

CAPTEM

Curation and Analysis Planning Team for Extraterrestrial Materials

Kevin D. McKeegan

Dept. of Earth, Planetary, and Space Sciences

UCLA

*Planetary Science Advisory Committee meeting
Dec. 6, 2019*



CAPTEM 2020

- Chair: Kevin McKeegan (UCLA), Vice-chair: Hope Ishii (UH)
- Secretary: Liz Rampe (JSC) *Chair-elect (2021): Barbara Cohen (GSFC)

Sub-committee chairs

- Lunar: Juliane Gross (Rutgers U)
- Genesis: Larry Nittler (CIW)
- Stardust: Rhonda Stroud (NRL)
- Asteroids: Munir Humayun (FSU)
- Cosmic Dust: Hope Ishii (UH)
- Informatics: Sam Lawrence (JSC)
- Meteorite Working Group: Noriko Kita (U Wisconsin)
- Mars: Justin Filiberto (LPI), Caroline Smith (Nat Hist Mus, London)

at-large members

- Jessica Barnes (UA), Jemma Davidson (ASU), Lydia Hallis* (U Glasgow)

coordinators

- Facilities: Kevin McKeegan (UCLA)
- Space Exposed Hardware: Jeff Taylor (UH) * new member

recent CAPTEM activities

- Held virtual meeting Nov 15: next year will move to face-face in both Spring (LPSC) and Fall (TBD)
 - reflects increasing activities in sample-return missions
- Increasing international participation
 - Mars returned sample subcommittee co-chaired by American, European scientists
 - JAXA representative (H. Yurimoto) formally invited to spring meeting
- Artemis: Lunar subcommittee will work with Julie Mitchell on curatorial requirements, contamination control requirements (by Feb. 2020)
- Mars: identify subcommittee members and make recommendation to Mars Sample Curator (A. Harrington) and J. Grossman on how to curate CK samples
- Asteroids: awaiting response to review of OSIRIS-Rex curation plan
- Ad hoc committees forming for CAPTEM WP contributions toward Decadal
 - hold community forum at LPSC
- Justin Filiberto to work across AG's on diversity & inclusion

ongoing CAPTEM issues for PAC

Extraterrestrial Materials Curation

- CAPTEM will continue to anticipate working with NASA HQ on developing an investment strategy for needed future analytical capabilities and facilities.
- New NASA policies on curation of Astromaterials?

Mars: curation facility preparation

Questions/potential issues for MSR:

- JSC/Astromaterials planning and CAPTEM support.
 - needs defined? resources, budget appropriate?
- Interfaces of CAPTEM with mission(s) and with ESA curation and allocation plans need to be defined and developed.

Informatics

- a community survey on data formats and practices was put on hold because PSD asked ARES to define requirements for a notional Astromaterials submission-based data repository for NASA-funded research.
- PI's supported for data archiving?