

## Student, Recent Graduate and Post-Doc Biographies: CEDAR 2007

**Acott, Phillip Edward** - acott@lamar.colostate.edu, (970) 491-5880

Institution/Degree: PhD, 2007, Physics, Colorado State University

CEDAR Advisor: Chiao-Yao She, joeshe@lamar.colostate.edu

Instruments, Techniques, & Models: Active Optics like Lidar, MLT Models

Research: Coupling Lower/Upper, MLT Studies, MLT gravity waves, Lidar studies

**Adams, Kimberly** - kla193@psu.edu, (814) 863-1780

Institution/Degree: PhD, after 2011, Electrical Engineering, Pennsylvania State University

CEDAR Advisor: Victor Pasko, vpasko@psu.edu

Instruments, Techniques, & Models: Passive Optics, Photometers, Imagers, Other Cameras, Satellite Data, M-I Coupling Models, Ionosphere Models, Airglow Models, MLT Models

Research: Ion(Therm)osphere Obs/Ins, Coupling Lower/Upper, MLT Studies, Sprites

**Alken, Patrick** - alken@colorado.edu, (303) 497-5480

Institution/Degree: PhD, 2009, Physics, University of Colorado

CEDAR Advisor: Stefan Maus, stefan.maus@noaa.gov

Instruments, Techniques, & Models: Satellite Data, Geophysical Indices, Ionosphere Models

Research: Ion(Therm)osphere Obs/Ins, Equatorial Therm/Iono

**Ancukiewicz, Damian** - da2260@columbia.edu, (978) 621-6943

Institution/Degree: BS, 2009, Columbia University

CEDAR Advisor: Anthea Coster, ajc@haystack.mit.edu

Instruments, Techniques, & Models: GPS

Research: Ion(Therm)osphere Obs/Ins

Extra items: Research category: Space weather, Instruments: beacon satellites, software receivers, Techniques: Image processing, statistical analysis, Models: IRI, Data: GPS and beacon satellite scintillation measurements; measurements of the amplitude phase scintillation indices, GPS Total Electron Maps

**Anderson, D. Scott** - danders9@uiuc.edu, (217) 265-0993

Institution/Degree: PhD, 2008, Electrical Engineering, University of Illinois

CEDAR Advisor: Gary Swenson, swenson1@uiuc.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Passive Optics, Imagers, Other Cameras, Tomography, Airglow Models, MLT Models

Research: MLT Studies, MLT gravity waves, MLT other waves

**Bailey, Matt** - mattbailey@cc.usu.edu, (435) 797-3519

Institution/Degree: PhD, 2007, Physics, Utah State University

CEDAR Advisor: Michael Taylor, mtaylor@cc.usu.edu

Instruments, Techniques, & Models: Passive Optics

Research: Sprites

**Barjatya, Aroh** - aroh@cc.usu.edu, (435) 881-1616

Institution/Degree: PhD, 2007, Utah State University

CEDAR Advisor: Charles Swenson, charles.swenson@usu.edu

Instruments, Techniques, & Models: Spectrometers, Balloon Plane Rocket Data, Satellite Data

Research: MLT Instruments or Techs, Polar Aeronomy, Mid Latitude Therm/Iono Langmuir Probes, Spacecraft Charging

**Barker-Tvedtnes, Jodie** - jodie13@comcast.net, (801) 671-3660

Institution/Degree: BS, 2009, Atmospheric Chemistry or Physics or Sciences, Utah State University

CEDAR Advisor: Michael Taylor, mtaylor@cc.usu.edu

Instruments, Techniques, & Models: Passive Optics, Imagers, Satellite Data

Research: Polar Aeronomy, MLT gravity waves Noctilucent Clouds

**Bass, Elizabeth** - enb@bu.edu, (617) 353-2625

Institution/Degree: PhD, 2011, Astronomy, Boston University

CEDAR Advisor: Oppenheim, meerso@bu.edu

Instruments, Techniques, & Models: Coherent HF Radars, Meteor Radars, Ionosphere Models

Research: Irregularities, Non-Wind Meteor Science

**Bean, Joseph Douglas** - joseph.bean@colorado.edu, (720) 940-6693

Institution/Degree: MS, 2008, Aerospace Engineering, University of Colorado

CEDAR Advisor: Scott Palo, palo@colorado.edu

Instruments, Techniques, & Models: Meteor Radars, Spectrometers, Photometers, Magnetometers, Satellite Data, Planetary Models

Research: Mid Latitude Therm/Iono, Lidar studies

**Berkowitz, Zachary** - zac@ee.washington.edu, (774) 216-9063

Institution/Degree: BS, 2007, Electrical Engineering, University of Washington

CEDAR Advisor: Sahr, jdsahr@u.washington.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, MLT Radars, Meteor Radars, Imagers, Satellite Data, Ionosphere Models

Research: Polar Aeronomy, Mid Latitude Therm/Iono, Irregularities, Non-Wind Meteor Science, Data Management and Viz

**Bhaneja, Preeti** - pxb049000@utdallas.edu, (972) 883-6177

Institution/Degree: PhD, 2009, Space Geophysics or Physics or Sciences, University of Texas at Dallas

CEDAR Advisor: Gregory Earle, earle@utdallas.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, MLT Radars, Ionosondes including Vi, GPS, Magnetometers, Balloon Plane Rocket Data, Satellite Data, M-I Coupling Models, Ionosphere Models, Thermosphere Models

Research: Magnetosphere, Ion(Therm)osphere Obs/Ins, Long Term Variations, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves

**Bhatt, Asti** - anb22@cornell.edu, (607) 255-9070

Institution/Degree: PhD, 2008, Electrical Engineering, Cornell University

CEDAR Advisor: Michael Kelley, mikek@ece.cornell.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Ionosondes including Vi, Passive Optics, Photometers, Imagers, Other Cameras, Magnetometers, Riometers, Geophysical Indices, Ionosphere Models

Research: Magnetosphere, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities, MLT gravity waves

**Briczinski, Stan** - sjb144@psu.edu, (814) 865-0188

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

CEDAR Advisor: John Mathews, jdmathews@psu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars

