

Starshade Science Industry Partnership Forum #2, Feb 6-7, 2020

Webex: <https://jpl.webex.com>
Call in: 844-575-9329
Meeting ID for Day 1: 908 968 728
 Meeting Location: Hotel Boulderado Boulder, CO

Agenda Item - Day 1 Feb 6	Presenter	Start	Duration	End
Introduction and overview	Gary Blackwood	8:00	0:10	8:10
Welcome from the TSWG chair	Simone D'Amico	8:10	0:10	8:20
Session 1: S5 Updates Chair: Phil Willems				
S5 programmatic and technical status and assessment of TSWG recommendations	Phil Willems	8:20	0:30	8:50
Report on TSWG recommendation: Vector diffraction and milestone #2	Stuart Shaklan	8:50	0:30	9:20
Report on TSWG recommendation: Edge scatter, milestone #3, and beyond	Stuart Shaklan	9:20	0:30	9:50
Break		9:50	0:30	10:20
Report on TSWG recommendation: Reflected bright body	Doug Lisman	10:20	0:20	10:40
Stray light analysis: sunlight scattering off out-of-plane petal deformations	Glenn Sellar	10:40	0:20	11:00
Report on mechanical milestones	Manan Arya	11:00	0:30	11:30
Discussion 1		11:30	0:30	12:00
Lunch		12:00	1:30	13:30
Session 2: Industry Partners Updates Chair: Kendra Short				
ATA	Laura Hoffman	13:30	0:30	14:00
Opterus	Patrick Rodriguez, Thomas Murphy	14:00	0:30	14:30
Zecoat	David Sheikh	14:30	0:30	15:00
Break		15:00	0:30	15:30
Session 3: Student and Postdoc Presentations Chair: Jon Arenberg				
Exoplanetary characterization through reflection spectroscopy	Mario Damiano (JPL)	15:30	0:25	15:55
The search for another Earth using space telescopes with starshades: realistic image simulation and signal detection	Mengya Hu (Princeton)	15:55	0:25	16:20
Enabling starshade missions in Earth orbit through optimal formation design	Adam Koenig (Stanford)	16:20	0:25	16:45
Fuel cost heuristics for starshade slews and station-keeping in exoplanet imaging mission simulations	Gabriel Soto (Cornell)	16:45	0:25	17:10
Discussion 2		17:10	0:20	17:30
TSWG Meet and Discuss		17:30	0:30	18:00
	End	18:00		

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909 916 901

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Boulder, CO

Agenda Item - Day 2 Feb 7

	<u>Presenter</u>	<u>Start</u>	<u>Duration</u>	<u>End</u>
What we have learned from Day 1 and the objectives for Day 2	Renyu Hu	8:00	0:10	8:10
Session 4: Technology and Science Working Group Chair: Simone D'Amico				
Formation flying with Princeton Testbed	Anthony Harness	8:10	0:20	8:30
SISTER Imaging Simulation Tool	Stuart Shaklan	8:30	0:20	8:50
Data Challenges	Maggie Turnbull, Simone D'Amico, Anthony Harness	8:50	1:00	9:50
Break		9:50	0:20	10:10
Planet characterization and discoveries by GAIA and the impact on starshade missions	Tim Brandt (remote)	10:10	0:20	10:30
Progress and Challenges of Earth-Orbiting Starshade	John Mather	10:10	0:20	10:30
What Science Can Do To Improve the Design of a Flagship Exo-Planet Mission: NG Perspective	Jon Arenberg	10:30	0:20	10:50
JATIS Special Issue	Jon Arenberg	10:50	0:10	11:00
Discussion 3		11:00	0:20	11:20
Summary and Next Steps	Gary Blackwood	11:20	0:10	11:30
Lunch and a short drive		11:30	1:30	13:00
Session 5: Starshade Testing Facility at Tendeg Chair: David Webb				
Starshade Testing Facility at Tendeg	Mark Thomson	13:00	1:30	14:30
	End	14:30		