
Day One: Wednesday, June 1 (Building 33, Room H114)

8:00am	Registration starts/Coffee/Posters	
8:50am-9:00am	Meeting Welcome	(Betsy Middleton, GSFC)
Session I: Missions (Betsy Middleton/GSFC, Chair)		
9:00am-9:20am	HyspIRI Mission Update Overview	(Woody Turner, HQ)
9:20am-9:40am	Decadal Survey Status & HyspIRI White Paper	(Rob Green, JPL)
9:40am-10:00am	Linkages between HyspIRI Science & International EO Programs	(Miguel Roman, GSFC)
10:00am-10:20am	Coffee Break	
Session II: Terrestrial Ecosystem Priorities (Woody Turner/HQ, Chair)		
0:20am-11:00am	KEYNOTE: The Case for a Global Biodiversity Observatory	(Susan Ustin, UC Davis)
1:00am-11:20am	Survey of science benefits w/spectroscopy	(Rob Green, JPL)
1:20am-11:35am	The future of spectroscopy in Europe	(Andreas Mueller, DLR, Betsy Middleton, GSFC)
1:35am-11:50am	The Fluorescence Explorer (FLEX) Space Mission	(Neus Sabater, U. Valencia)
1:50pm-12:10pm	Discussion: Steps toward achieving the next NASA Spectrometer in Space?	(Woody Turner et al.)
12:10pm-12:20pm	Group Picture	
12:20pm-1:15pm	Lunch /Posters	
Session III: Cal/Val Activities (Chris Neigh, Chair)		
1:15pm-1:30pm	Update on SLI, Landsat & Sentinel- 2	(Bruce Cook, GSFC)
1:30pm-1:45pm	EO-1 Hyperion MS Band Synthesis	(Guoqing Sun, ESSIC)
1:45pm-2:00pm	EOM Cal/Val Studies: Psuedo-Invariant Calibration Sites	(Chris Neigh, GSFC)
2:00pm-2:20pm	The Atmospheric Spectroscopy Spectrum-Matching Technique	(Bo-Cai Gao, NRL)
2:20pm-2:35pm	FUSION: a GSFC Prototype for Field Spectroscopy Cal/Val	(Fred Huemrich, UMBC)
2:35pm-2:45pm	Coffee Break [10 min, Phil Townsend (U. WI) WebEx Tutorial: EcoSys Spectral Library]	
Session IV: HyspIRI Science Preparatory Activities: Applications (Jeff Luvall, MSFC)		
2:45pm-3:00pm	Perspectives for the NASA Application Program	(Lawrence Friedl, HQ)
3:00pm-3:20pm	The HyspIRI Applications Program	(Jeff Luvall, MSFC)
3:20pm-3:35pm	Sensor Networks, EO-1 Disaster Support	(Stu Frye, SGT)
Session V: HyspIRI Science Preparatory Activities: New Technologies & Products (Dan Mandl/GSFC, Chair)		
3:35pm-3:40pm	Hyperspectral Cubesat Constellation (HCC)	(Dan Mandl, GSFC)
3:40pm-3:55pm	Spectral UAS for Ecosystem Monitoring	(Petya Campbell, UMBC)
3:55pm-4:10pm	Atmospheric Correction with the Bayesian Empirical Line	(David Thompson, JPL)
4:10pm-4:30pm	Developments for Onboard Low Latency Products, Co-registration, & AC/Sunglint	(Pat Cappelaere, Vightel)
4:30pm-4:50pm	EOM Impacts of Changing Illumination on Hyperion & ALI collections	(Shannon Franks, SGT)
4:50pm-5:10pm	Mapping Antarctic Vegetation Stress Indicators with Hyperspectral UAS	(Zbynek Malenovsky, GSFC)
5:10pm	Happy Hour & 7+ Flash Talks (2-3 min each)	
6:15pm	Adjourn, Day One	
6:40pm	Holiday Inn Shuttle pick-up from GSFC Visitor Center Parking Lot	

8:00am	Registration	
	<u>Session VI: HypsIRI Preparatory Activities: Airborne Campaigns (Simon Hook, Chair)</u>	
8:30am-8:45am	Perspectives on the HypsIRI Airborne Campaigns	(Jack Kaye, HQ)
8:45am-9:00am	HypsIRI Airborne Campaigns - Overview	(Rob Green, JPL)
9:00am-9:15am	Mineral Maps Covering the Salton Sea Areas of S. California	(Lyle Mars, USGS)
9:15am-9:30am	Ground Measurement Support for Airborne Campaigns	(Susan Ustin, UC Davis)
9:30am-9:45am	Monitoring water quality & soils at Leviathan Mine	(Wendy Calvin, U. Nevada)
9:45am-10:00am	Spectral-structural interactions at fine-scales	(Jan van Aardt, Rochester Inst.)