Research: Non-Wind Meteor Science Cold fusion, Adriana Lima

**Brower, Laura** - laura.brower@colorado.edu, (201) 919-3884

Institution/Degree: MS, 2008, Aerospace Engineering, University of Colorado

CEDAR Advisor: Jeffrey Thayer, jeffrey.thayer@colorado.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, MLT Radars, Ionosondes including Vi, Active Optics like Lidar, Passive Optics, Spectrometers, Imagers, Magnetometers, Satellite Data, Plasmasphere Models, M-I Coupling Models

Research: Magnetosphere, Comparative Planets, Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions, Coupling Lower/Upper, MLT gravity waves, Lidar studies

**Bryson, Gwendolyn R.** - ftgrb@uaf.edu, (907) 474-5124

Institution/Degree: MS, 2008, Electrical Engineering, University of Alaska

CEDAR Advisor: William Bristow, Bill.Bristow@gi.alaska.edu

Instruments, Techniques, & Models: MLT Radars, Meteor Radars

Research: MLT Studies, MLT gravity waves, MLT other waves

**Cahoy, Kerri L.** - kerri.cahoy@gmail.com, (650) 814-8148

Institution/Degree: PhD, 2007, Electrical Engineering, Stanford University, Cornell University (Electrical Engineering, undergraduate)

CEDAR Advisor: Prof. G. Leonard Tyler, len.tyler@stanford.edu

Instruments, Techniques, & Models: Ionosondes including Vi, GPS, Imagers, Satellite Data, Tomography, Assimilation Models, Planetary Models, Ionosphere Models, Thermosphere Models, Tidal Models, MLT Models, Stratosphere Models

Research: Comparative Planets, MLT Instruments or Techs, Long Term Variations, Solar Terrestrial Interactions, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Coupling Lower/Upper, MLT Studies, MLT gravity waves, Stratosphere and Below, Data Management a Radio occultation, Synthetic aperture radar

**Capozzi, Stephen Michael** - scapozzi@bu.edu, (315) 427-7476

Institution/Degree: MA, 2007, Electrical Engineering, Boston University

CEDAR Advisor: Joshua Semeter, jls@bu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, M-I Coupling Models, Ionosphere Models

Research: Ion(Therm)osphere Obs/Ins, Polar Aeronomy, Coupling Lower/Upper

**Carlson, Chad Gerald** - ccarlso2@ad.uiuc.edu, (217) 265-0993

Institution/Degree: PhD, 2008, Electrical Engineering, University of Illinois

CEDAR Advisor: Gary Swenson, swenson1@uiuc.edu

Instruments, Techniques, & Models: GPS, Active Optics like Lidar

Research: MLT Instruments or Techs, Ion(Therm)osphere Obs/Ins, MLT gravity waves, Lidar studies

**Chandran, Amal** - ramachaa@colorado.edu, (303) 492-5208

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

CEDAR Advisor: Dave Rusch, dave.rusch@lasp.colorado.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Meteor Radars, Imagers, Other Cameras, Satellite Data, MLT Models

Research: MLT Instruments or Techs, Ion(Therm)osphere Obs/Ins, Polar Aeronomy, MLT gravity waves, MLT other waves, Non-Wind Meteor Science

**Chang, Loren** - changlc@colorado.edu, (303) 492-1142

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

CEDAR Advisor: Scott Palo, scott.palo@colorado.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, MLT Radars, Active Optics like Lidar, Satellite Data, Planetary Models, Tidal Models, MLT Models

Research: Comparative Planets, MLT Instruments or Techs, MLT Studies, MLT gravity waves, MLT other waves

**Chapagain, Naravan Prasad** - npchapagain@cc.usu.edu, (435) 797-0889

Institution/Degree: PhD, 2009, Space Geophysics or Physics or Sciences, Utah State University

CEDAR Advisor: Bela Fejer, bfejer@cc.usu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Imagers, Other Cameras, Ionosphere Models

Research: Irregularities, MLT gravity waves Stratospheric ozone study

**Chen, Chen** - chenc@vt.edu, (540) 818-6395

Institution/Degree: PhD, 2007, Electrical Engineering, Virginia Polytechnic Institute and State University

CEDAR Advisor: Lars Dyrud, ldyrud@yahoo.com

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, GPS, Ionosphere Models

Research: Polar Aeronomy, Coupling Lower/Upper

**Comberiate, Joseph M.** - Joseph.Comberiate@jhuapl.edu, (240) 228-3177

Institution/Degree: Post Doc, Before 2007, Electrical Engineering, University of Illinois

CEDAR Advisor: Larry Paxton, Larry.Paxton@jhuapl.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosondes including Vi, Passive Optics, Spectrometers, Photometers, Imagers, Satellite Data, Geophysical Indices, Tomography, Assimilation Models, Ionosphere Models

Research: Ion(Therm)osphere Obs/Ins, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities

**Criss, Adrienne Elizabeth** - acriss@phys.psu.edu, (814) 574-0933

Institution/Degree: PhD, 2011, Physics, Pennsylvania State University

CEDAR Advisor: Elsayed Talaat, elsayed.talaat@jhuapl.edu

Instruments, Techniques, & Models: Satellite Data

Research: MLT Studies

**Cuevas, Rodolfo A.** - rac32@cornell.edu, (607) 255-8298

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

CEDAR Advisor: Michael Kelley, mikek@ece.cornell.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars

Research: Polar Aeronomy, Equatorial Therm/Iono, Irregularities

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

Institution/Degree: PhD, 2007, Computer Sciences and Electrical Engineering, University of Colorado

CEDAR Advisor: Susan Avery, susan.avery@colorado.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, MLT Radars, Meteor Radars, Satellite Data, Assimilation Models, Planetary Models, Tidal Models, MLT Models

Research: MLT Instruments or Techs, Long Term Variations, Polar Aeronomy, Mid Latitude Therm/Iono, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves, Non-Wind Meteor Science

**Diaz, Marcos Andres** - mardiaz@bu.edu, (617) 353-7843

Institution/Degree: PhD, 2009, Electrical Engineering, Boston University

CEDAR Advisor: Joshua Semeter, jls@bu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, GPS, Active Optics like Lidar, Passive Optics, Spectrometers, Photometers, Imagers, Other Cameras, Satellite Data, Tomography, Ionosphere Models

