Department of Astronomy/Steward Observatory
Internal Symposium

Kuiper Building Room 308
8:30 am to 6:00 pm
Friday, March 4, 2016

7:45-8:20	Coffee in Kuiper Atrium
8:20-8:30	Instructions
8:30-8:37	**Buell Jannuzi** – Introductory Remarks
8:37-8:44	**Beth Willman** – Dwarfs Around Dwarfs
8:44-8:51	**Brian Svoboda** – The Formation and Evolution of Protoclusters in the Milky Way
8:51-8:58	**Michelle Wilson** – A Spectroscopic Survey of the Fields of 28 Strong Gravitational Lenses: Lens Environments
8:58-9:05	**Alessondra Springmann** – Thermal Release of Labile Elements from Primitive Meteorites: Applications for Comets, Asteroid Sample Return Missions, and Asteroid Mining
9:05-9:12	**Grant Williams** – Whipping Supernovae into Shape
9:12-9:19	**Michi Baubock** – Validating Theoretical Approximations in Pulse Profile Modeling for NICER
9:19-9:26	**Megan Gralla** – AGN Environments with the Sunyaev Zel'dovich Effect
9:26-9:32	**Yifan Zhou** – The Discovery of Near-Infrared Variability of a Planetary Mass Companion
9:32-9:39	**Decker French** – Tidal Disruption Events Prefer Unusual Host Galaxies
9:39-9:46	**Barry Rothberg** – Monsters in the Making: The Evolutions & Properties of Intermediate Redshift ULIRGs
9:46-9:53	**Ya-Lin Wu** – Finding the Progenitor of SN 2016adj Using MagAO
9:53-10:00	**Vivien Parmentier** – The Cloud Composition of Hot Jupiter Atmospheres
10:00-10:30	Coffee in Kuiper Atrium
10:32-10:39	**Abhijit Saha** – Towards Sub-Percent Accuracy Spectrophotometry
10:39-10:46	**Kevin Wagner** – First Results from the Scorpion Planet Survey

10:46-10:53 **Peter Milne** – Revisiting Riess et al. 1998 in Light of UV-Optical Bi-Modality of Normal Type Ia Supernovae

10:53-11:00 **Jianwei Lyu** – Star Formation and AGN Activity in Quasars at z>5

11:00-11:07 **Elisabeth Mills** – ALMA Observes Recent Accretion onto the Galactic Center Circumnuclear Disk

11:07-11:14 **Kevin Hainline** – What Can We Learn From Finding and Studying Obscured Active Galactic Nuclei?

11:14-11:21 **Michael Hammer** – Reversing Giant Planet Migration with Vortices

11:21-11:28 **Nick Ballering** – The Dust Composition of the Beta Pic Debris Disk

11:28-11:35 **Hao Yang** – Pressure-Dependent Changes in Light Curve Shape of Brown Dwarfs

11:35-11:42 **Daniel Apai** – Earths in Other Solar Systems

Lunch 11:42-1:25

1:30-1:37 **Nirav Merchant** – CyVerse: Clouds That You Like to Have Around

1:37-1:44 **Nirav Merchant Group**

1:44-1:51 **Asher Baltzell** – Findr: Doing Real Things with Virtual Computational Resources (For Finding Exoplanets)

1:51-1:58 **OPEN**

1:58-2:05 **Eric Butcher** – Research in the Autonomous Space Vehicles and Astrodynamics Laboratory

2:05-2:12 **Moriba Jah** – Space Object Behavioral Sciences: The Key to Understanding and Predicting the Space Object Population and its Evolution

2:12-2:19 **Chris Walker** – Terahertz Space Telescope (TST): A Far-Infrared Surveyor Concept

2:19-2:26 **Carolyn Raithel** – Constraining the Neutron Star Equation of State from Moment of Inertia Measurements

2:26-2:33 **David Ball** – Non-Thermal Particles as a Source of X-ray Flares in GRMHD Models of Sgr A*

2:33-2:40 **Justin Spilker** – Running on Empty: Gas During the Buildup of Early Quiescent Galaxies

2:40-2:47 **Adam Bolton** – Lensed Lyman-Alpha Emitting Galaxies and CDM Substructure

2:47-2:54 **Steph Sallum** – Imaging Protoplanets

2:54-3:01 **Richard Donnerstein** – Object Subtraction for Detection of Ultra-Faint Galaxies

3:01-3:08	**Jennifer Kadowaki** – Low Surface Brightness Galaxies in the Dark Energy Survey
3:08-3:40	Coffee Break in Kuiper Atrium
3:40-3:47	**Ed Prather** – Teaching From a Worldviews Perspective in STEM
3:47-3:54	**Gurtina Besla** – Imprints of Tidal Interactions between the Magellanic Clouds in the Stellar Periphery
3:54-4:01	**Min-Kai Lin** – How to Fragment Protostellar Disks with Pen & Paper
4:01-4:08	**John Bieging** – Molecular Cloud Maps with the Heinrich Hertz Telescope: Toward a Universal Star-Formation Law
4:08-4:15	**Evan Schneider** – The Physics of Galactic Winds
4:14-4:22	**Kirk Hendricks** – What LBT-MODS Prism Data Can Do For You
4:22-4:29	**Federico Fraschetti** – Very-High Energy Steady Spectrum of Crab Nebula and Particle Acceleration
4:29-4:36	**Annalisa Calamida** – New Insights into the Galactic Bulge Initial Mass Function
4:36-4:43	**Jarron Leisenring** – Mid-IR Observations of Volcanism on Io
4:43-4:50	**Rixin Li** – On the Robustness of Particle Concentration by the Streaming Instability
4:50-4:57	**Dan Avner** – FRoST: Flagstaff Robotic Survey Telescope
4:57-5:04	**Nathan Smith (NAU)** – Thermophysical Modelling of Phobos
5:04-5:11	**Kathryn Neugent** – Using Dark Energy Camera Data to Find High Inclination NEOs
5:11-5:18	**Philip Massey** – A Runaway Red Supergiant in M31
5:18-5:25	**Gijs Mulders** – The Exoplanet Population around Low-Mass Stars
5:25-5:32	**Theodora Karalidi** – Weather Maps of Luhman 16A & 16B
5:32-5:39	**Megan Kiminki** – Eta Carinae Has Erupted At Least Twice Over the Last Millennium
5:39-5:46	**Marcia Rieke** – JWST Update: Houston We Have a Telescope

Reception to Follow in Atrium