasphere models, M-I coupling models, ionosphere models,

Huang, Chia-Lin - hcl@bu.edu, 617-353-7406

Institution/Degree: PhD in Astronomy at Boston University, 2006

Institution/Advisor: Boston University with GEM advisor Harlan Spence (spence@bu.edu)

Research Interests: GEM Inner Magnetosphere Storms

Instruments Used: Magnetometers, satellite data

Models Used: Magnetosphere models

Hwang, Kyoung-Joo - kyoung-joo.hwang@dartmouth.edu, 603-646-1394

Institution: Dartmouth College

Iimura, Hiroyuki - iimurah@colorado.edu, (303) 735-4238

Institution/Degree: PhD in Aerospace Engineering at University of Colorado, 2008

Institution/Advisor: University of Colorado at Boulder with CEDAR advisor Palo (palo@colorado.edu)

Research Interests: Long term variations, solar terrestrial interactions, MLT studies, MLT other waves, non-wind meteor science

Instruments Used: MLT radars, meteor radars, Fabry Perot interferometers, satellite data

Other Interests: GSWM

Ilma, Ronald R. - rilma@jro.igp.gob.pe, 51-1-3172313

Institution/Degree: BA in Physics at Universidad Nacional Federico Villarreal, 2005

Institution/Advisor: Radio Observatorio de Jicamarca with CEDAR advisor Jorge Chau (jchau@jro.igp.gob.pe)

Research Interests: Ionosphere or thermosphere observations or instruments, long term variations, solar terrestrial interactions, equatorial thermosphere or ionosphere, data management and visualization

Instruments Used: cIncoherent scatter radars, coherent HF radars, ionosondes including ion drifts, magnetometers, geophysical indices

Models Used: Ionosphere models, thermosphere models

Other Interests: Ionosonde, incoherent, and coherent radar data analysis, Nowcasting ionospheric communications, Global, regional, and local empirical ionospheric models (IRI, HWM, IGRF, MSIS), Low Latitude Ionosphere

Jee, Geonhwa - geonhwa@gaim.cass.usu.edu, 435-797-2939

Institution/Degree: PhD in Physics at Utah State University, 2005

Institution/Advisor: Utah State University with CEDAR advisor Robert Schunk (schunk@cc.usu.edu)

Research Interests: Long term variations, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, data management and visualization

Instruments Used: Satellite data

Models Used: Ionosphere models, thermosphere models

Other Interests: TOPEX TEC Data, IRI

Jensen, John William - johnwjensen33@yahoo.com, 435-797-0297

Institution/Degree: PhD in Physics at Utah State University, 2008

Institution/ Advisor: Utah State University with CEDAR advisor Bela Fejer (bfejer@cc.usu.edu)
Research Interests: Equatorial thermosphere or ionosphere
Instruments Used: Incoherent scatter radars, magnetometers, satellite data, geophysical indices
Models Used: Ionosphere models
Other Interests: Ionospheric Electric Fields, Empirical Electric Field Models, Jicamarca Radar, Arecibo Radar

Johnson, Eric Schoen - ejohnson@utdallas.edu, 972-883-2867

Institution/Degree: PhD in Physics at University of Texas at Dallas
Institution/Advisor: The University of Texas at Dallas with CEDAR advisor Rod Heelis (heelis@utdallas.edu)
Research Interests: Polar aeronomy
Instruments Used: Satellite data
Other Interests: Joule heating in the high-latitude F region

Johnston, William Robert - wrj041000@utdallas.edu, wrjohnston@prodigy.net, (972)883-2867

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Texas at Dallas, 2007
Institution/Advisor: University of Texas at Dallas with CEDAR advisor Phillip Anderson (phillip.anderson1@utdallas.edu)
Research Interests: Solar terrestrial interactions
Instruments Used: Satellite data
Models Used: Magnetosphere models
Other Interests: Plasmasphere-ionosphere coupling

Kang, Chunmei - chunmei.kang@colorado.edu, 303-735-2487

Institution/Degree: PhD in Aerospace Engineering at University of Colorado, 2007
Institution/Advisor: Colorado University at Boulder with CEDAR advisor Scott Palo (palo@colorado.edu)
Research Interests: MLT instruments or techniques
Instruments Used: Meteor radars
Other Interests: Signal processing

Karnam Surendra Babu, Hema - shkarnam@cc.usu.edu, 435-797-3519

Institution/Degree: MS in Electrical Engineering at Utah State University , 2005
Institution/Advisor: Utah State University with CEDAR advisor Taylor (mtaylor@cc.usu.edu)
Research Interests: MLT gravity waves
Instruments Used: Imagers
Other Interests: Image/ Signal Processing

Klenzing, Jeffrey - jeffk@utdallas.edu, 972-883-6177

Institution/Degree: PhD in Physics at University of Texas at Dallas, 2008
Institution/Advisor: University of Texas at Dallas with CEDAR advisor Greg Earle (earle@utdallas.edu)
Research Interests: Comparative planets, MLT instruments or techniques, ionosphere or thermosphere observations or instruments, mid latitude thermosphere or ionosphere
Instruments Used: Satellite data
Other Interests: Gravity wave simulation, instrumentation development, RAM Wind Sensor, C/NOFS

Kobayashi, Sumire - sumire@dartmouth.edu, 603-646-3969

Institution/Degree: PhD in Physics at Dartmouth College, 2008
Institution/Advisor: Dartmouth College with GEM advisor Mary Hudson (mary.k.hudson@dartmouth.edu)
Research Interests: GEM Inner Magnetosphere Storms
Models Used: Magnetosphere models

Kohen, Talia - tk233@cornell.edu, 607-255-4183

Institution/Degree: BS in Electrical Engineering at Cornell University, 2006
Institution/Advisor: Cornell University with CEDAR advisor Nestor Aponte (naponte@naic.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, long term variations, solar terrestrial interactions, equatorial thermosphere or ionosphere, irregularities, coupling between the lower and upper atmospheres
Instruments Used: Incoherent scatter radars, GPS, imagers
Models Used: Ionosphere models
Other Interests: Airglow imager

Kokorowski, Michael - mkoko@u.washington.edu, (206) 543-0208

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Washington, 2007

Institution/Advisor: University of Washington with CEDAR advisor Robert Holzworth (bobholz@u.washington.edu)

Research Interests: Ionosphere or thermosphere observations or instruments, solar terrestrial interactions, irregularities, stratosphere and below

Instruments Used: GPS, magnetometers, balloon, plane or rocket data, satellite data, geophysical indices

Models Used: Magnetosphere models, ionosphere models

Other Interests: Minis balloon campaign data sets

Kotake, Nobuki - kotack@stelab.nagoya-u.ac.jp, +81-533-89-5247

Institution/Degree: PhD in Atmospheric Chemistry or Physics or Sciences at Nagoya University, 2007