**Ejiri, Mitsumu K.** - mitsumu@cc.usu.edu, (435) 797-8128

Institution/Degree: Post Doc, Before 2007, Atmospheric Chemistry or Physics or Sciences, Nagoya University Japan

CEDAR Advisor: Mike Taylor, mtaylor@cc.usu.edu

Instruments, Techniques, & Models: MLT Radars, Meteor Radars, Ionosondes including Vi, GPS, Active Optics like Lidar, Spectrometers, Photometers, Imagers, Other Cameras, Balloon Plane Rocket Data, Satellite Data, Tomography, M-I Coupling Models, Airglow Models, MLT Models

Research: MLT Instruments or Techs, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves, Lidar studies, Stratosphere and Below

**Fang, Tzu-Wei** - 93623004@cc.ncu.edu.tw, (886) 342-2715 65780

Institution/Degree: PhD, 2009, Space Geophysics or Physics or Sciences, National Central University Taiwan

CEDAR Advisor: Jann-Yenq Liu, jyliu@jupiter.ss.ncu.edu.tw

Instruments, Techniques, & Models: GPS, Satellite Data, Tomography, Plasmasphere Models, Ionosphere Models, Thermosphere Models

Research: Magnetosphere, Solar Terrestrial Interactions, Equatorial Therm/Iono

**Farias Guterrez, Paloma** - paloma.farias@colorado.edu, (303) 735-0940

Institution/Degree: PhD, 2010, Aerospace Engineering, University of Colorado

CEDAR Advisor: Xinzhao Chu, xinzhao.chu@colorado.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Satellite Data, MLT Models

Research: MLT Instruments or Techs, MLT Studies, Lidar studies

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

Institution/Degree: Post Doc, Before 2007, Space Geophysics or Physics or Sciences, National Institute for Space Research (INPE)

CEDAR Advisor: Timothy Fuller-Rowell, Tim.Fuller-Rowell@noaa.gov

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosondes including Vi, GPS, FabryPerot Interferometer, Magnetometers, Satellite Data, Geophysical Indices, Tomography, Assimilation Models, Plasmasphere Models, M-I Coupling Models, Ionosphere Models, Thermosphere Models, MLT

Research: Ion(Therm)osphere Obs/Ins, Long Term Variations, Solar Terrestrial Interactions, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Coupling Lower/Upper

**Fentzke, Jonathan Taylor** - jonathan.fentzke@colorado.edu, (303) 415-9701 x248

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

CEDAR Advisor: Diego Janches, diego@cora.nwra.com

Instruments, Techniques, & Models: Incoherent Scatter Radars, MLT Radars, MLT Models

Research: MLT Instruments or Techs, MLT Studies, Lidar studies, Non-Wind Meteor Science

**Greer, Katelynn** - katelynn.greer@colorado.edu, (970) 310-4628

Institution/Degree: BA, 2007, Aerospace Engineering, University of Colorado

CEDAR Advisor: Jeffrey Thayer, jeffrey.thayer@colorado.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Passive Optics, FabryPerot Interferometer, Balloon Plane Rocket Data, Satellite Data, Stratosphere Models

Research: Solar Terrestrial Interactions, Coupling Lower/Upper, MLT gravity waves, Lidar studies, Stratosphere and Below

**Guturu, Harendra** - hguturu@berkeley.edu, (214) 558-8482

Institution/Degree: BS, 2008, Computer Sciences and Electrical Engineering, University of California Berkeley

CEDAR Advisor: Phil Erickson, perickson@haystack.mit.edu

Instruments, Techniques, & Models: Coherent HF Radars, Satellite Data

Research: Ion(Therm)osphere Obs/Ins

**Han, Feng** - feng.han@duke.edu, (919) 660-5232

Institution/Degree: PhD, 2011, Electrical Engineering, Duke University

CEDAR Advisor: Steve Cummer, cummer@ee.duke.edu

Instruments, Techniques, & Models: Ionosphere Models

Research: Ion(Therm)osphere Obs/Ins

**Harmon, William C.** - wch7693@gmail.com, (978) 501-4141

Institution/Degree: BS, 2010, Electrical Engineering, Rochester Institute of Technology

CEDAR Advisor: Frank Lind, flind@comcast.net

Instruments, Techniques, & Models:

Research: Research Category : Radio science, Instruments, Techniques, Models, and Data : CERTO Beacon receivers, Software Radios

**Harrell, Sean** - sharrell@lamar.colostate.edu, (970) 491-5646

Institution/Degree: PhD, 2010, Physics, Colorado State University

CEDAR Advisor: Chiao-Yao She, joeshe@lamar.colostate.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Passive Optics

Research: MLT Studies, Lidar studies

**Hassiotis, Alexander** - adh180@psu.edu, (814) 308-4273

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

CEDAR Advisor: Kane, tj7@psu.edu

Instruments, Techniques, & Models: MLT Radars, GPS, Active Optics like Lidar, Imagers, Satellite Data, Thermosphere Models, Tidal Models, MLT Models, Stratosphere Models

Research: MLT Instruments or Techs, MLT gravity waves, Stratosphere and Below

**Hedden, Russell** - rhedden@clemson.edu, (864) 650-6378

Institution/Degree: BS, 2008, Physics, Clemson University

CEDAR Advisor: John Meriwether, john.meriwether@ces.clemson.edu

Instruments, Techniques, & Models: FabryPerot Interferometer, Ionosphere Models, Thermosphere Models, Airglow Models

Research: Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono

**Hope, Elyse** - elyseh@stanford.edu, (503) 734-9518

Institution/Degree: BS, 2010, Stanford University

CEDAR Advisor: Michael Nicolls, michael.nicolls@sri.com

Instruments, Techniques, & Models: GPS, Spectrometers, Imagers, Satellite Data, Magnetosphere Models, Plasmasphere Models, M-I Coupling Models, Ionosphere Models, Airglow Models

Research: Magnetosphere, Solar Terrestrial Interactions, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Coupling Lower/Upper

