

Fall 2014 Applications Awarded Time

Peter Allen

L Dwarf Companions to Spectroscopic Binaries: Spectroscopic Follow-Up

Richard Cartwright, Josh Emery, Andy Rivkin, David Trilling

Mapping the distribution of carbon dioxide ice and dark material on the large moons of Uranus: Where did these surface constituents come from?

Michael Connelley, Bo Reipurth

DQ Tau: A Unique Laboratory for Accretion Burst Events Triggered by Binary Disk Interactions

Paul Hardersen, Vishnu Reddy, Brenda Risky, Rachel Roberts

Mineralogical characterization of NEOWISE-defined V-type asteroids near [4] Vesta and in the outer main asteroid belt

Michael Sitko, Ray Russell, Nemanja Jovanovic, Olivier Guyon, Carol Grady, Misato Fukagawa, Michael McElwain

Spectral Characteristics of Target Disks of Extreme Adaptive Optics Observations: SCEXAO

Mark Willman, Bin Yang, Michael Marsset

Searching for Water in High-albedo Asteroids in the Outer Main Belt

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Kevin Baines, Patrick Irwin, James Sinclair

Changes in Saturn's cloud structure: Support for the Cassini Atmospheric Investigation on Orbits 207-217

Glenn Orton, Padma Yanamandra-Fisher, Leigh Fletcher, Kevin Baines, Gordon Bjoraker, James Sinclair, Tom Momary, Agustin Sanchez-Lavega, Ricardo Hueso, Santiago Perez-Hoyos, Takehiko Satoh, Yasumasa Kasaba

Global-Scale Cloud and Auroral Variability in Jupiter

Paolo Tanga, Humberto Campins, Noemi Pinilla-Alonso, Alberto Cellino, Xavier Licandro, Maxime Devogele, Marco Delbo

Measuring spinel abundance in L-type asteroids

Michael Sitko, Ray Russell, Daryl Kim, Stefan Kraus, Michel Cure, Samer Kanaan, Carol Grady, John Monnier, Sean Andrews, Matthew Wilson, Catherine Espaillat, Tim Harries

Coordinated Spectroscopic and Interferometric Observations of Young Stellar Disks with Planet-Cleared Gaps

Eric Gaidos, Andrew Mann

Reliable Radii and the Composition of the Smallest, Coolest Kepler Planets

Therese Encrenaz, Thomas Greathouse, Pierre Drossart, Thierry Fouchet, Matthew Richter, John Lacy, Michael Janssen, Samuel Gulkis, Glenn Orton, Leigh Fletcher, Rohini Giles

Monitoring Jovian Dynamics: A 3D map of PH₃ and NH₃ using TEXES

Glenn Orton, Leigh Fletcher, Thomas Greathouse, James Sinclair, Rohini Giles, Padma Yanamandra-Fisher, Takehiko Satoh, Yasumasa Kasaba

Atmospheric Properties of Jupiter's Polar Regions and Newly Colored Cyclones and Anticyclones

Gordon Bjoraker, Michael Wong, Nancy Chanover, Tilak Hewagama

Water Clouds and Volatiles on Jupiter in Preparation for Juno

Kevin Luhman

Spectral Classification of High Proper Motion Objects from WISE

Andrew Mann, Niall Deacon, Katelyn Allers, Michael Liu, Kimberly Aller, Eugene Magnier, Megan Ansdell

Prospecting in Ultracool Dwarfs: Measuring the metallicity of L dwarfs

Joel Green, Patrick Hartigan, John Lacy

The Gas Content of a Cloud in the Early Epoch of Massive Star Formation

Jacqueline Keane, Bin Yang, Silvia Protopapa, Michael Kelley, Christophe Dumas

The Physical Properties of Water Ice in Comets

David Polishook, Nicholas Moskovitz

Secondary Members of Asteroid Pairs: a Key to Measure the Timescale of Space Weathering

Jonathan Gagne, David Lafreniere, Rene Doyon, Lison Malo, Marie-Eve Naud, Etienne Artigau

Spectroscopic confirmation of very low-mass stars, brown dwarfs and planetary-mass candidates in nearby, young moving groups

Miwa Goto, Tom Geballe

Searching for isotopomers of H₃⁺ in the infrared

James Sinclair, Thomas Greathouse, Glenn Orton, Leigh Fletcher, Pat Irwin, Rohini Giles

Jupiter's polar aurorae: stratospheric temperature and composition at solar maximum

Kurt Retherford, Thomas Greathouse, Cesare Grava, Andrew Steffl, Lorenz Roth, John Spencer, Con Tsang

Io's Mid-IR Sulfur Ion Aurora: Imaging a Key Plasma Interaction Environment with TEXES

Andrew Mann, Megan Ansdell, Eric Gaidos

Measuring the True Temperatures of Stars

Henrik Melin, Tom Stallard, Steve Miller, Larry Trafton, James Blake

Determining the energy drivers of Uranus' upper atmosphere

Gina Santangelo, Matthew J. Richter, John Lacy, Brunella Nisini, Simone Antonucci, David Neufeld, Claudio Codella, Teresa Giannini, Ewine F. van Dishoeck, Bertrand Lefloch, Sylvie Cabrit, Mario Tafalla, Rene Liseau

Are we measuring the right water abundance in shocks?