Institution/Advisor: Nagoya University with CEDAR advisor ogawa (ogawa@stelab.nagoya-u.ac.jp)

Research Interests: Mid latitude thermosphere or ionosphere, MLT gravity waves

Instruments Used: Coherent HF radars, GPS

Other Interests: EISCAT

Lau, Elias - elias.lau@colorado.edu, 303-492-4625

Institution/Degree: PhD in Electrical Engineering at University of Colorado, 2005

Institution/Advisor: University of Colorado with CEDAR advisor Susan Avery (Susan.Avery@Colorado.EDU)

Research Interests: MLT instruments or techniques, long term variations, polar aeronomy MLT studies, MLT other waves, non-wind meteor science

Instruments Used: MLT radars, meteor radars

Models Used: Assimilation models

Other Interests: Lower and upper atmosphere dynamics, electromagnetic effects on meteor echoes and the determination of winds

Lay, Erin - erinlay@u.washington.edu, 206-543-0208

Institution/Degree: PhD in Physics at University of Washington, 2007

Institution/Advisor: University of Washington with CEDAR advisor Robert Holzworth (bobholz@ess.washington.edu)

Research Interests: Long term variations, irregularities, coupling between the lower and upper atmospheres

Instruments Used: Balloon, plane or rocket data, satellite data

Models Used: Ionosphere models

Other Interests: Global lightning

Lee, Young-Sook - yslee@yorku.ca, 416-736-2100

Institution/Degree: PhD in Atmospheric Chemistry or Physics or Sciences at York University, Canada, 2007

Institution/Advisor: York University with CEDAR advisor Gordon Shepherd (gordon@yorku.ca)

Research Interests: Solar terrestrial interactions

Instruments Used: Michelson interferometers, imagers,

Other Interests: Neutral winds measured by UARS WINDII and TIMED TIDI, UV images taken by TIMED GUVI, POLAR UVI

Li, Tao - taoli@lamar.colostate.edu, 970-491-5424

Institution/Degree: PhD in Physics at Colorado State University, 2005

Institution/Advisor: Colorado State University with CEDAR advisor She, Krueger (joeshe@lamar.colostate.edu)

Research Interests: MLT gravity waves, lidar studies,

Other Interests: Lidar research, OH imager, Tidal day-to-day variability, and Gravity wave-Planetary wave-tidal interactions

Li, Wenhui - wenhuil@cisunix.unh.edu, (603)862-1431

Institution/Degree: PhD in Physics at University of New Hampshire, 2006

Institution/Advisor: University of New Hampshire with GEM advisor Joachim Raeder (J.Raeder@unh.edu)

Research Interests: GEM Geospace GCM, Global Interactions

Liu, Kaijun - kl263@cornell.edu, 607-255-8298

Institution/Degree: PhD in Electrical Engineering at Cornell University, 2006

Institution/Advisor: Cornell University with CEDAR advisor Charles Seyler (ces7@cornell.edu)

Research Interests: GEM Magnetosphere-Ionosphere Coupling, solar terrestrial interactions

Instruments Used: Balloon, plane or rocket data, satellite data

Other Interests: Magnetic reconnection

Liu, Ningyu - nul105@psu.edu, 814-865-2776

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2005

Institution/Advisor: The Pennsylvania State University with CEDAR advisor Victor Pasko (vpasko@psu.edu)

Research Interests: Coupling between the lower and upper atmospheres, MLT studies, sprites

Instruments Used: Spectrometers, photometers, imagers

Models Used: Ionosphere models, airglow models

Other Interests: Atmospheric Electricity, Sprites, Lightning, Streamers, Fluid Model

Livneh, Dorey Joseph - dul121@psu.edu, (814)-865-0188

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2007
Institution/Advisor: Penn State University with CEDAR advisor John Mathews (jdmathews@psu.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, coupling between the lower and upper atmospheres, stratosphere and below
Instruments Used: Incoherent scatter radars
Other Interests: Barometry

Lory, Justin - justin_lory@hotmail.com, 386-239-7184

Institution/Degree: MS in Atmospheric Chemistry or Physics or Sciences at Embry Riddle Aeronautical University, 2005
Institution/Advisor: Embry-Riddle Aeronautical University with CEDAR advisor Hickey (Michael.Hickey@earu.edu)
Research Interests: MLT gravity waves
Models Used: MLT models
Other Interests: Numerical Simulation, D and F region ion chemistry

Loughmiller, Pamela J - demi@ece.cornell.edu, pL53@cornell.edu, 607-255-8298

Institution/Degree: PhD in Computer Sciences and Electrical Engineering at Cornell University
Institution/Advisor: Cornell University with CEDAR advisor Michael Kelley (mikek@ece.cornell.edu)
Research Interests: MLT instruments or techniques, equatorial thermosphere or ionosphere irregularities, MLT studies, MLT gravity waves
Instruments Used: Passive optics, imagers
Models Used: Airglow models, MLT models
Other Interests: mesospheric bores

Lundell, Eric - iamcire@yahoo.com, 435-797-3350

Institution/Degree: BS in Physics at Utah State University, 2005
Institution/Advisor: Utah State University with CEDAR advisor Vincent Wickwar (vincen.wickwar@usu.edu)
Research Interests: Mid latitude thermosphere or ionosphere, MLT studies, MLT gravity waves, lidar studies
Instruments Used: Active optics like lidar
Models Used: Thermosphere models, MLT models
Other Interests: Rayleigh Lidar densities

MacDonald, Elizabeth - macdonald@lanl.gov, 505-667-9548

Institution/Degree: Post Doc in Physics at University of New Hampshire, 2005
Institution/Advisor: Los Alamos National Lab with GEM advisor Kristina Lynch (kristina.lynch@dartmouth.edu)
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, ionosphere or thermosphere observations or instruments, MLT studies
Instruments Used: Incoherent scatter radars, spectrometers, magnetometers, balloon, plane or rocket data, satellite data, geophysical indices
Models Used: Ionosphere models

Main, Daniel S - daniel.main@colorado.edu, 303-492-1398

Institution/Degree: PhD in Physics at University of Colorado, 2005
Institution/Advisor: University of Colorado with GEM advisor Bob Ergun (ree@fast.colorado.edu)
Research Interests: GEM Magnetosphere-Ionosphere Coupling,
Instruments Used: Satellite data
Other Interests: Fully kinetic models

Malhotra, Akshay - arm239@psu.edu, 814-865-0188

Institution/Degree: Electrical Engineering at Pennsylvania State University, 2006
Institution/Advisor: Penn State University with CEDAR advisor John Mathews (JDMathews@psu.edu)
Research Interests: Non-wind meteor science
Instruments Used: Incoherent scatter radars
Other Interests: Cricket, Sleeping

