

# **New Horizons Open Science Team Meeting #55 (Agenda v5)**

24-25 January 2024, APL and Virtual

All listed times are Eastern Standard Time (UTC-5h)

Johns Hopkins APL  
Parsons Auditorium  
Building 1



## Wednesday, 24 January– Open for all Registered Participants

Room: Parsons Auditorium

Zoom Link: <https://jhuapl.zoomgov.com/j/1614672482?pwd=KONWcElwZGc4VzBTVEpOV0gzNDFFdz09&from=addon>

<b>08:00</b>	<b>Coffee, Tea, Snacks</b>	
<b>08:30</b>	Welcome to Open Meeting	Pontus Brandt
<b>08:35</b>	New Horizons Science Mission Overview	K. Singer/A. Stern
<b>Workshop 1: Alice Search for Interstellar Clouds and Hydrogen Wall</b>		<b>Chair: Andrew Poppe</b>
<b>08:55</b>	Alice All-Skymap	Randy Gladstone
<b>09:15</b>	Interplanetary Hydrogen Backscatter Model	Wayne Pryor
<b>09:35</b>	Hydrogen Wall Modeling	Igor Baliukin
<b>09:55</b>	Interstellar Cloud Modeling	Seth Redfield/Rewa Bush
<b>10:15</b>	<b>Break and Team Photo (Wear your Team Shirt! All Welcome.)</b>	<b>All</b>
<b>Workshop 2: Extended Kuiper Belt</b>		<b>Chair: Jason Hofgartner</b>
<b>10:45</b>	Subaru KBO Search Status	JJ Kavelaars
<b>11:05</b>	SDC Findings and Interpretations	Alex Doner
<b>11:25</b>	Interplanetary Dust Modeling	Andrew Poppe
<b>11:45</b>	CME-Dust Interactions in the Inner Heliosphere	Guillermo Stenborg
<b>12:05</b>	<b>Lunch (on your own)</b>	<b>All</b>
<b>Workshop 3: The World of the Kuiper Belt</b>		<b>Chair: Bill McKinnon</b>
<b>13:25</b>	The Far-Reaching Implications of DKBO Observations	Anne Verbiscer/Simon Porter
<b>13:55</b>	Dinkinesh Binary Satellite	Hal Levison
<b>14:25</b>	Space Weathering of Extreme KBOs throughout the Solar System	John Cooper
<b>15:05</b>	<b>Break</b>	<b>All</b>
<b>Workshop 4: Termination Shock Challenge</b>		<b>Chair: Parisa Mostafavi</b>
<b>15:20</b>	Voyager Crossings	John Richardson
<b>15:40</b>	Modeling Review of Voyager Crossings	Marc Kornbleuth
<b>16:00</b>	SWAP Polytropic Index	Heather Elliott
<b>16:20</b>	PEPSSI Upstream Indicators	Matt Hill
<b>16:40</b>	Discussion/Challenge Kick-Off	All
<b>17:00</b>	<b>Break</b>	<b>All</b>
<b>New Results</b>		<b>Chair: Romina Nikoukar</b>
<b>17:15</b>	First High-Resolution Shock Observations by PEPSSI	Matt Hill
<b>17:35</b>	Preliminary PEPSSI Anomalous Cosmic Ray Detections	Romina Nikoukar
<b>17:55</b>	<b>Adjourn</b>	<b>Pontus Brandt</b>

## Thursday, 25 January Morning – Open to All Registered Participants

Room: Parsons Auditorium

Zoom Link: <https://jhuapl.zoomgov.com/j/1613542345?pwd=QUtTVVFtSWdsdDBUTWVYKzhGTWRkdz09&from=addon>

<b>08:30</b>	<b>Coffee, Tea, Snacks</b>	
<b>08:55</b>	<b>Convene, Announcements</b>	<b>Pontus Brandt</b>
<b>Astrophysics: Cosmic Background</b>		<b>Chair: Tod Lauer</b>
<b>09:00</b>	The SphereX Mission	Casey Lisse/TBC
<b>Workshop 3: The World of the Kuiper Belt. Continued...</b>		<b>Chair: Bill McKinnon</b>
<b>09:30</b>	Space Weathering of Mercury, Asteroids and the Moon	Deborah Domingue
<b>10:00</b>	Break	
<b>Pluto System New Results</b>		<b>Chair: Jason Hofgartner (TBC)</b>
<b>10:30</b>	The Role of Subsurface Ocean Freezing in the Stress State of Pluto's Shell	Alex Nguyen
<b>10:50</b>	Putative Cold Seep Systems on Pluto: Investigating Geological Sources of Methane	Roodra Manogaran
<b>11:10</b>	The Many Ages of Triton	Bill McKinnon
<b>11:30</b>	JWST Observations of Pluto and Charon	Tanguy Bertrand
<b>11:50</b>	Closing Remarks	Pontus Brandt/Alan Stern
<b>12:00</b>	<b>Adjourn Open Meeting (Lunch on your own)</b>	