Nicholas Moskovitz, Richard Binzel, Bobby Bus, Tim Spahr, Steven Chesley, David Polishook, Francesca DeMeo, Mirel Birlan

IRTF NEO Rapid Response: Close Encounters of the Asteroid Kind

Nathanael Wigton, Josh Emery

Search for 3-um features on near-Earth asteroids.

Nicholas Scott, Bertrand Mennesson, Michael Meyer, Geoffrey Bryden, Raphaela Wagner, John Rayner

Identification and architecture of Hot/Warm ExoZodiacal Disks with SpeX.

Zoe Landsman, Humberto Campins, Noemi Pinilla-Alonso, Julia de Leon, Javier Licandro

An Investigation of the 3-um Feature in M-Type Asteroids

Rohini Giles, Leigh Fletcher, Thomas Greathouse, Glenn Orton, Pat Irwin, James Sinclair, Therese Encrenaz

Atmospheric dynamics of Jupiter's deep troposphere

Rolf P. Kudritzki, J. Zach Gazak, Miguel A. Urbaneja

The potential of IR spectroscopy for metallicity studies of classic Cepheids beyond the Magellanic Clouds.

Neil Dello Russo, Ronald Vervack, Harold Weaver, Hideyo Kawakita, Hitomi Kobayashi, Walter Harris, Anita Cochran, Adam McKay, Nicolas Biver, Dominique Bockelee-Morvan, Jacques Crovisier, Emmanuel Jehin

The volatile composition of comet C/2013 V5 Oukaimeden

Thomas Greathouse, Glenn Orton, Leigh Fletcher, Therese Encrenaz, Thierry Fouchet, Rohini Giles

Characterizing Wave Phenomena in Jupiter's upper atmosphere in the Thermal-IR

Mike Barlow, Bruce Swinyard, Steve Miller, Patrick Owen, Jose Cernicharo

The properties of Crab Nebula molecules

Graham Harper, Matthew Richter, Eamon O Gorman, Edward Guinan, Thomas Greathouse

Continuation of 'Probing Betelgeuse's extended atmosphere with IRTF-TEXES and SOFIA-EXES; exploiting the forbidden Fe II ladder'

Joshua Schlieder, Tom Herbst, Tom Greene, Mickael Bonnefoy, Sebastien Lepine, Emily Rice, Eric Gaidos

Completing the CASTOFFS Survey with SpeX I. Fall Targets

Alan Tokunaga, Richard Binzel, David Polishook, Mirel Birlan, A. S. Rivkin, S. J. Bus, F. E. DeMeo, N. Moskovitz

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

Vishnu Reddy, Michael Gaffey, James Granahan, William Bottke

Impact Melt Link Between L Chondrites And Gefion Family

Edward Montiel, Geoffrey Clayton, Tom Geballe, Patrick Tisserand, Doug Welch

Uncovering the Evolutionary Pathways of the R Coronae Borealis Stars: The 16O/18O Ratio

Driss Takir, Josh Emery

Near-infrared Spectroscopy of Outer Main Belt Asteroids

Carey Lisse, Andy Cheng, Karl Hibbitts, Mike Sitko, Ron Vervack, Neil Dello Russo

SPeX Observations of the BOPPS NASA Suborbital Program Mission Targets

Francesca DeMeo, Richard Binzel, David Polishook

Determining the role of Mars in refreshing asteroid surfaces

Ellen Howell, Ronald Vervack, Yan Fernandez, Sean Marshall, Jenna Jones

Combining thermal observations and radar-derived shapes of near-Earth asteroids

Michael Liu, Eugene Magnier, Niall Deacon, Will Best, Kimberly Aller, Michael Kotson

Rare Brown Dwarfs in the Solar Neighborhood from Pan-STARRS-1

David Sand, Howie Marion, Dipankar Banerjee, Stefano Valenti, Andy Howell, Melissa Graham, Jerod Parrent, Eric Hsiao, N.M. Ashok

Constraining Supernova Physics with Near-Infrared Spectroscopy

Michael Lucas, Joshua Emery

Building Blocks of the Terrestrial Planets: Mineralogy of Hungaria Asteroids

Amanda Gulbis, Michael Person, Amanda Bosh, Carlos Zuluaga

Stellar occultations by Pluto and other large TNOs

Karen Leighly, Donald Terndrup, Sarah Gallagher, Xinyu Dai

Quasar Feedback: The Special Case of Broad NaI Absorption Quasars

Everett Schlawin, Johanna Teske, Ming Zhao, Terry Herter

Addressing Discrepancies in KIC 12557548b's Transmission Spectrum

Richard Binzel, Alan Tokunaga, David Polishook, Mirel Birlan, A. S. Rivkin, S. J. Bus, F. E. DeMeo, N. Moskovitz