Martinez, Aramis - aramisgm@hotmail.com, 915-276-7006

Institution/Degree: PhD in Physics at Rice University, PhD in 2008
Institution/Advisor: Rice University with GEM advisor Patricia Reiff (reiff@rice.edu)
Research Interests: GEM Global Interactions, GEM Magnetosphere-Ionosphere Coupling, coupling between the lower and upper atmospheres
Instruments Used: Ionosondes including ion drifts, imagers, satellite data, geophysical indices
Models Used: Magnetosphere models

Martinis, Carlos -

Institution/Degree: PhD in Astronomy at Boston University, 2005
Institution/Advisor: Boston University with CEDAR advisor michael mendillo (mendillo@bu.edu)
Research Interests: Comparative planets, equatorial thermosphere or ionosphere, irregularities, coupling between the lower and upper atmospheres
Instruments Used: Ionosondes including ion drifts, GPS imagers, satellite data, geophysical indices
Models Used: Ionosphere models

Mays, Mona Leila - lmays@physics.utexas.edu, 512-569-4165

Institution/Degree: PhD in Physics at University of Texas at Austin, 2010
Institution/Advisor: University of Texas Austin with GEM advisor Wendell Horton (horton@physics.utexas.edu)
Research Interests: GEM Inner Magnetosphere Storms
Models Used: Magnetosphere models

Meyer, Melissa - mgmeyer@ee.washington.edu, (206) 543-8740

Institution/Degree: PhD in Electrical Engineering at University of Washington, 2006
Institution/Advisor: University of Washington with CEDAR advisor John Sahr (jdsahr@u.washington.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, solar terrestrial interactions polar aeronomy, mid latitude thermosphere or ionosphere, irregularities
Models Used: Ionosphere models, MI coupling models
Other Interest: Coherent HF radar, meteor radars, incoherent scatter radars

Michell, Robert Gregory - robert.g.michell@dartmouth.edu, 603-646-2972

Institution: Dartmouth College with GEM advisor

Milla, Marco Antonio - mmilla@uiuc.edu, 217-333-4155

Institution/Degree: PhD in Electrical Engineering at University of Illinois, 2007
Institution/Advisor: University of Illinois at Urbana-Champaign with CEDAR advisor Erhan Kudeki (erhan@uiuc.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere, irregularities, data management and visualization
Instruments Used: Incoherent scatter radars, ionosondes including ion drifts
Other Interests: Signal Processing Techniques

Mistoco, Valerie - vfm2@psu.edu, 814-865-0188

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2007
Institution/Advisor: Penn State with CEDAR advisor Sven Bilen (sbilen@psu.edu)
Research Interests: Long term variations, solar terrestrial interactions
Instruments Used: Satellite data
Other Interests: Langmuir probe measurements, hybrid plasma probe

Mitchell, Elizabeth Joy - ejoymitchell@yahoo.com, 915-373-9986

Institution/Degree: MS in Space Geophysics or Physics or Sciences at FIT, 2007
Institution/Advisor: Florida Institute of Technology with GEM advisor Niescja Turner (neturner@fit.edu)
Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Magnetometers, satellite data, geophysical indices
Models Used: Assimilation models

Mohapatra, Sasmita - sxm039100@utdallas.edu, 972- 883-8726

Institution/Degree: PhD in Planetary Sciences at University of Texas at Dallas, 2008
Institution/Advisor: University of Texas at Dallas with CEDAR advisor shjs (kssjs@shsh.com)
Research Interests: Comparative planets, mid latitude thermosphere or ionosphere
Models Used: Ionosphere models
Other Interests: Mid latitude ExB drift velocity

Moore, Luke - moore@bu.edu, 617-353-5611

Institution/Degree: PhD in Astronomy at Boston University, 2006
Institution/Advisor: Boston University with CEDAR advisor Michael Mendillo (mendillo@bu.edu)
Research Interests: Comparative planets, ionosphere or thermosphere observations or instruments mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere
Instruments Used: Incoherent scatter radars, ionosondes including ion drifts, spectrometers, imagers, satellite data, geophysical indices
Models Used: Planetary models, plasmasphere models, ionosphere models, thermosphere models airglow models

Morabito, Andrew - (morabito@ee.washington.edu, 206-543-8740)

Institution/Degree: PhD in Electrical Engineering at University of Washington, 2007
Institution/Advisor: University of Washington with CEDAR advisor Sahr (jdsahr@u.washington.edu)
Research Interests: Ionosphere or thermosphere observations or instruments,
Instruments Used: Meteor radars, GPS
Models Used: Ionosphere models
Other Interests: Radar signal processing, passive radar

Muella, Marcio Tadeu AH - mmuella@dae.inpe.br, +55 12 39457164

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Instituto Nacional de Pesquisas Espaciais, 2008
Institution/Advisor: INPE with CEDAR advisor Eurico de Paula (eurico@dae.inpe.br)
Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere, irregularities
Instruments Used: Ionosondes including ion drifts, GPS, satellite data
Other Interests: VHF radar

Murray, Donald J - djm@physics.ucf.edu, 407-882-3581

Institution/Degree: PhD in Physics at University of Central Florida, 2006
Institution/Advisor: University of Central Florida with CEDAR advisor Richard Eastes (reastes@mail.ucf.edu)
Research Interests: Solar terrestrial interactions, MLT studies
Instruments Used: Passive optics, spectrometers, satellite data
Models Used: Assimilation models, planetary models, thermosphere models, airglow models
Other Interests: Airglow

Mwene, Anthony Musumba - tonymusumba@hotmail.com, 972- 883- 6177

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Texas at Dallas, 2007
Institution/Advisor: University of Texas at Dallas with CEDAR advisor Greg Earle (earle@utdallas.edu)
Research Interests: Irregularities
Instruments Used: Satellite data, geophysical indices,
Models Used: Ionosphere models
Other Interests: Gravity wave propagation in the ionosphere, Topside sounder, Retarding potential analyzer

Nesse, Hilde - hilde.nesse@ffi.no, +47-63807325

Institution/Degree: PhD in Physics at Research Council of Norway, 2007
Institution/Advisor: Norwegian Defence Research Establishment (FFI) with CEDAR advisor Ulf-Peter Hoppe (uph@ffi.no)
Research Interests: Temperatures and dynamics in the upper atmosphere during geomagnetic disturbed times
Instruments Used: ALOMAR Weber Na lidar, IRIS, GUVI, SABER, TIDI, PIXIE

Nestlerode, Christina - cnestler@gmu.edu, 703-993-8404

Institution/Degree: PhD in Physical Sciences at George Mason University, 2009
Institution/Advisor: George Mason University with CEDAR advisor Arthur Poland (apoland@gmu.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, solar terrestrial interactions, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, MLT studies
Other Interests: I am interested in the connection between solar activity and Earth's climate change and weather. I have analyzed solar data from SOHO using IDL, and I have completed analysis of radar data from the Mesocyclone Detection Algorithm using S-Plus