**Ingersoll, Justin Edward** - jingers@clermson.edu, (864) 656-0933

Institution/Degree: MS, 2008, Electrical Engineering, Computer Engineering, Clemson University

CEDAR Advisor: Miguel Larsen, mlarsen@clermson.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Meteor Radars, Ionosondes including Vi, GPS, Active Optics like Lidar, Passive Optics, FabryPerot Interferometer, Photometers, Imagers, Other Cameras, Magnetometers, Riometers, Balloon Plane Rocket Data, Sate

Research: Magnetosphere, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities, Lidar studies, Sprites, Data Management and Viz

**Johnson, Kyle** - kyjohnso@gmail.com, (720) 320-2203

Institution/Degree: MS, 2008, Aerospace Engineering, University of Colorado

CEDAR Advisor: Palo, scott.palo@colorado.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Meteor Radars, GPS

Research: MLT Instruments or Techs

**Kafle, Durga** - dnkafle@cc.usu.edu, (435) 797-3350

Institution/Degree: PhD, 2009, Physics, Utah State University

CEDAR Advisor: Vincent Wickwar, vincent.wickwar@cc.usu.

Instruments, Techniques, & Models: MLT Radars, GPS, Active Optics like Lidar, Spectrometers, Imagers, Geophysical Indices, Airglow Models, MLT Models, Stratosphere Models

Research: Long Term Variations, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves, Lidar studies, Stratosphere and Below, Atmospheric and space physics

**Kammae, Takeshi** - tkammae@gi.alaska.edu, (907) 474-7578

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

CEDAR Advisor: Hans Nielsen, hnielsen@gi.alaska.edu

Instruments, Techniques, & Models: Spectrometers, Imagers

Research: Sprites

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

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

CEDAR Advisor: Palo, scott.palo@colorado.edu

Instruments, Techniques, & Models: Meteor Radars

Research: MLT Instruments or Techs

**Kim, Jeong-Han** - jh\_kim02@cnu.ac.kr, (042) 821-7492

Institution/Degree: MA, Before 2007, Space Geophysics or Physics or Sciences, Chunnam National University

CEDAR Advisor: Yong Ha Kim, yhkim@cnu.ac.kr

Instruments, Techniques, & Models: Meteor Radars, Passive Optics

Research: Polar Aeronomy, MLT Studies, MLT gravity waves, MLT other waves

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

Institution/Degree: PhD, 2008, Astronomy and Physics, University of Texas at Dallas

CEDAR Advisor: Greg Earle, earle@utdallas.edu

Instruments, Techniques, & Models: Satellite Data

Research: Comparative Planets, Mid Latitude Therm/Iono, Data Management and Viz

**Kurdzo, James** - jmkurdzo@marauder.millersville.edu, (978) 337-1823

Institution/Degree: BS, 2009, Meteorology, Millersville University of Pennsylvania

CEDAR Advisor: Phil Erickson, pje@haystack.mit.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosphere Models, Thermosphere Models

**Li, Jingbo** - j1108@ee.duke.edu, (919) 660-5232

Institution/Degree: PhD, 2009, Electrical Engineering, Duke University

CEDAR Advisor: Steven Cummer, cummer@ee.duke.edu

Instruments, Techniques, & Models:  
Research: Sprites

**Li, Lin** - lli@clemson.edu, (864) 656-5326

Institution/Degree: PhD, 2009, Atmospheric Chemistry or Physics or Sciences, Clemson University  
CEDAR Advisor: lehmacher, glehmac@clemson.edu  
Instruments, Techniques, & Models: Balloon Plane Rocket Data  
Research: MLT Instruments or Techs, Solar Terrestrial Interactions, Polar Aeronomy, Mid Latitude Therm/Iono

**Li, Zhenhua** - zli2@uiuc.edu, (217) 265-0993

Institution/Degree: PhD, 2010, Atmospheric Chemistry or Physics or Sciences, University of Illinois  
CEDAR Advisor: Alan Liu, liuzr@uiuc.edu  
Instruments, Techniques, & Models: Balloon Plane Rocket Data  
Research: Stratosphere and Below

**Line, Michael Robert** - mline@wisc.edu, (608) 262-1152

Institution/Degree: BS, 2008, Astronomy and Physics, University of Wisconsin  
CEDAR Advisor: Edwin Mierkiewicz, emierk@wisp.physics.wisc.edu  
Instruments, Techniques, & Models: Passive Optics, FabryPerot Interferometer, Michelson Interferometers, Spectrometers, Imagers, Planetary Models  
Research: Comparative Planets, Solar Terrestrial Interactions

**Liu, Ningyu** - nul105@psu.edu, (814) 863-1780

Institution/Degree: PhD, 2006, Electrical Engineering, Pennsylvania State University  
CEDAR Advisor: Pasko, vpasko@psu.edu  
Instruments, Techniques, & Models: Passive Optics, Spectrometers, Photometers, Imagers, Satellite Data, M-I Coupling Models, Ionosphere Models, Airglow Models, MLT Models  
Research: MLT Instruments or Techs, Ion(Therm)osphere Obs/Ins, Coupling Lower/Upper, MLT Studies, Sprites

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

Institution/Degree: PhD, 2008, Electrical Engineering, Pennsylvania State University  
CEDAR Advisor: Mathews, JDMathews@psu.edu  
Instruments, Techniques, & Models: Incoherent Scatter Radars, Imagers, Magnetometers, Ionosphere Models, Thermosphere Models, Tidal Models  
Research: Ion(Therm)osphere Obs/Ins, Polar Aeronomy, Mid Latitude Therm/Iono, Irregularities, Coupling Lower/Upper

**Loughmiller, Pamela J.** - pL53@cornell.edu, (386) 323-8971

Institution/Degree: Post Doc, Before 2007, Electrical Engineering, Embry Riddle Aeronautical University  
CEDAR Advisor: Michael Hickey, Micheal.Hickey@erau.edu  
Instruments, Techniques, & Models: Active Optics like Lidar, Passive Optics, Imagers, Airglow Models, MLT Models  
Research: MLT Instruments or Techs, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves, Lidar studies