Spectral Measurements of Spacecraft Mission Candidates and Potentially Hazardous Asteroids

David Trilling, Amanda Gulbis, Andy Rivkin

Identification of volatile ices on outer Solar System surfaces from very low signal SpeX+MORIS spectra

Brian Mazur, Tom Megeath, Dawn Peterson, Marina Kounkel, Lee Hartmann, Will Fischer

Determining the Properties of Protostellar and Pre-main Sequence Binaries in the Orion Molecular Cloud

Cathy Olkin, Will Grundy, Leslie Young

Characterizing change of Pluto's Surface Ices

Constantine Tsang, John Spencer, Matthew Richter, Thomas Greathouse

Investigating the unexpected behavior of Io's Sublimation Atmosphere

B-G Andersson, Sachin Shenoy, John Vaillancourt, Thiem Hoang

Can polarization curves be used to diagnose the characteristics of interstellar ices?

Cassy Davison, Russel White, Nicole Cabrera, Todd Henry

Creating a Catalogue of Cool Stars for Future Terrestrial Planet Searches

Kimberly Aller, Michael Liu, Eugene Magnier

Finding the Elusive Substellar Members of Nearby Young Moving Groups

Vishnu Reddy, Michael Gaffey, Ron Dyvig, Bruce Gary, Tom Kaye, Paul Abell

Physical Characterization of Near-Earth Asteroids

Peter Plavchan, Jonathan Gagne, Elise Furlan, Russel White, Cassy Davison, Guillem Anglada, Lisa Prato, Peter Gao, Michael Bottom

Precise NIR Radial Velocities of M dwarfs

John Gizis, Peter Williams

Spectroscopic Confirmation of Ultracool Dwarfs in Kepler K2 Fields

Bo Reipurth, Michael Connelley

Very Low Mass Companions to Newborn Stars

James Muzerolle, Kevin Flaherty, Zoltan Balog, Tracy Beck, Elise Furlan, Robert Gutermuth

A Tale of Two Binaries: Pulsed Accretion at the Protostellar and T Tauri Phases of Evolution

Katelyn Allers, Kimberly Aller, Michael Liu

L' and 3.3 micron Imaging of Exoplanet Analogs

Michael DiSanti, Boncho Bonev, Geronimo Villanueva, Erika Gibb, Michael Mumma, Lucas Paganini, Karen Magee-Sauer

Parent Volatile Composition of Long-period Comet C/2013 V5 [Oukaimeden]

Kendra Kellogg, Stanimir Metchev

A Survey of L/T-transition and Peculiar Brown Dwarfs from an SDSS/2MASS/WISE Cross-match

Geronimo Villanueva, Michael Mumma, Michael DiSanti, Boncho Bonev, Robert Novak, Lucas Paganini, Alain Khayat, Alan Tokunaga

Will the building blocks of life be delivered to Mars in 2014?

Hui Dong

Digging out the Evolved Massive Stars in the Galactic Center

Ron Vervack, Neil Dello Russo, Hal Weaver, Hideyo Kawakita, Nicolas Biver, Dominique Bockelee-Morvan, Jacques Crovisier

Probing the chemistry of comet C/2014 E2 [Jacques] with SpeX and CSHELL

Joshua Emery, Jim Bell, Mike Brown, David Trilling, Jennifer Patience

Where did the Trojan asteroids form? Constraints from composition and size distributions

Leslie Young, William Grundy, Eliot Young

Triton's 2014 baseline for rotational and seasonal variability

Guy Stringfellow, Vasilii Gvaramadze

Spectral Identification and Variability of New Galactic LBV, WR, and WN Progenitor Stars of Mid-IR Nebulae

Cristina Thomas, Lucy Lim, David Trilling, Nicholas Moskovitz

Search for a Differentiated Asteroid Family

Boncho Bonev, Michael DiSanti, Geronimo Villanueva, Michael Mumma, Michael Combi, Lucas Paganini, Erika Gibb, Karen Magee-Sauer

Exploring The Inner-Coma Physical Environment of C/2013 V5 [Oukaimeden]

Michael Lundquist, Henry Kobulnicky, Charles Kerton

SpeX Observations of Intermediate-Mass Star-Forming Regions

Jacqueline Faherty, Emily Rice, Kelle Cruz, Munazza Alam, Sara Camnasio

Uncovering Young/Cloudy Brown Dwarfs in WISE and 2MASS

Charlie Conroy, John Rayner, Pieter van Dokkum

Metal-Rich and Metal-Poor: Expanding the IRTF Spectral Library

David Paige, Paul Lucey, Paul Hayne, Klaus-Michael Aye

A search for lunar surface water ice in Sylvester Crater