Nicolls, Michael - Jmjn25@cornell.edu, 607 255-9070

Institution/Degree: PhD in Electrical Engineering at Cornell University, 2007
Institution/Advisor: Cornell University with CEDAR advisor Michael Kelley (mikek@ece.cornell.edu)
Research Interests: Ionosphere or thermosphere observations or instruments , solar terrestrial interactions, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, irregularities
Instruments Used: Incoherent scatter radars, ionosondes including ion drifts, GPS, passive optics, imagers, magnetometers, geophysical indices
Models Used: Ionosphere models, thermosphere models

Niehof, Jonathan - jniehof@bu.edu, 617-353-5622

Institution/Degree: PhD in Astronomy at Boston University, 2008
Institution/Advisor: Boston University with GEM advisor Ted Fritz (fritz@bu.edu)
Research Interests: GEM Global Interactions

Nielsen, Kim - knielsen@cc.usu.edu, 435-797-3519

Institution/Degree: PhD in Physics at Utah State University, 2006

Institution/Advisor: Utah State University with CEDAR advisor Michael Taylor (mtaylor@cc.usu.edu)

Research Interests: Long term variations, polar aeronomy, coupling between the lower and upper atmospheres, MLT studies, MLT gravity waves, MLT other waves, non-wind meteor science, stratosphere and below

Instruments Used: Coherent HF radars, meteor radars, GPS, spectrometers, photometers, imagers, other cameras, magnetometers, riometers, balloon, plane or rocket data, satellite data

Other Interests: Physics Education

Nikoukar, Romina - nikoukar@uiuc.edu, (217)333-4152

Institution/Degree: PhD in Electrical Engineering at University of Illinois, 2006

Institution/Advisor: University of Illinois at Urbana-Champaign with CEDAR advisor Farzad Kamalabadi (farzadk@uiuc.edu)

Research Interests: Ionosphere or thermosphere observations or instruments

Instruments Used: Incoherent scatter radars

Models Used: Tomography

Other Interests: Incoherent scatter radar coding schemes, near infrared tomography, infrared and tomography

O'Hanlon, Brady - bwo1@cornell.edu, 607-592-6220

Institution/Degree: BS in Electrical Engineering at Cornell University, 2007

Institution/Advisor: Cornell University with CEDAR advisor Kelley (mikek@ece.cornell.edu)

Research Interests: Ionosphere or thermosphere observations or instruments

Ontiveros, Paul Alejandro - paulonti@rice.edu, 713 348-3523

Institution/Degree: PhD in Space Geophysics at Rice University,

Institution/Advisor: Rice with GEM advisor Frank Toffoletto (toffo@rice.edu)

Research Interests: GEM Geospace GCM, GEM Global Interactions, GEM Inner Magnetosphere Storms,

Models Used: Magnetosphere models,

Pacheco, Edgardo - edgardo.pacheco@student.utdallas.edu, 972-883-2111

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Texas at Dallas, 2008 (heelis@utdallas.edu)

Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, solar terrestrial interactions, equatorial thermosphere or ionosphere, irregularities, data management and visualization

Instruments Used: Incoherent scatter radars, satellite data, ionosphere models

Other Interests: Satellite and spacecraft instrumentation

Pan, Weilin - weilin.pan@sri.com, (650)859-2540

Institution/Degree: Post Doc in Electrical Engineering at University of Illinois, 2005

Institution/Advisor: SRI International with CEDAR advisor Jeff Thayer (jeffrey.thayer@colorado.edu)

Research Interests: MLT instruments or techniques, polar aeronomy, MLT studies, lidar studies,

Instruments Used: Active optics like lidar

Other Interests: Polar Mesospheric Clouds

Peter, William - wpeter@stanford.edu, (650)723-3789

Institution/Degree: PhD in Electrical Engineering at Stanford University, 2006

Institution/Advisor: Stanford University with GEM advisor Umran Inan (inan@stanford.edu)

Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling, solar terrestrial interactions, mid latitude thermosphere or ionosphere

Instruments Used: Ionosondes including ion drifts, spectrometers, magnetometers, riometers, satellite data, geophysical indices

Models Used: Magnetosphere models, plasmasphere models, M-I coupling models, ionosphere models

Platino, Manuel - platinom@stanford.edu, (650) 723-3789

Institution/Degree: Electrical Engineering at Stanford University, 2006

Research Interests: GEM Magnetosphere-Ionosphere Coupling

Instruments Used: Satellite data

Pratt, Jane - jpratt@physics.utexas.edu, 512-471-3182

Institution/Degree: PhD in Physics at University of Texas at Austin, 2008

Institution/Advisor: The University of Texas at Austin with GEM advisor Wendell Horton (horton@physics.utexas.edu)

Other Interests: plasma turbulence

Presicci, Manny Richard - presicci@colorado.edu, 303-735-6221

Institution/Degree: PhD in Physics at University of Colorado, 2007
Institution/Advisor: University of Colorado with GEM advisor Daniel Baker
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Satellite data
Models Used: Magnetosphere models

Ren, Tong - tong.ren@duke.edu, 919-660-5232

Institution/Degree: PhD in Electrical Engineering at Duke University, 2008
Institution/Advisor: Duke University with CEDAR advisor Steven Cummer (cummer@ee.duke.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, mid latitude thermosphere or ionosphere, irregularities, sprites
Instruments Used: Ionosondes including ion drifts
Models Used: Ionosphere models
Other Interests: ELF remote sensing, continuing currents in lightning flashes

Reyes, Pablo M - preyes@jro.igp.gob.pe, +51 1 3172313

Institution/Degree: BA in Electrical Engineering at Universidad Nacional de Ingenieria, 2005
Institution/Advisor: Jicamarca Radio Observatory with CEDAR advisor Jorge Chau (jchau@jro.igp.gob.pe)
Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere, MLT studies, non-wind meteor science, data management and visualization
Instruments Used: Incoherent scatter radars, MLT radars, GPS
Other Interests: Digital Receivers

Riousset, Jeremy Andre - jar471@psu.edu, (814) 865-2776

Institution/Degree: MS in Electrical Engineering at Pennsylvania State University, 2005
Institution/Advisor: PennState with CEDAR advisor Victor Pasko (vpasko@psu.edu)
Research Interests: Sprites
Other Interests: Stochastic Lightning Model for flash propagation, charge distribution in thundercloud, application to sprite and transient luminous events initiation