**Lu, Xian** - xianlu2@uiuc.edu, (217) 333-2931

Institution/Degree: PhD, 2011, Atmospheric Chemistry or Physics or Sciences, University of Illinois  
CEDAR Advisor: Swenson, swenson1@uiuc.edu  
Instruments, Techniques, & Models:  
Research: MLT gravity waves, Lidar studies

**Lundberg, Erik Thomas** - etl22@cornell.edu, (651) 353-8256

Institution/Degree: PhD, 2011, Electrical Engineering, Cornell University  
CEDAR Advisor: Paul Kintern, pmkl@cornell.edu  
Instruments, Techniques, & Models: GPS, Photometers, Magnetometers, Balloon Plane Rocket Data  
Research: Magnetosphere, Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions

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

Institution/Degree: PhD, 2010, Electrical Engineering, Pennsylvania State University  
CEDAR Advisor: John Mathews, JDMathews@psu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars

Research: Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities, Non-Wind Meteor Science

**Martinis, Carlos** - martinis@bu.edu, (617) 353-5258

Institution/Degree: Post Doc, Before 2007, Space Geophysics or Physics or Sciences, Boston University

CEDAR Advisor: michael mendillo, mendillo@bu.edu

Instruments, Techniques, & Models: Ionosondes including Vi, GPS, Passive Optics, FabryPerot Interferometer, Imagers, Satellite Data, Geophysical Indices, Ionosphere Models, Thermosphere Models, Airglow Models

Research: Comparative Planets, Solar Terrestrial Interactions, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities

**Masurkar, Amrita Vijay** - spamrita@mit.edu, (978) 490-7619

Institution/Degree: BS, 2009, Physics, Math and Atmospheric/Oceanic Physics, Massachusetts Institute of Technology

CEDAR Advisor: Larisa Goncharenko, lpg@haystack.mit.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosphere Models, Thermosphere Models, Tidal Models, MLT Models

Research: Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions, Mid Latitude Therm/Iono, MLT gravity waves, MLT other waves

**Matta, Majd** - majdm@bu.edu, (508) 287-6207

Institution/Degree: PhD, 2011, Astronomy and Physics, Boston University

CEDAR Advisor: Michael Mendillo, mendillo@bu.edu

Instruments, Techniques, & Models: Satellite Data, Planetary Models

Research: Comparative Planets, Long Term Variations, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono

**Michell, Robert Gregory** - robert.michell@dartmouth.edu, (603) 646-2972

Institution/Degree: PhD, 2007, Space Geophysics or Physics or Sciences, Dartmouth College

CEDAR Advisor: Kristina Lynch, lynch@birkeland.dartmouth.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Spectrometers, Imagers, Balloon Plane Rocket Data, Satellite Data

Research: Ion(Therm)osphere Obs/Ins, Polar Aeronomy

**Michhue, Gabriel Percy** - gpm27@cornell.edu, (217) 778-7487

Institution/Degree: PhD, 2010, Electrical Engineering,

CEDAR Advisor: David Hysell, dlh37@cornell.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Magnetometers

Research: Magnetosphere, Solar Terrestrial Interactions, Polar Aeronomy

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

Institution/Degree: PhD, 2008, Electrical Engineering, University of Illinois

CEDAR Advisor: Erhan Kudeki, erhan@uiuc.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosphere Models

Research: Equatorial Therm/Iono

**Miller, Ethan Schofield** - esmiller@uiuc.edu, (217) 265-0993

Institution/Degree: PhD, 2009, Electrical Engineering, University of Illinois

CEDAR Advisor: Jonathan Makela, jmakela@uiuc.edu

Instruments, Techniques, & Models: GPS, FabryPerot Interferometer, Imagers, Satellite Data, Geophysical Indices, Ionosphere Models

Research: Equatorial Therm/Iono, Irregularities

**Mwene, Anthony Musumba** - tonymusumba@yahoo.com, (972) 883-6177

Institution/Degree: PhD, 2007, Physics, University of Texas at Dallas

CEDAR Advisor: Gregory Earle, earle@utdallas.edu

Instruments, Techniques, & Models: Satellite Data, Geophysical Indices, Ionosphere Models

Research: Mid Latitude Therm/Iono, Irregularities Topside sounders and Digisondes

**Narvaez, Clara** - cnarvaez@bu.edu, (617) 850-5292

Institution/Degree: BA, 2007, Astronomy, Boston University  
CEDAR Advisor: Mendillo, mendillo@bu.edu  
Instruments, Techniques, & Models: Satellite Data  
Research: Solar Terrestrial Interactions

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

Institution/Degree: PhD, 2008, Electrical Engineering, University of Illinois  
CEDAR Advisor: Farzad Kamalabadi, farzadk@uiuc.edu  
Instruments, Techniques, & Models: Incoherent Scatter Radars, Satellite Data, Tomography  
Research: MLT gravity waves

**Nishioka, Michi** - nishioka@kugi.kyoto-u.ac.jp, (817) 575-3395 3953

Institution/Degree: MS, 2009, Space Geophysics or Physics or Sciences,  
CEDAR Advisor: Saito, saitoua@kugi.kyoto-u.ac.jp  
Instruments, Techniques, & Models: GPS  
Research: Equatorial Therm/Iono, Irregularities

**Nossa, Eliana** - en45@cornell.edu, (607) 339-1563

Institution/Degree: PhD, 2011, Electrical Engineering, Cornell University  
CEDAR Advisor: David Hysell, dlh37@cornell.edu  
Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, MLT Radars, GPS, Magnetosphere Models, Ionosphere Models, MLT Models  
Research: Magnetosphere, Irregularities, MLT Studies, MLT gravity waves

**Pacheco, Edgardo E.** - edgardo.pacheco@student.utdallas.edu, (972) 883-6177

Institution/Degree: PhD, 2009, Physics, University of Texas at Dallas  
CEDAR Advisor: Roderick Heelis, heelis@utdallas.edu  
Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, GPS, Satellite Data, Ionosphere Models  
Research: Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions, Equatorial Therm/Iono, Data Management and Viz space instrumentation

