



**Unlocking a New Era in Biodiversity Science:  
Linking Integrated Space Based and In-Situ Observations**

**October 1-5, 2018  
Overview Schedule**

**Monday, October 1, 2018  
Salvatori Seminar Room, South Mudd Building (3rd floor) - Caltech**

***Biodiversity Science and Remote Sensing Fundamentals*  
Introductory Lectures - Open to all interested students, researchers and faculty**

<b>Time</b>	<b>Event</b>	<b>Speaker</b>
8:00 - 8:30	Coffee and Refreshments	
8:30 - 8:40	Logistics / Introduction	Michele Judd Erika Podest
8:40 - 9:20	Biodiversity Science	Jeannine Cavender-Bares
9:20 - 10:00	Remote Sensing Physics and Measurements	Kyle McDonald
10:00 - 10:30	Break	
10:30 - 11:10	Imaging Spectroscopy from Space	Phil Townsend
11:10 - 11:50	Species Distribution Modeling	Robert Guralnick
11:50 - 12:30	Biodiversity Policy and How to Assess Progress Towards Meeting Policy Goals	Gary Geller
12:30 - 1:30	Short Course Ends: Informal Lunch is provided outside Salvatori Seminar Room	
<b>Invitation-Only Workshop Begins Keck Center - Think Tank, Room 155</b>		
1:30 - 1:45	Walk to Keck Center, pick up badge and welcome packet, find seat in the Think Tank	
1:45 - 2:30	Workshop Logistics and Introduction to KISS	Michele Judd
2:30 - 3:00	Participant Introductions	Michele Judd
3:00 - 3:30	Study vision and goals for this workshop	Team Leads
3:30 - 4:00	Break	
4:00 - 5:00	Finalize study vision and workshop goals via plenary discussion	Team Leads
5:15 - 5:30	Solicitation of Lightning Talks	Team Leads
5:30 - 6:00	Pack up and walk to the Athenaeum	All
6:00	Dinner at the Athenaeum	

## Tuesday, October 2, 2018 - Keck Center - Think Tank, Room 155

Time	Event	Speaker
8:00 - 8:30	Institute Opens - FREE THINK TIME	
8:30 - 9:00	Coffee and Refreshments at Keck Center	
9:00 - 9:15	Logistics and Team Lead Goals for the Day	Michele Judd and Team Leads
9:15 - 9:35	A NASA Perspective on Biodiversity Science: Where Do We Go From Here?	Woody Turner
9:35 - 9:55	NSF Perspective on Biodiversity Science	Elizabeth Blood
9:55 - 10:15	Remote Sensing of the Biodiversity Gap	David Schimel
10:15 - 10:30	Selection of Breakout Groups and Topics	All
10:30 - 11:00	Break	
11:00 - 12:30	Breakout Groups Meet	Groups
12:30 - 2:00	Group Picture and Lunch at the Athenaeum	
2:00 - 2:45	Report outs from breakout groups (15 mins each)	Groups
2:45 - 3:15	Lightning Talks (2) or Special Talk Topic (20 min + Q&A)	TBD by participants
3:15 - 3:30	Selection of Breakout Groups and Topics	All
3:30 - 4:00	Break	
4:00 - 5:30	Breakout Groups Meet	Groups
5:30 - 7:30	POSTER SESSION and Informal food truck dinner at the Keck Center (dinner starts at 6:30 pm)	

**Wednesday, October 3, 2018 - Keck Center - Think Tank, Room 155**

<b>Time</b>	<b>Event</b>	<b>Speaker</b>
8:00 - 8:30	Institute Opens - FREE THINK TIME	
8:30 - 9:00	Coffee and Refreshments at Keck Center	
9:00 - 9:15	Logistics and Team Lead Goals for the Day	Michele Judd and Team Leads
9:15 - 9:45	Report Outs from Breakout Groups (10 mins each)	Groups
9:45 - 10:30	Water and Life: Observing Aquatic Biodiversity	Erin Hestir
10:30 - 11:00	Break	
11:00 - 11:45	Lightning talks (3)	TBD by participants
11:45 - 12:30	Plenary Discussion, Selection of Breakout Groups and Topics	All
12:30 - 2:00	Lunch at the Athenaeum	
2:00 - 3:30	Breakout Groups Meet	All
3:30 - 4:00	Break	
4:00 - 4:45	Report outs from breakout groups (15 mins each)	Groups
4:45 - 5:30	Plenary Discussion on Participant Wants and Needs Selection of Next Day's Breakout Groups	All
5:30	Workshop Day #3 Ends	All
6:00	OPTIONAL: No-Host Dinner in Pasadena (KISS pays for grad students and postdocs)	

**Thursday, October 4, 2018 - Keck Center - Think Tank, Room 155**

<b>Time</b>	<b>Event</b>	<b>Speaker</b>
8:00 - 8:30	Institute Opens - FREE THINK TIME	
8:30 - 9:00	Coffee and Refreshments at Keck Center	
9:00 - 9:15	Logistics and Team Lead Goals for the Day	Michele Judd and Team Leads
9:15 - 10:00	Issues of Scale in Biodiversity Science	John Gamon
10:00 - 10:30	Lightning talks (2)	TBD by participants
10:30 - 11:00	Break	
11:00 - 12:00	Breakout Groups Meet	All
12:00 - 12:30	Report outs from breakout groups (10 mins each)	
12:30 - 3:30	KISS Snacks on bus / Lunch on your own VISIT TO HUNTINGTON GARDENS	Lunch on your own FREE TIME
3:30 - 4:00	Break	
4:00 - 4:30	Plenary Discussion	
4:00 - 5:30	FREE THINK TIME (individual, or self organizing small groups)	Groups
5:30	Workshop Day #4 Ends	All
6:00	Dinner at the Athenaeum (with spouses and significant others)	

**Friday October 5, 2018 - Keck Center - Think Tank, Room 155**

<b>Time</b>	<b>Event</b>	<b>Speaker</b>
8:00 - 8:30	Institute Opens - FREE THINK TIME	
8:30 - 9:00	Coffee and Refreshments at Keck Center	
9:00 - 9:15	Logistics and Team Lead Goals for the Day	Michele Judd and Team Leads
9:15 - 10:00	Breakout Groups Report Out	All
10:00 - 10:30	Open Discussion of Breakout Group Recommendations and Group Feedback	All
10:30 - 11:00	Break	
11:00 - 12:30	Open Discussion of Breakout Group Recommendations and Group Feedback (continued)	All
12:30 - 1:30	Lunch at the Institute	
1:30 - 3:30	Possible Break Outs to determine next steps during study session before workshop #2?	All
3:30 - 4:00	Break	
4:00 - 4:45	Final Study Activities and Assignments - Group Discussion	All
4:45 - 5:00	Workshop Closeout	Michele Judd
5:00	Workshop Concludes	