Roddy, Patrick - roddy@utdallas.edu, 469-569-7175

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Texas, 2005
Institution/Advisor: University of Texas at Dallas with CEDAR advisor Greg Earle (earle@utdallas.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, mid latitude thermosphere or ionosphere, irregularities, non-wind meteor science
Instruments Used: Ionosondes including ion drifts, balloon, plane or rocket data
Models Used: Ionosphere models, tidal models
Other Interests: Intermediate Layers

Rodrigues, Fabiano S - fsr5@cornell.edu, (607) 280-7851

Institution/Degree: PhD in Electrical Engineering at Cornell University, 2007
Institution/Advisor: Cornell University with CEDAR advisor David Hysell (daveh@geology.geo.cornell.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere, irregularities
Instruments Used: Incoherent scatter radars, coherent HF radars, GPS
Other Interests: Nonlinear Optimization techniques, Incoherent and Coherent Scatter radar data analysis, L-Band ionospheric scintillation and GPS TEC, Equatorial Ionosphere

Rogan, Tom - tsrfour@sc.rr.com, 864-656-1427

Institution/Degree: BS in Astronomy and Physics at Clemson University, 2005
Institution/Advisor: Clemson University with CEDAR advisor Meriwether (john.meriwether@clemson.edu)
Research Interests: Solar terrestrial interactions, MLT gravity waves, data management and visualization
Instruments Used: Fabry Perot interferometers
Other Interests: IDL software-based data analysis

Roy, Arnab - aur112@psu.edu, 814-865-0188

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2007
Institution/Advisor: Pennsylvania State University with CEDAR advisor Mathews (jdmathews@psu.edu)
Research Interests: Non-wind meteor science
Instruments Used: Incoherent scatter radars
Other Interests: Radar, meteor and signal processing

Sachdeva, Gyanda - gs256@cornell.edu, 607-592-6398

Institution/Degree: BS in Computer Sciences and Electrical Engineering at Cornell University, 2008
Institution/Advisor: Cornell University with CEDAR advisor Professor Mike Kelley (mikek@ece.cornell.edu)
Instruments Used: Incoherent scatter radars, magnetometers, satellite data
Other Interests: GOES 8 data, (Jicamarca, Piura)

Samara, Marilia - marilia@aristotle.dartmouth.edu, 603-646-1394

Institution/Degree: PhD in Physics at Dartmouth College, 2005
Institution/Advisor: Dartmouth College with GEM advisor Jim LaBelle (jlabelle@aristotle.dartmouth.edu)
Research Interests: GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Balloon, plane or rocket data
Other Interests: HF radio waves in the auroral ionosphere

Sample, John Glen - jsample@ssl.berkeley.edu, 510-642-1397

Institution/Degree: PhD in Physics at University of California Berkeley, 2007
Institution/Advisor: UC Berkeley SSL with GEM advisor David Smith, (dsmith@ssl.berkeley.edu)
Research Interests: GEM Inner Magnetosphere Storms
Instruments Used: GPS, photometers, magnetometers, riometers, balloon, plane or rocket data, satellite data

Sandford, David James - djs28@bath.ac.uk, 01225 386062

Institution/Degree: PhD in Physics at University of Bath, 2007
Institution/Advisor: University of Bath with CEDAR advisor Mitchell (eesnjm@bath.ac.uk)
Research Interests: Comparative planets, MLT instruments or techniques, solar terrestrial interactions, polar aeronomy, coupling between the lower and upper atmospheres, MLT gravity waves, MLT other waves, lidar studies
Instruments Used: Incoherent scatter radars, MLT radars
Other Interests: Radars

Sangalli, Laureline - sangalli@phys.ucalgary.ca, (403)220-6806

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Calgary, Canada, 2007
Institution/Advisor: University of Calgary with CEDAR advisor David Knudsen (knudsen@phys.ucalgary.ca)
Research Interests: Polar aeronomy, irregularities
Instruments Used: Magnetometers
Models Used: M-I coupling models
Other Interests: Ion detector, rocket data

Santos, Pedrina Terra - pedrina@dae.inpe.br, 00551239457182

Institution/Degree: Post Doc in Space Geophysics or Physics or Sciences at Instituto Nacional de Pesquisas Espaciais, 2005
Institution/Advisor: Instituto Nacional de Pesquisas Espaciais-INPE with CEDAR advisor Souza (jonas@dae.inpe.br)
Research Interests: Mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, irregularities
Instruments Used: Ionosondes including ion drifts
Models Used: Ionosphere models
Other Interests: SUPIM mode

Seal, Ryan L - rseal@naic.edu, 787-878-2612

Institution/Degree: MS in Applied Science at University of Arkansas at Little Roc, 2005
Institution/Advisor: UALR with CEDAR advisor Julio Urbina (jvurbina@ualr.edu)
Research Interests: Ionosphere or thermosphere observations or instruments
Instruments Used: Incoherent scatter radars, meteor radars
Other Interests: Digital signal processing, data acquisition, computer programming

Seker, Ilgin - ius102@psu.edu, 814-8650188

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2008
Institution/Advisor: Penn State University with CEDAR advisor John Mathews (JDMathews@psu.edu)
Research Interests: Ionosphere or thermosphere observations or instruments, solar terrestrial interactions, mid latitude thermosphere or ionosphere, irregularities, coupling between the lower and upper atmospheres, MLT studies, MLT gravity waves, MLT other waves, lidar studies
Instruments Used: Incoherent scatter radars, active optics like lidar, passive optics, imagers, magnetometers, geophysical indices
Models Used: Ionosphere models, airglow models
Other Interests: Allsky Imaging of F-region plasma depletions and mesospheric waves. Allsky Imager, Lidar, Radar.

Selser, Erin - eselser@stanford.edu, 650-725-7396

Institution/Degree: PhD in Electrical Engineering at Stanford University, 2007
Institution/Advisor: Stanford University with GEM advisor Umran Inan (inan@stanford.edu)
Research Interests: GEM Inner Magnetosphere Storms
Instruments Used: Satellite data, geophysical indices
Other Interests: VLF receiver data from various sites including Palmer Station, NASA Lightning Imaging Sensor data

Sen, Naresh - naresh@colorado.edu, 303-492-1398

Institution: University of Colorado

Sharma, Niranjana Raj - sharma@colorado.edu, 303-735-3154

Institution/Degree: PhD in Aerospace Engineering at University of Colorado, 2006
Institution/Advisor: University of Colorado at Boulder with CEDAR advisor Jeffrey Forbes (forbes@colorado.edu)
Research Interests: Comparative planets, long term variations, coupling between the lower and upper atmospheres, MLT studies, MLT gravity waves, MLT other waves
Models Used: Planetary models, tidal models, MLT models, stratosphere models
Other Interests: Currently working on a Spectral Dynamics Model