**Parris, Richard Todd** - ftrtp@uaf.edu, (907) 474-5124

Institution/Degree: PhD, 2007, Electrical Engineering, University of Alaska  
CEDAR Advisor: William Bristow, bill.bristow@gi.alaska.edu  
Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, MLT Radars, Meteor Radars, Ionosondes including Vi  
Research: MLT Instruments or Techs, Ion(Therm)osphere Obs/Ins, Polar Aeronomy, Irregularities, MLT Studies, MLT gravity waves

**Pawlowski, David John** - dpawlows@umich.edu, (734) 709-0311

Institution/Degree: PhD, 2009, Space Geophysics or Physics or Sciences, University of Michigan  
CEDAR Advisor: Aaron Ridley, ridley@umich.edu  
Instruments, Techniques, & Models: Ionosphere Models, Thermosphere Models  
Research: Mid Latitude Therm/Iono, Equatorial Therm/Iono Coupling UA/Magnetosphere, Climbing and skiing!

**Pinedo Nava, Henry** - hpinedo@jro.igp.gob.pe, (511) 317-2313

Institution/Degree: MS, 2007, Physics Applied - Optics, Pontificia Universidad Católica del Perú  
CEDAR Advisor: Jorge Chau, jchau@jro.igp.gob.pe  
Instruments, Techniques, & Models: Incoherent Scatter Radars  
Research: Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Stratosphere and Below Spaced antenna & radar imaging

**Ramani, Aditya** - azr134@psu.edu, (814) 321-2032

Institution/Degree: MS, 2008, Electrical Engineering, Pennsylvania State University  
CEDAR Advisor: JULIO URBINA, jurbina@enr.psu.edu

Instruments, Techniques, & Models: Coherent HF Radars, MLT Radars, Meteor Radars, GPS, Satellite Data, Ionosphere Models, Stratosphere Models  
Research: Magnetosphere, MLT Studies, Lidar studies

**Ranjan, Sukrit** - sukrit@mit.edu, (203) 671-9115

Institution/Degree: BS, 2010, Physics, Earth, Atmospheric and Planetary Science, Massachusetts Institute of Technology  
CEDAR Advisor: Michael Nicolls, michael.nicolls@sri.com

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Balloon Plane Rocket Data, Satellite Data, Planetary Models, Magnetosphere Models, Plasmasphere Models, Ionosphere Models

Research: Magnetosphere, Comparative Planets, Solar Terrestrial Interactions, Polar Aeronomy

**Redmon, Rob** - rob.redmon@noaa.gov, (303) 497-4331

Institution/Degree: PhD, after 2011, Space Geophysics or Physics or Sciences, University of Colorado  
CEDAR Advisor: Eric Kihn, Eric.A.Kihn@noaa.gov

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, Ionosondes including Vi, GPS, Imagers, Magnetometers, Geophysical Indices, Assimilation Models, Planetary Models, M-I Coupling Models, Ionosphere Models

Research: Ion(Therm)osphere Obs/Ins, Long Term Variations, Solar Terrestrial Interactions, Mid Latitude Therm/Iono, Equatorial Therm/Iono, MLT gravity waves, Data Management and Viz

**Reimuller, Jason David** - reimulle@colorado.edu, (720) 352-3227

Institution/Degree: PhD, 2008, Aerospace Engineering, Physics, University of Colorado, San Francisco State University  
CEDAR Advisor: Jeffrey Thayer, jeffrey.thayer@colorado.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Imagers, Other Cameras, Balloon Plane Rocket Data, Satellite Data, MLT Models

Research: Polar Aeronomy, Lidar studies Flight research and testing

**Reyes, Pablo Martin** - pmreyes2@uiuc.edu, (217) 898-9291

Institution/Degree: MS, 2008, Electrical Engineering, University of Illinois  
CEDAR Advisor: Erhan Kudeki, erhan@uiuc.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, MLT Radars, Ionosondes including Vi, Ionosphere Models

Research: MLT Instruments or Techs, Equatorial Therm/Iono, MLT Studies, Data Management and Viz

**Rice, Donald** - Don.Rice@usu.edu, (435) 752-6567

Institution/Degree: PhD, 2008, Electrical Engineering, Utah State University  
CEDAR Advisor: Jan Sojka, fsojka@sojka.cass.usu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, MLT Radars, Ionosondes including Vi, GPS, Magnetometers, Riometers, Satellite Data, Geophysical Indices, Assimilation Models, Ionosphere Models

Research: MLT Instruments or Techs, Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions, Mid Latitude Therm/Iono, MLT Studies

**Riousset, Jeremy Andre** - jar471@psu.edu, (814) 863-1780

Institution/Degree: PhD, 2009, Electrical Engineering, Pennsylvania State University  
CEDAR Advisor: Victor Pasko, vpasko@psu.edu

Instruments, Techniques, & Models: GPS, Balloon Plane Rocket Data, Satellite Data

Research: Coupling Lower/Upper, Sprites, Stratosphere and Below Lightning study, relationships with TLEs initiation

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

Institution/Degree: PhD, 2008, Electrical Engineering, Cornell University  
CEDAR Advisor: David Hysell, dlh37@cornell.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, GPS

Research: Equatorial Therm/Iono, Irregularities

**Rogan, Thomas Stanislaw** - trogan@umd.edu, (864) 656-1427

Institution/Degree: BS, 2010, Computer Sciences and Electrical Engineering, University of Maryland  
CEDAR Advisor: John Meriwether, john.meriwether@ces.clemson.edu

Instruments, Techniques, & Models: FabryPerot Interferometer, Photometers, Imagers, Balloon Plane Rocket Data, Airglow Models  
Research: Mid Latitude Therm/Iono, Equatorial Therm/Iono

**Saleh, Ziad** - zsaleh@fit.edu, (321) 674-8098

Institution/Degree: PhD, 2009, Atmospheric Chemistry or Physics or Sciences, Florida Institute of Technology  
CEDAR Advisor: Dr. Rassoul, rassoul@fit.edu

Instruments, Techniques, & Models: GPS, Imagers, Balloon Plane Rocket Data, Planetary Models, Ionosphere Models, Airglow Models, Stratosphere Models

Research: Sprites, Stratosphere and Below Energetic radiation from lightning.