0:00am-10:15am	Surface radiation & energy budget from AVIRIS and MASTER	(Dongdong Wang, UMD)
0:15am-10:30am	Volcanoes in Hawaii	(Vince Realmuto & Simon Hook, JPL)
0:30am-10:45am	Linking Ecosystem Models with Imaging Spectrometry Measurements	(Paul Moorcroft, Harvard U.)
10:45am-11:05am	Coffee Break	
	<u>Session VII: Addressing International Space Station Assets & Issues (Steve Ungar/USRA, Chair)</u>	
1:05am-11:20am	GEDI	(Bryan Blair, GSFC)
1:20am-11:35am	HICO Time Series for GPP	(Fred Huemmrich, UMBC)
1:35am-11:55am	EO-1's Changing Precession Provides Relevance to ISS & Other EOS	(Steve Ungar, USRA)
1:55am-12:10pm	DESIS Spectrometer on ISS	(Ray Perkins, Teledyne Brown)
2:10pm-12:25pm	Update on ECOSTRESS	(Simon Hook, JPL)
2:25pm-12:40pm	Discussion: Synergies among Orbital Assets	(Simon Hook, JPL)
12:40pm-1:30pm	Lunch /Posters	
	<u>Session VIII: HypsIRI Science Preparatory Activities: Carbon & Water Science (Petya Campbell/UMBC, Chair)</u>	
1:30pm-1:50pm	ET High Res Applications in Agriculture	(Martha Anderson, USDA-ARS)
1:50pm-2:05pm	Hyperion Detection & Characterization of the CA Methane Event	(David Thompson, JPL)
2:05pm-2:20pm	Detection of Methane and Other Trace Gases with HyTES	(Glynn Hulley, JPL)
2:20pm-2:35pm	Improving GPP Estimation in CLM using the MODIS fAPARchl Product	(Tian Yao, USRA)
2:35pm-2:55pm	Uncertainties in Various Estimates of fAPAR for Photosynthesis (fAPAR_PSN)	(Qingyuan Zhang, USRA)
2:55pm-3:10pm	EO-1 Spectral Time Series for GPP	(Petya Campbell, UMBC)
3:10pm-3:30pm	Coffee Break	
	<u>Session IX: HypsIRI Science Preparatory Activities: Various (Fred Huemmrich, Chair)</u>	
3:30pm-3:50pm	Cross-calibration of MODIS and Landsat using EO-1 Hyperion	(Amit Angal, SSAI)
3:50pm-4:05pm	Cryosphere Study in Michigan	(Chris Crawford, GSFC)
4:05pm-4:20pm	Urban Applications	(Dale Quattrochi & Jeff Luvall, MSFC)
4:20pm-4:35pm	Improving Forest Modeling with Spectrally Derived Traits	(Amanda Armstrong, USRA)
4:35pm-4:50pm	REMOTE: Novel Algorithm for Microcystis Observations in Lake Erie	(Joe Ortiz, Kent State)
4:50pm-5:10pm	Symposium Wrap-Up Discussion	
5:10pm	Adjourn, Day Two	
5:30pm	Holiday Inn Shuttle pick-up from GSFC Visitor Center Parking Lot	
6:00pm-8:00pm	Social Hour & Dinner at Sir Walter Raleigh (6323 Greenbelt Rd, Greenbelt, MD)	