Sharman, Daria - obi@mail.utexas.edu, 512-789-5169

Institution/Degree: PhD in Aerospace Engineering, University of Texas at Austin, 2008
Institution/Advisor: Austin with CEDAR advisor Gary Bust (gbust@arlut.utexas.edu)
Instruments Used: Incoherent scatter radars, ionosondes including ion drift, GPS
Models Used: Assimilation models, ionosphere models
Other Interests: High Latitude

Shi, Yong - yongshi@atmos.ucla.edu, (310)794-9273

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of California Los Angeles, 2007
Institution/Advisor: UCLA with GEM advisor Larry Lyons (larry@atmos.ucla.edu)
Research Interests: bGEM Magnetosphere-Ionosphere Coupling
Instruments Used: bMagnetometers, satellite data, geophysical indices
Other Interests: bTurbulence

Shprits, Yuri Y - yshprits@atmos.ucla.edu, 310-794-9273

Institution/Degree: PhD Space Geophysics or Physics or Sciences at University of California Los Angeles, 2006
Institution/Advisor: UCLA with GEM advisor Richard Thorne (rmt@atmos.ucla.edu)
Research Interests: GEM Geospace GCM, GEM Inner Magnetosphere Storms, data management and visualization
Instruments Used: Satellite data, geophysical indices
Models Used: Magnetosphere models

Shume, Esayas B - ebs27@cornell.edu, 607-255-8481

Institution/Degree: PhD in Physics or Sciences at Cornell University, 2005
Institution/Advisor: Cornell University with CEDAR advisor Dave Hysell (dlh37@cornell.edu)
Research Interests: Ionosphere or thermosphere observations or instruments solar terrestrial interactions, equatorial thermosphere or ionosphere
Instruments Used: Incoherent scatter radars, coherent HF radars, ionosondes including ion drifts magnetometers, geophysical indices
Models Used: Ionosphere models
Other Interests: Extracting electron density and zonal wind profiles from coherent scatter radar observations in the equatorial electrojet; pre-reversal enhancement of the zonal electric field, influence of geomagnetic storms on the low latitude electrodynamics, coherent and incoherent scatter radar techniques; magnetometers; three dimensional electrostatic potential model

Simpson, Shawn - simpson1@uiuc.edu, 217-766-4193

Institution/Degree: Electrical Engineering at University of Illinois, 2006
Institution/Advisor: University of Illinois at Urbana-Champaign with CEDAR advisor Farzad Kamalabadi (farzadk@uiuc.edu)
Research Interests: Lidar studies, stratosphere and below
Instruments Used: Active optics like lidar
Models Used: Stratosphere models
Other Interests: Detection and analysis of polar stratospheric clouds

Snively, Jonathan - jbs231@psu.edu, 814-404-2048

Institution/Degree: Electrical Engineering at Pennsylvania State University, 2006
Institution/Advisor: Penn State University with CEDAR advisor Pasko (vpasko@psu.edu)
Research Interests: Coupling between the lower and upper atmospheres, MLT studies, MLT gravity waves
Instruments Used: Passive optics
Models Used: Airglow models, MLT models
Other Interests: Nonlinear gas dynamics models. Time-dependent photochemical models

St-Jean, Cedric - cedric.st-jean-leblanc@umontreal.ca, (514) 343-6532

Institution/Degree: BS in Physics at Université de Montréal , 2005

Institution/Advisor: Université de Montréal with CEDAR advisor Astrid Maute (maute@hao.ucar.edu)

Research Interests: Solar terrestrial interactions, data management and visualization

Instruments Used: Satellite data

Models Used: M-I coupling models

Other Interests: Solar Dynamo Models

Su, Ligu - ftls1@uaf.edu, 907-474-7578

Institution/Degree: PhD in Engineering at University of Alaska, 2007

Institution/Advisor: University of Alaska Fairbanks with CEDAR advisor Richard Collins (rlc@gi.alaska.edu)

Research Interests: Ionosphere or thermosphere observations or instruments

Instruments Used: Active optics like lidar

Other Interests: Hardware design

Sullivan, Brian Patrick - brian.p.sullivan@dartmouth.edu, Brian.P.Sullivan@Dartmouth.edu, 603 646-0779

Institution/Degree: PhD in Physics at Dartmouth College who expects to graduate with a PhD in 2008

Institution/Advisor: Dartmouth College with GEM advisor Barrett Rogers (Barrett.N.Rogers@Dartmouth.edu)

Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling

Models Used: Magnetosphere models

Other Interests: Magnetic Reconnection

Sutton, Eric K - eric.sutton@colorado.edu, 303-492-7061

Institution/Degree: PhD in Aerospace Engineering at University of Colorado, 2007

Institution/Advisor: University of Colorado with CEDAR advisor Jeffrey Forbes (forbes@colorado.edu)

Research Interests: ong term variations, solar terrestrial interactions, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, irregularities

Instruments Used: Satellite data

Models Used: Thermosphere models

Other Interests: Planetary missions

Suzuki, Shin - shin@stelab.nagoya-u.ac.jp, +81-533-89-5247

Institution/Degree: PhD in Atmospheric Chemistry or Physics or Sciences at Nagoya University, Japan,

Institution/Advisor: Nagoya University with CEDAR advisor Shiokawa Shiokawa (shiokawa@stelab.nagoya-u.ac.jp)

Research Interests: MLT studies, MLT gravity waves

Instruments Used: MLT radars, meteor radars, imagers

Models Used: Airglow models

Other Interests: Lldar

Tao, Xin - xtao@rice.edu, 832-573-9605

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Rice University, 2010

Institution/Advisor: Rice University with GEM advisor Anthony Chan (aac@landau.rice.edu)

Other Interests: Radiation Belts Transport Theory

Taylor, Brandon Thomas - brandonttaylor@mail.utexas.edu, 781-981-5407

Institution/Degree: BS in Electrical Engineering at University of Texas at Austin, 2006

Institution/Advisor: MIT with CEDAR advisor William Rideout (brideout@haystack.mit.edu)

Research Interests: Mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere

Instruments Used: Satellite data

Tomas, Jeremy N - jnt@u.washington.edu, 206-543-0208

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Washington, 2005

Institution/Degree: University of Washington with CEDAR advisor Robert Holzworth (bobholz@ess.washington.edu)

Research Interests: MLT instruments or techniques, mid latitude thermosphere or ionosphere, equatorial thermosphere or ionosphere, irregularities, coupling between the lower and upper atmospheres, MLT studies, sprites, stratosphere and below

Instruments Used: Photometers, imagers, magnetometers, balloon, plane or rocket data, satellite data

Models Used: Magnetosphere models, ionosphere models, stratosphere models

Other Interests: Physics of intense lightning, sprites, and other TLEs. X-ray/gamma-rays associated with thunderstorms and lightning.