**Saotome, Ryo** - ryo.saotome@trincoll.edu, (617) 835-6386

Institution/Degree: BS, 2008, Physics, Mathematics, Trinity College

CEDAR Advisor: Larisa Goncharenko, lpg@haystack.mit.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, MLT Radars, Meteor Radars, Ionosphere Models, Thermosphere Models

Research: MLT Studies, MLT other waves

**Schmidt, Carl Andrew** - schmidtc@bu.edu, (303) 579-6626

Institution/Degree: PhD, after 2011, Space Geophysics or Physics or Sciences, Boston University

CEDAR Advisor: Michael Mendillo, mendillo@bu.edu

Instruments, Techniques, & Models: Spectrometers

Research: Polar Aeronomy

**Scipion, Danny E.** - dscipion@ou.edu, (217) 979-2825

Institution/Degree: PhD, 2010, Computer Sciences and Electrical Engineering, University of Oklahoma

CEDAR Advisor: Robert Palmer, rpalmer@ou.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars

Research: Lidar studies, Non-Wind Meteor Science, Stratosphere and Below Wind Profilers

**Seker, Ilgin** - ius102@psu.edu, (814) 865-0188

Institution/Degree: PhD, 2008, Electrical Engineering, Pennsylvania State University

CEDAR Advisor: JOHN MATHEWS, JDMathews@psu.edu

Instruments, Techniques, & Models: Passive Optics, Imagers

Research: Mid Latitude Therm/Iono

**Sheffield, Amanda Marie** - asheffie@purdue.edu, (440) 213-6034

Institution/Degree: BS, 2009, Meteorology, Physics, Purdue University

CEDAR Advisor: Craig Tepley, ctepley@naic.edu

Instruments, Techniques, & Models: Meteor Radars, Active Optics like Lidar, Spectrometers, Imagers, Other Cameras, Balloon Plane Rocket Data, Satellite Data, Geophysical Indices, Planetary Models, Magnetosphere Models, Thermosphere Models, Airglow Models, Stratosphere Models

Research: Magnetosphere, Comparative Planets, Ion(Therm)osphere Obs/Ins, Long Term Variations, Solar Terrestrial Interactions, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, MLT gravity waves, Lidar studies, Non-Wind Meteor Science, Stratosphere and Below

**Shim, Ja Soon** - jsshim@cc.usu.edu, (435) 797-2939

Institution/Degree: PhD, 2008, Space Geophysics or Physics or Sciences, Utah State University

CEDAR Advisor: Robert Schunk, schunk@cc.usu.edu

Instruments, Techniques, & Models: GPS, Satellite Data, Assimilation Models, Ionosphere Models

Research: Mid Latitude Therm/Iono, Equatorial Therm/Iono

**Simkhada, Deepak B.** - dbsimkhada@gmail.com, (435) 797-3519

Institution/Degree: PhD, 2007, Physics, Utah State University

CEDAR Advisor: Mike Taylor, mtaylor@cc.usu.edu

Instruments, Techniques, & Models: Meteor Radars, Imagers, Other Cameras, Satellite Data, Airglow Models, MLT Models

Research: MLT Studies, MLT gravity waves, MLT other waves MLT Dynamics, Instabilities and Aeronomy

**Smith, Camille Briana** - camsmith@cc.usu.edu, (801) 347-9348

Institution/Degree: BS, 2009, Physics, Mathematics, Utah State University

CEDAR Advisor: Nestor Aponte, naponte@naic.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Active Optics like Lidar, Passive Optics

Research: Solar Terrestrial Interactions, Polar Aeronomy, MLT gravity waves, Lidar studies, Sprites, Data Management and Viz

**Snively, Jonathan Brian** - jbs231@psu.edu, (814) 404-2048

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

CEDAR Advisor: Victor Pasko, vpasko@psu.edu

Instruments, Techniques, & Models: Meteor Radars, Imagers, Airglow Models, MLT Models

Research: Coupling Lower/Upper, MLT gravity waves, MLT other waves

**Sparks, Jonathan James** - sparksj@colorado.edu, (303) 415-9701

Institution/Degree: BS, 2008, Physics, Aerospace Engineering, University of Colorado

CEDAR Advisor: Diego Janches, diego@cora.nwra.com

Instruments, Techniques, & Models: Incoherent Scatter Radars, Meteor Radars

Research: MLT Instruments or Techs, Polar Aeronomy, Non-Wind Meteor Science

**Sun, Shuxiang** - ftss1@uaf.edu, (907) 474-5124

Institution/Degree: MS, 2007, Electrical Engineering, University of Alaska

CEDAR Advisor: William Bristow, bill.bristow@gi.alaska.edu

Instruments, Techniques, & Models: Coherent HF Radars

**Sunderland, Matthew** - mds5000@psu.edu, (717) 250-8140

Institution/Degree: BS, 2008, Electrical Engineering, Pennsylvania State University

CEDAR Advisor: Julio Urbina, jurbina@enr.psu.edu

Instruments, Techniques, & Models: Balloon Plane Rocket Data, Satellite Data

Research: Data Management and Viz

**Taylor, Brandon Thomas** - bttaylor@mit.edu, (617) 253-1631

Institution/Degree: MS, 2008, Media Arts and Sciences, Massachusetts Institute of Technology

CEDAR Advisor: Hien Vo, hvo@naic.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosondes including Vi, GPS, Satellite Data, Ionosphere Models

Research: Ion(Therm)osphere Obs/Ins

**Thakker, Purvesh** - pbt003@yahoo.com, (772) 321-1622

Institution/Degree: PhD, 2007, University of Illinois

CEDAR Advisor: Gary Swenson, swenson1@uiuc.edu

Instruments, Techniques, & Models: Spectrometers, Photometers, Imagers, Other Cameras, Magnetometers, Balloon Plane Rocket Data, Satellite Data

**Thurairajah, Brentha** - ftbt@uaf.edu, (907) 474-7618

Institution/Degree: PhD, 2008, Atmospheric Chemistry or Physics or Sciences, Atmospheric Chemistry or Physics or Sciences, University of Alaska

