

# Keck Science Meeting - 2023

All times in Pacific Daylight Time

		<i>Thursday, September 7, 2023</i>	START	END
<b>SESSION ONE -</b>				
Chornock and Brown on behalf of the Keck Science Meeting SOC and LOC	WELCOME and Logistics		9:00	9:06
	MORNING PLENARY		9:07	9:37
Nik Prusinski, Caltech	KCRM Early Science Results and New DRP Post-Processing Capabilities		9:38	9:53
Jacqueline Antwi-Danso, Texas A&M	The FENIKS Survey: Spectroscopic Confirmation of Massive Quiescent Galaxies at $z\sim 3-5$		9:54	10:09
<b>BREAK AND POSTERS</b>			10:10	10:40
<b>SESSION TWO -</b>				
Rich Matsuda/John O'Meara	Status of the W.M. Keck Observatory		10:41	11:21
Jingwen Zhang, UH Ifa	The 3D Architecture of a Transiting Hot Jupiter Orbiting an Oscillating Subgiant with an Outer Companion		11:22	11:37
Lauren Weiss, Notre Dame	The Kepler Giant Planet Search. I: A Decade of Kepler Planet Host Radial Velocities from W. M. Keck Obser		11:38	11:53
Alex Polanski, University of Kansas	The TESS-Keck Survey: 10,000 Radial Velocity Points Providing Mass Constraints on 128 Planets		11:54	12:09
<b>LUNCH AND POSTERS (A)</b>			12:10	13:30
<b>SESSION THREE -</b>				
	AFTERNOON PLENARY		13:31	13:46
Melissa Shahbandeh, STScI	Probing Early Universe Dust Formation with Keck+JWST		14:03	14:18
Lingfeng Wei, UC San Diego	The 3D Kinematics of the Orion Nebula Cluster: Mass-dependent Kinematics of the Inner Cluster		14:19	14:34
<b>BREAK AND POSTERS</b>			14:35	15:05
<b>SESSION FOUR -</b>				
Pritom Mozumdar, UC Davis	Improved Hubble constant measurement with spatially resolved kinematics		15:06	15:21
Aliza Beverage, UC Berkeley	The evolution of massive quiescent galaxies since $z=2.2$ with the Keck Heavy Metal survey: Clues from stellar metallicities and abundance ratios		15:22	15:37
Yuguang Chen, UC Davis	Robust Chemical Abundance Pattern in the Dwarf Galaxy Haro 3 from KCWI+KCRM		15:38	15:53
Ryan Rickards Vaught, UC San Diego	Improved Hubble constant measurement with spatially resolved kinematics		15:54	16:09
	LATE AFTERNOON PLENARY		16:10	16:40
Breakout	OPTIONAL BREAKOUTS (2) Performance and Use of the Keck Planet Finder & (3) What functionality do you want to see in KOA?		16:41	17:41
<b>ADJOURN</b>			<b>17:41</b>	

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<i>Friday, September 8, 2023</i>		START	END
<b>SESSION FIVE -</b>	WELCOME BACK and Logistics	8:55	9:00
	MORNING PLENARY	9:01	9:31
Ned Molter, UC Berkeley	The Twilight Zone: Five Years of Solar System Twilight Observations at Keck	9:32	9:47
John O'Meara, WMKO	Keck 2035: The WMKO Strategic Plan	9:48	10:03
Alexa Gordon, Northwestern	A Census of Fast Radio Burst Host Galaxies and Implications for the Progenitor(s)	10:04	10:19
<b>SESSION SIX -</b>			
<b>BREAK AND POSTERS (B)</b>	BREAK AND POSTERS - Group B	10:20	10:50
Subaru Director	Status of the Subaru Observatory	10:51	11:11
Greg Aldering, LBNL	Optical+NIR AO with an Orbiting Configurable Artificial Star	11:12	11:27
Benjamin Calvin, UCLA	Simultaneous Operation of a SCAO system and Controllable Segmented Primary Mirror with a Pyramid Wavefront Sensor	11:28	11:43
Jessica Sullivan, Notre Dame	Recreating LRIS Slitmasks for use with Multislit Observations	11:44	11:59
<b>LUNCH AND POSTERS (B)</b>	<b>OPTIONAL BREAKOUT (4) The Future of Keck Adaptive Optics ; starts at 12:15 in main room</b>	12:00	13:15
<b>SESSION SEVEN -</b>			
	AFTERNOON PLENARY	13:16	13:47
Andrew Howard, Caltech	Initial Results from the Keck Planet Finder	13:48	14:03
Ryan Rubenzahl, Caltech	Observing the Sun-as-a-star at Extreme RV Precision and Cadence with the Keck Planet Finder	14:04	14:19
Jerry Xuan, Caltech	Peering into the formation of young substellar companions with the Keck Planet Imager and Characterizer	14:20	14:35
Rachel Bowens-Rubin, UC Santa Cruz	The observer who cried Wolf 359: lessons for the Keck high-contrast imaging community in the infrared M-band	14:36	14:51
<b>BREAK AND POSTERS (B)</b>	BREAK AND POSTERS (B)	14:52	15:22
<b>SESSION EIGHT -</b>			
Luke Finnerty, UCLA	Surveying hot Jupiter atmospheres with Keck/KPIC	15:23	15:38
Joseph Murphy, UC Santa Cruz	12 New Planets from the TESS-Keck Survey and a Fresh Look at the Exoplanet Mass-Radius Diagram	15:39	15:54
Justin Kader, UC Irvine	Mapping Multi-scale AGN Outflows with Keck/KCWI	15:55	16:10
Wenjun Chang, UC Riverside	The Role of AGN and Gas Depletion in the Quenching of Ultra-Massive Galaxies: Insights from the MAGAZZ3	16:11	16:26
Breakout	<b>OPTIONAL BREAKOUT (5) The SSC Sub-Committee to Consider the Evolution of the Instrument Suite at WMKO</b>	16:27	17:27
<b>ADJOURN</b>	ADJOURN	<b>17:27</b>	