World Wide Lightning Location Network (WWLLN). Numerical modeling of lightning-driven electric fields. The effects of lightning and TLEs on the ionosphere and magnetosphere

Thurairajah, Brentha - ftbt@uaf.edu, 994-474-7618

Institution/Degree: PhD in Atmospheric Chemistry or Physics or Sciences at University of Alaska, 2009

Institution/Advisor: University of Alaska, Fairbanks with CEDAR advisor Richard Collins (rlc@gi.alaska.edu)

Research Interests: Lidar studies

Other Interests: temperature structure of the upper atmosphere

Tsuda, Takuo - ttsuda@stelab.nagoya-u.ac.jp, 81-52-789-4307

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Nagoya University, Japan, 2008
Institution/Advisor: Nagoya University with CEDAR advisor Nozawa (nozawa@stelab.nagoya-u.ac.jp)
Research Interests: MLT studies, MLT gravity waves, MLT other waves
Instruments Used: Incoherent scatter radars
Models Used: Tidal models

Vapirev, Alexander - avapirev@unh.edu, 603-862-0712

Institution/Degree: PhD in Physics at University of New Hampshire, 2006
Institution/Advisor: UNH with GEM advisor Vania Jordanova (vania.jordanova@unh.edu)
Research Interests: GEM Inner Magnetosphere Storm

Varotsou, Athena - athina.arotsou@oncert.fr, 011-33 5 62252734

Institution/Degree: PhD in Space Physics at Onera, France, 2007
Research Interests: Coupling between the lower and upper atmospheres
Other Interests: Salammbó Code

Vasic, Ljiljana - ljerski@ucla.edu, 310-794-9273

Institution/Degree: PhD in Space Geophysics, Physics or Sciences at University of California Los Angeles, 2008
Institution/Advisor: UCLA with GEM advisor Larry Lyons (larry@atmos.ucla.edu)
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: GPS, imagers, magnetometers, satellite data
Models Used: Assimilation models, planetary models, magnetosphere models, plasmasphere models

Venkatesh, Vijay Subbaraman - vijay.venkatesh@colorado.edu, 864-506-6815

Institution/Degree: MS in Electrical Engineering at University of Colorado, 2006
Institution/Advisor: University of Colorado with CEDAR advisor James Avery (James.Avery@colorado.edu)
Research Interests: MLT instruments or techniques, ionosphere or thermosphere observations or instruments
Instruments Used: Meteor radars
Other Interests: Antennas and receivers for Radar systems

Vogiatzis, Ioannis - ivogiatz@ee.duth.gr, 617-353-7430

Institution/Degree: PhD in Space Physics at BU, DUTH, 2007
Institution/Advisor: Boston University with GEM advisor Theodore, Emmanuel Fritz, Sarri (fritz@bu.edu, garris@ee.duth.gr)
Instruments Used: Spectrometers, magnetometers, satellite data
Other Interests: Substorm dynamics

Waldrop, Lara - lwaldrop@uiuc.edu, 217-244-5129

Institution/Degree: Post Doc in Astronomy at Boston University, 2005
Institution/Advisor: UIUC with CEDAR advisor Erhan Kudeki (erhan@uiuc.edu)
Research Interest: Ionosphere or thermosphere observations or instruments, mid latitude thermosphere or ionosphere
Instruments Used: Incoherent scatter radars, ionosondes including ion drifts, passive optics, Fabry Perot interferometers, spectrometers, photometers, geophysical indices
Models Used: Ionosphere models, thermosphere models, airglow models

Watts, Jonathan Campbell - jcwatts@dartmouth.edu, jon.c.watts@gmail.com, 603-646-1488

Institution/Degree: MS in Engineering Physics, Dartmouth College, 2006
Research Interests: GEM Magnetosphere-Ionosphere Coupling, data management and visualization.
Instruments Used: Magnetometers, satellite data, magnetosphere models, M-I coupling models

Wei, Hanying - hwei@igpp.ucla.edu, 310-825-5556

Institution/Degree: PhD in Space Physics at University of California, Los Angeles, 2010
Institution/Advisor: UCLA with GEM advisor Mark Moldwin (mmoldwin@ucla.edu)
Instruments Used: GPS, magnetometers
Models Used: Magnetosphere models, M-I coupling models, ionosphere models

Welling, Daniel T - dwelling@umich.edu, 734-625-2717

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Michigan, 2007
Institution/Advisor: University of Michigan with GEM advisor Robert Clauer (rclauer@umich.edu)
Research Interests: GEM Inner Magnetosphere Storms, GEM Magnetosphere-Ionosphere Coupling
Instruments Used: Incoherent scatter radars, magnetometers, satellite data

Wendel, Deirdre - dwendel3@cs.com, dew52@columbia.edu, 713-348-3644

Institution/Degree: PhD in Physics at Rice University, 2007

Institution/Advisor: Rice University with GEM advisor Patricia Reiff (reiff@rice.edu)

Research Interests: GEM Global Interactions

Instruments Used: Spectrometers, imagers, magnetometers, satellite data

Models Used: cMagnetosphere models

Wong, Victor K - vk2@cornell.edu, 607-279-2993

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at Cornell University, 2007

Institution/Advisor: Cornell University with CEDAR advisor Michael Kelley (mikek@ece.cornell.edu)

Research Interests: Ionosphere or thermosphere observations or instruments

Instruments Used: GPS, passive optics, imagers, satellite data, geophysical indices

Models Used: Tomography, assimilation models, planetary models, plasmasphere models, ionosphere models, thermosphere models, airglow models, tidal models, MLT models

Other Interests: GPS occultation

Woodger, Leslie - leslie.woodger@dartmouth.edu, 603-646-353

Institution/Degree: PhD in Physics at Dartmouth College, 2009

Institution/Advisor: Dartmouth College with GEM advisor Robyn Millan (Robyn.Millan@dartmouth.edu)

Research Interests: GEM Inner Magnetosphere Storms

Instruments Used: cBalloon, plane or rocket data

Woodroffe, Jesse - wood0569@umn.edu, 612-251-4800

Institution/Degree: PhD in Physics at University of Minnesota, 2008

Institution/Advisor: University of Minnesota with GEM advisor Robert Lysak (bob@belka.space.umn.edu)

Research Interests: GEM Magnetosphere-Ionosphere Coupling

Models Used: M-I coupling models

Wu, Pin - pwu@bu.edu, 617.353.5611

Institution/Degree: PhD in Astronomy at Boston University, 2007

Institution/Degree: Boston University with GEM advisor Theodore Fritz (fritz@bu.edu)

Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms GEM Magnetosphere-Ionosphere Coupling

Instruments Used - Magnetometers, satellite data, geophysical indices

Models Used: Magnetosphere models, plasmasphere models, M-I coupling models ionosphere models