CEDAR Advisor: Richard Collins, rlc@gi.alaska.edu

Instruments, Techniques, & Models: Satellite Data

Research: Coupling Lower/Upper, Lidar studies, Stratosphere and Below

**Tsuda, Takuo T.** - ttsuda@stelab.nagoya-u.ac.jp, (815) 278-9430

Institution/Degree: PhD, 2008, Atmospheric Chemistry or Physics or Sciences, Nagoya University Japan

CEDAR Advisor: Nozawa, nozawa@stelab.nagoya-u.ac.jp

Instruments, Techniques, & Models: Incoherent Scatter Radars, Coherent HF Radars, MLT Radars, Meteor Radars, Active Optics like Lidar, FabryPerot Interferometer, Photometers, Imagers, Satellite Data, M-I Coupling Models, Thermosphere Models, MLT Models

Research: MLT Instruments or Techs, Polar Aeronomy, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves, Lidar studies

**Tworck, Gregory** - gtwork@clermson.edu, (423) 335-1975

Institution/Degree: BS, 2008, Physics, Clemson University

CEDAR Advisor: Meriwether, john.meriwether@ces.clemson.edu

Instruments, Techniques, & Models:

Research:

**Varney, Roger Hale** - rhv5@cornell.edu, (607) 255-8298

Institution/Degree: BS, 2009, Computer Sciences and Electrical Engineering, Cornell University

CEDAR Advisor: Michael Kelley, mikek@ece.cornell.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Magnetometers

Research: Polar Aeronomy, Equatorial Therm/Iono, MLT gravity waves

**Vertatschitsch, Laura Elizabeth** - vertatle@ee.washington.edu, (425) 221-0192

Institution/Degree: PhD, 2010, Electrical Engineering, University of Washington

CEDAR Advisor: Sahr, jdsahr@u.washington.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Satellite Data

Research: Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions, Irregularities

**Wiig, Johannes** - jwiig@naic.edu, (303) 735-0940

Institution/Degree: PhD, 2010, Aerospace Engineering, University of Colorado, CIRES

CEDAR Advisor: Xinzhao Chu, xinzhao.chu@colorado.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Passive Optics, FabryPerot Interferometer, Spectrometers, Satellite Data

Research: MLT Instruments or Techs, Lidar studies

**Wiren, Ashley** - ashley.wiren@colorado.edu, (303) 492-2767

Institution/Degree: PhD, 2009, Aerospace Engineering, University of Colorado

CEDAR Advisor: Thayer, jeffrey.thayer@colorado.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars

Research: Polar Aeronomy

**Wolfe, Elizabeth A.** - elizabeth.wolfe@peterson.af.mil, (719) 556-3729

Institution/Degree: MS, 2008, Aerospace Engineering, University of Colorado

CEDAR Advisor: Jeffrey Forbes, Forbes@Colorado.edu

Instruments, Techniques, & Models:

Research:

**Yamashita, Chihoko** - Chihoko.Yamashita@colorado.edu, (303) 735-1575

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

CEDAR Advisor: Xinzhao Chu, Xinzhao.Chu@colorado.edu

Instruments, Techniques, & Models: Active Optics like Lidar

Research: Coupling Lower/Upper, Lidar studies

**Yang, Tae-yong** - yty16@naver.com, (042) 821-7492

Institution/Degree: MS, 2008, Astronomy, Chungnam National University Korea

CEDAR Advisor: Yong-ha Kim, yhkim@cnu.ac.kr

Instruments, Techniques, & Models: Imagers

Research: MLT gravity waves

**Yizengaw, Endawoke** - ekassie@igpp.ucla.edu, (310) 206-4380

Institution/Degree: Post Doc, Before 2007, Space Geophysics or Physics or Sciences, University of California Los Angeles

CEDAR Advisor: Mark Moldwin, mmoldwin@igpp.ucla.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosondes including Vi, GPS, Magnetometers, Satellite Data, Tomography, Plasmasphere Models, M-I Coupling Models, Ionosphere Models

Research: Magnetosphere, Solar Terrestrial Interactions, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Coupling Lower/Upper

**Yu, Yonghui** - Yonghui.Yu@erau.edu, (386) 226-6168

Institution/Degree: PhD, 2007, Atmospheric Chemistry or Physics or Sciences, Atmospheric dynamics, Embry Riddle Aeronautical University, University of Central Florida

CEDAR Advisor: Michael Hickey, Michael.Hickey@erau.edu

Instruments, Techniques, & Models: Planetary Models, Airglow Models, MLT Models

Research: Comparative Planets, Long Term Variations, Polar Aeronomy, Coupling Lower/Upper, MLT Studies, MLT gravity waves, MLT other waves

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

Institution/Degree: PhD, 2008, Electrical Engineering, Colorado State University

CEDAR Advisor: Chiao-Yao She, joeshe@lamar.colostate.edu

Instruments, Techniques, & Models: Active Optics like Lidar, Imagers

Research: MLT Instruments or Techs, MLT Studies, MLT gravity waves, Lidar studies, Stratosphere and Below

**Zettergren, Matthew D.** - mattz@bu.edu, (617) 353-7843

Institution/Degree: PhD, 2009, Electrical Engineering, Boston University

CEDAR Advisor: Joshua Semeter, jls@bu.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Ionosondes including Vi, GPS, Passive Optics, Spectrometers, Photometers, Imagers, Other Cameras, Satellite Data, Tomography, Planetary Models, Magnetosphere Models, Plasmasphere Models, M-I Coupling Models, Ionosphere Models, T

Research: Magnetosphere, Comparative Planets, Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions, Polar Aeronomy, Mid Latitude Therm/Iono, Equatorial Therm/Iono, Irregularities, Coupling Lower/Upper

**Zou, Shasha** - sha@atmos.ucla.edu, (310) 794-9273

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

CEDAR Advisor: Larry Lyons, larry@atmos.ucla.edu

Instruments, Techniques, & Models: Incoherent Scatter Radars, Magnetometers, Satellite Data, Geophysical Indices

Research: Magnetosphere, Ion(Therm)osphere Obs/Ins, Solar Terrestrial Interactions