

Agenda

Thursday, September 14, 2017

08:00 | **Breakfast**

08:50 | Ryan Foley: Welcome and Introductions

Session I | Session Chair: Tom Prince

09:00 | Hilton Lewis: State of Keck Observatory

09:30 | Erik Petigura: The California-Kepler Survey

09:45 | Marusa Bradac: Reionisation and First Galaxies with Keck

10:00 | Kelly Kosmo O'Neil: Improving Estimates of Orbital Parameters for Incomplete Orbits with a New Approach to Priors

10:15 | Emma Ryan-Weber: Galaxies and Intergalactic Carbon at Redshifts 4 to 6

10:30 | **Break**

Session II | Session Chair: Jean Brodie

10:50 | Pieter van Dokkum: Properties of Ultra Diffuse Galaxies

11:05 | Rachel Smith: A Survey of Protoplanetary Carbon in Young Stellar Systems Using Keck-NIRSPEC

11:20 | Nicha Leethochawalit: On the Evolution of stellar MZR: Cl0024+1654 Stellar Metallicities

11:35 | Charles Kilpatrick: Uncovering the Progenitors of Core-collapse Supernovae with Keck Adaptive Optics and High-Resolution Spectroscopy

11:50 | Jeff Cooke: The first $z > 2$ supernova spectra in outburst: A first look at their far-UV, their classification, and a puzzle

12:05 | **Lunch**

Session III | Session Chair: Bob Kirshner

13:15 | Anne Kinney: Update from Time Domain Astronomy Workshop

13:30 | Marta Bryan: Constraining the Origin of Young Planetary-Mass Companions Using Planetary Spin

13:45 | Andrey Vayner: Quasar hosts Unveiled by high Angular Resolution Techniques (QUART)

14:00 | Grant Hill: Modeling the Colliding Wind Spectra of WR 113

14:15 | Ann Merchant Boesgaard: Light Element Abundances in the Hyades Cluster

14:30 | "Poster Pop" (Poster Presentations)

15:00 | **Break/Posters**

Session IV | Session Chair: Mike Bolte

15:45 | Mark Chun: `imaka: Exploring wide field ground-layer adaptive optics on Maunakea

16:00 | Leo Alcorn: The Kinematics of Star-Forming Galaxies at $z \sim 2$

16:15 | Marie Wingyee Lau: Quasars Probing Quasars: the circumgalactic medium surrounding $z \sim 2$ quasars

16:30 | Ben Mazin: KRAKENS: A Microwave Kinetic Inductance Detector based IFS for Keck I

16:45 | Tiffany Meshkat: Occurrence of giant planets around stars with dusty debris disks

17:00 | Nikki Nielsen: The MgII Circumgalactic Medium in Group Environments

Friday, September 15, 2017

08:00 | Breakfast

Session V | Session Chair: Karl Glazebrook

- 09:00 |** Michitoshi Yoshida: Director's Report (Subaru Telescope)
- 09:30 |** Brian Hayden: See Change: The Supernova Cosmology Project High-z Cluster Supernova Survey
- 09:45 |** Evan Sinukoff: Exploring the Compositional Diversity of Small Exoplanets from K2
- 10:00 |** Judy Cohen: Keck Helping Euclid, a Status Report for the C3R2 Project
- 10:15 |** Matthew Hosek: The Initial Mass Function of the Arches Cluster
- 10:30 | Break**

Session VI | Session Chair: Judy Cohen

- 10:50 |** Masato Onodera: ISM properties of star-forming galaxies at $z \sim 3.3$ from MOSFIRE spectroscopy
- 11:05 |** David Bennett: Measuring the Cold Exoplanet Mass Function with Keck AO
- 11:20 |** Asher Wasserman: Measuring Dark Matter in Massive Galaxies
- 11:35 |** Thayne Currie: Multi-Wavelength Characterization of Keck-Discovered Directly-Imaged Exoplanets
- 11:50 |** Alex Krolewski: CLAMATO: Mapping the $z \sim 2$ universe with 3D Lyman-alpha forest tomography
- 12:05 | Lunch**

Session VII | Session Chair: Marusa Bradac

- 13:15 |** Jean Brodie: Keck White Papers -- Introduction
- 13:21 |** Jessica Lu: Enhancing Multi-Object Spectroscopy with Ground-Layer Adaptive Optics
- 13:33 |** Dimitri Mawet: NIRC2 Upgrade
- 13:45 |** James Larkin: New AO IFS design
- 13:57 |** Claire Max: UCO White Papers
- 14:00 |** Don Neill: KCWI Update

- 14:10 |** Ji Wang: Detecting Methane In HR 8799 c with High Dispersion Spectroscopy aided by Adaptive Optics
- 14:25 |** Adam Tomczak: The Galaxy Stellar Mass Function: Glimpsing the Effect of Local Environment
- 14:40 |** David Fisher: DYNAMO: An up-close view of turbulent disk galaxies
- 14:55 | Break**

Session VIII | Session Chair: Claire Max

- 15:15 |** Anna Ciurlo: Gas Dynamics at the Galactic Center
- 15:30 |** Stephanie Pointon: The Impact of the Group Environment on the OVI Circumgalactic Medium
- 15:45 |** Dimitri Mawet: Keck Planet Imager and Characterizer: status update
- 16:00 |** Gregory Walth: Using Cosmic Telescopes to Study the Nebular Emission of Gravitationally Lensed Dusty, Star-Forming Galaxies with Keck
- 16:15 |** Hassen Yesuf: Studying Galactic Winds, Stellar populations, and Gas Metallicities with Deep Keck Spectroscopy
- 16:30 |** Devin Chu: Investigating the binarity of the short period star S0-2 in orbit around the Galactic center supermassive black hole
- 16:45 |** Calen Henderson: Using AO Follow-up to Characterize Microlensing Exoplanets