Yang, Heng - hxy149@psu.edu, 814-865-2776

Institution/Degree: PhD in Electrical Engineering at Pennsylvania State University, 2007

Institution/Advisor: Penn State University with CEDAR advisor Pasko (vpasko@psu.edu)

Research Interests: Sprites

Other Interests: FDTD modeling of the earth-ionosphere cavity and Schumann resonances in this cavity. Diurnal and seasonal variation on the Schumann resonance parameters

Yang, Kuo-Feng - comber@ms41.url.com.tw, 886-927-86465

Institution/Degree: PhD in Space Geophysics, Physics or Sciences at National Center University, Taiwan, 2007

Institution/Advisor: Institute of Space Science with CEDAR advisor Yen-Hsyang Chu (yhchu@jupiter.ss.ncu.edu.tw)

Research Interests: Mid latitude thermosphere or ionosphere, irregularities

Instruments Used: Coherent HF radars

Other Interests: Coherent Radar Imaging

Yatteau, Robert John - robert.yatteau@oberlin.edu, 781-981-5622

Institution/Degree: BA in Physics at Oberlin College, 2006

Institution/Advisor: MIT Haystack Observatory with CEDAR advisor Larisa Goncharenko (lpg@haystack.mit.edu)

Research Interests: Ionosphere or thermosphere observations or instruments, data management and visualization

Instruments Used: Incoherent scatter radars

Other Interests: IDL

Yount, Caroline - cyount@clemsun.edu, 864 656-5309

Institution/Degree: BS in Physics at Clemson University, 2007

Institution/Advisor: Clemson University with CEDAR advisor Miguel Larsen (mlarsen@clemsun.edu)

Research Interests: Ionosphere or thermosphere observations or instruments, equatorial thermosphere or ionosphere

Instruments Used: Balloon, plane or rocket data

Other Interests: Using chemical release techniques to determine dynamics in the equatorial ionosphere

Yu, Bin - biner99@rice.edu, 713-348-3514

Institution/Degree: PhD in Space Geophysics at Rice University, 2006
Institution/Advisor: Rice with GEM advisor Anthony Chan (aac@rice.edu).
Research Interests: GEM Global Interactions, GEM Inner Magnetosphere Storms
Models Used: Magnetosphere models,

Yu, Yonghui - yu_yonghui@yahoo.com, 386-226-6709

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Central Florida, 2006
Institution/Advisor: Embry-Riddle Aeronautical University with CEDAR advisor Michael Hickey (Michael.Hickey@erau.edu)
Research Interests: cCoupling between the lower and upper atmospheres, MLT studies, MLT gravity waves
Instruments Used: catellite data
Models Used: Airglow models, MLT models
Other Interests: General Circulation Models

Yuan, Tao - titus@lamar.colostate.edu, 970-491-5646

Institution/Degree: Post Doc in Physics at Colorado State University, 2005
Institution/Advisor: Colorado State University with CEDAR advisor She (joeshe@lamar.colostate.edu)
Research Interests: cMLT instruments or techniques, ionosphere or thermosphere observations or instruments, solar terrestrial interactions, mid latitude thermosphere or ionosphere, MLT studies, MLT gravity waves, MLT other waves, lidar studies, data management and visualization
Instruments Used: Active optics like lidar
Other Interests: Faraday Filter

Yue, Jia - jyue@lamar.colostate.edu, 970-491-5880

Institution/Degree: PhD in Electrical Engineering at Colorado State University, 2008
Institution/Advisor: Colorado State University with CEDAR advisor Chiao-Yao She (joeshe@lamar.colostate.edu)
Research Interests: MLT instruments or techniques, lidar studies
Instruments Used: Active optics like lidar
Other Interests: Electronics and optics design of laser system

Zhan, Tianyu - tzhan@clemson.edu, 864-656-0933

Institution/Degree: MS in Physics at Clemson University, 2005
Institution/Advisor: Clemson University with CEDAR advisor Miguel Larsen (mlarsen@CLEMSON.EDU)
Research Interests: Polar aeronomy
Instruments Used: Balloon, plane or rocket data, satellite data, geophysical indices
Models Used: Assimilation models, ionosphere models, thermosphere models
Other Interests: coupling between the MLT and Ionosphere/magnetosphere in polar region

Zhang, Hui - zhang@bu.edu, 617-353-5611

Institution/Degree: PhD in Astronomy at Boston University, 2008
Institution/Advisor: Center for Space Physics, Boston University with GEM advisor T. A. Fritz (fritz@bu.edu)
Research Interests: GEM Global Interactions
Instruments Used: Magnetometers, satellite data, geophysical indices
Models Used: Magnetosphere models

Zhang, Jichun - jichunz@umich.edu, 734-764-458

Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of Michigan, 2006
Institution/Advisor: University of Michigan with GEM advisor Mike Liemohn (liemohn@umich.edu)
Research Interests: GEM Geospace GCM, GEM Inner Magnetosphere Storms
Instruments Used: Satellite data, geophysical indices
Models Used: Magnetosphere models, M-I coupling models, ionosphere models
Other Interests: Solar Wind - Magnetospheric Interactions; Space Weather; Space Weather Modeling Framework (SWMF)

Zhang, Junbo - zhangj3@muohio.edu, zhouq@muohio.edu, 513 529-6505

Institution/Degree: MS in Computer Engineering or Sciences at Miami University, 2006
Institution/Advisor: Miami University with CEDAR advisor Qihou zhou (zhouq@muohio.edu)
Research Interests: Data management and visualization
Instruments Used: Incoherent scatter radars
Other Interests: Wavelet Analysis

Zhang, Xiaoli - xiaoli.zhang@colorado.edu, 303-492-2746

Institution/Degree: PhD in Aerospace Engineering at University of Colorado, 2006
Institution/Advisor: University of Colorado with CEDAR advisor Jeffrey Forbes (forbes@colorado.edu)
Research Interests: MLT other waves
Models Used: Tidal models
Other Interests: Tides and Planetary Wave in MLT and related region. Models: GSWM, Kyshu GCM, etc. Data: TIMED, etc.

Zhou, Xiaoqian - xiaoqiz@clemson.edu, 864-656-0933

Institution/Degree: PhD in Physics at Clemson University, 2007

Institution/ Advisor: Clemson University with CEDAR advisor Miguel Larsen (mlarsen@clemson.edu)

Research Interests: MLT studies

Instruments Used: Active optics like lidar

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Institution/Degree: PhD in Space Geophysics or Physics or Sciences at University of California Los Angeles, 2009

Institution/ Advisor: UCLA with GEM advisor Larry Lyons (larry@atmos.ucla.edu)

Research Interests: GEM Magnetosphere-Ionosphere Coupling, solar terrestrial interactions

Instruments Used: Coherent HF radars, magnetometers, satellite data, geophysical indices

Models Used: M-I coupling models