NASA Frontier Development Lab - Tech Memo Peer Review

AGENDA

WHEN: Wednesday 20th and Thursday 21st February 2019
WHERE: Via Video Con https://zoom.us/j/5677381113
CHAIR: Mike Seablom, NASA SMD Chief Technologist
GOAL: Independent peer review of the 7 FDL Tech Memorandums

Wednesday 20th February 2019
Helio and Lunar Sessions

Timezone			AGENDA
PT	ET	GMT	**Introductions and goals (10 mins)**
8:00	11:00	16:00	Dr Lika Guhathakurta (NASA HQ) and James Parr, Director Frontier Development Lab (FDL) will provide background context to this peer review session and a briefing on the flow. Introductions: reviewers will briefly introduce themselves, their affiliation and whether they are leading on reviewing a particular subject. Introduction to Chair, Mike Seablom.
			HELIO
			Space Weather Prediction - Led by Dr Lika Guhathakurta (NASA HQ)
08:10 - 08:50	11:10 - 11:50	16:10 - 16:50	**Tech Memo 6: Space Weather: GPS SCINTILLATION (40 mins)** Format: Dr Lika Guhathakurta (NASA HQ) nominated reviewer will lead this first session by providing a 10 minute overview of the work, showing key comments on the document. Nominated reviewer / FDL team will provide a synthesis of mail feedback. (10 mins) The Peer review panel will provide feedback (in turn) (10 mins) Chair will assess the three most salient comments. (5 mins) Application of results discussion with Chair (5 mins)
08:50 - 09:30	11:50 - 12:30	16:50 - 17:30	**Tech Memo 7: Space Weather: SDO UV MEASUREMENT (40 mins)** Format: As above
			LUNAR RESOURCES
			Lunar Autonomy led Dr Dan Rasky (NASA AMES)
09:30 - 10:10	12:30 - 13:10	17:30 - 18:10	**Tech Memo 4: Lunar Resources: LOCALIZATION (40 mins)** Format: As above
10:10 - 10:50	13:20 - 13:50	18:20 - 18:50	**Tech Memo 5: Lunar Resources: CO-OPERATIVE ROBOTS (40 mins)** Format: As above
			SUMMARY AND WRAP
10:50 - 11:00	13:50 - 14:00	18:50 - 19:00	**Summary of Day 1 and outline of Day 2 by FDL** Final comments and thanks from Chair Mike Seablom

Thursday 21st February 2019
Exoplanets and Astrobiology Sessions

Timezone			AGENDA
PT	ET	GMT	**Introductions and goals (10 mins)**
8:00	11:00	16:00	Dr Lika Guhathakurta (NASA HQ) and James Parr, Director Frontier Development Lab (FDL) will provide background context to this peer review session and a briefing on the flow. Introductions: reviewers will briefly introduce themselves, their affiliation and whether they are leading on reviewing a particular subject. Introduction to Chair, Mike Seablom.
			EXOPLANETS and ASTROBIOLOGY
			Exoplanets and Astrobiology - Led by SETI
08:10 - 08:50	11:10 - 11:50	16:10 - 16:50	**Tech Memo 1: Exoplanets (40 mins)** Format: Dr Lika Guhathakurta (NASA HQ) nominated reviewer will lead this first session by providing a 10 minute overview of the work, showing key comments on the document. Nominated reviewer / FDL team will provide a synthesis of mail feedback. (10 mins) The Peer review panel will provide feedback (in turn) (10 mins) Chair will assess the three most salient comments. (5 mins) Application of results discussion with Chair (5 mins)
08:50 - 09:30	11:50 - 12:30	16:50 - 17:30	**Tech Memo 2: Astrobiology: INARA (40 mins)**
09:30 - 10:10	12:30 - 13:10	17:30 - 18:10	**Tech Memo 3: Astrobiology: BIOHINTS (40 mins)** Format: As above
			Break (5 mins)
			OVERVIEW (45 mins)
10:15 - 11:00	13:15 - 14:00	18:15 - 19:00	Broad discussion hosted by Mike Seablom on the efficacy of this year's FDL output. The key elements for each project will be assessed in terms of: (a) their utility in contributing to NASA's scientific and exploration goals (b) The relative strengths and weaknesses of each project in context of the full portfolio (c) Assessment of key results (d) Opportunities going forward (e) Reflections and key learnings. Wrap and Thanks from FDL and Mike Seablom