

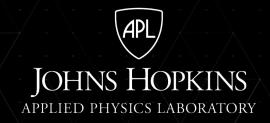
# LSIC ISRU Focus Group Monthly

http://lsic.jhuapl.edu/ http://lsic-wiki.jhuapl.edu/ (sign-up required)

#### **February 17, 2021**

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## Agenda

- General updates 10 min
  - "Who's Who in ISRU".
  - Setting Year 1 goals. Penultimate version and topic for discussion at next meeting. How this goal can enable you. ! <a href="https://lsic-wiki.jhuapl.edu/display/ISRU/ISRU/YEAR+1+Goals">https://lsic-wiki.jhuapl.edu/display/ISRU/ISRU/YEAR+1+Goals</a>
  - Quick review of highlights from other recent FG meetings in future meetings
  - March ISRU FG meeting needs to be moved because it interferes with LPSC. Does March 24 work?
  - Meeting notes:
  - Upcoming meetings and deadlines:
    - LSIC Semi-annual meeting. 2-day. Virtual. End of April, or early May.
    - Space Resources Week. Apr 19-22. Virtual and on Site. Luxembourg. No registration fee. Abstracts due sometime on 21Feb
- Technology Showcase 25 min. <a href="https://lsic-wiki.jhuapl.edu/pages/viewpage.action?pageId=6260347">https://lsic-wiki.jhuapl.edu/pages/viewpage.action?pageId=6260347</a>
  - Voyager Space Holdings. Ty Baumbaugh. Executive Vice President, Operations. Global Head of Portfolio Ops & Integration
- Topical ISRU Discussions 25 min. <a href="https://lsic-wiki.jhuapl.edu/pages/viewpage.action?pageId=6260347">https://lsic-wiki.jhuapl.edu/pages/viewpage.action?pageId=6260347</a>
  - HST Serving Missions, lessons learned for sustained ISRU operations Dr. Jill Mcguire. Head of the Exploration and In-Space Services Division, GSFC



#### Who's who in ISRU

Designed to connect ISRU FG members.

Advertise both your capabilities and needs.

23 entries so far.

https://lsic-wiki.jhuapl.edu/display/ISRU/Who%27s+Who+in+ISRU

References and Resources Page: <a href="https://lsic-wiki.jhuapl.edu/pages/viewpage.action?pageId=6258941">https://lsic-wiki.jhuapl.edu/pages/viewpage.action?pageId=6258941</a>

Check out new entries including papers – links to pubs on availability of solar power soon to come.



## First Annual Goal for the ISRU Focus Group

https://lsic-wiki.jhuapl.edu/display/ISRU/ISRU+YEAR+1+Goals
Go to the ISRU homepage, under ISRU Conversations

• ISRU FG Year 1 Goal. - will discuss this at next month FG. How does achieving this goal enable you?

There is a need for several 10s to a few100s of metric tons of O2 per year for propellent use by the 2030 timeframe (S&D workshop, 2020). The first annual goal of the ISRU focus group is to **provide specific input to NASA** with respect to **technology needs** for **systems-level end to end ISRU processes** based upon prioritized needs identified by the ISRU FG thematic groups.

We may use Challenge Theme Areas to help focus our thoughts on which technology needs to consider Check out the Confluence page and please contribute your thoughts.

We will discuss at the next FG meeting in March

Proposed date for March FG meeting: March 24 (delay by a week).



# Technology Showcase Voyager Space Holdings. Ty Baumbaugh. Executive Vice President, Operations. Global Head of Portfolio Ops & Integration

A presentation followed by discussion

https://lsic-wiki.jhuapl.edu

Find link on left "Voyager Space Holdings"



# Topical ISRU Discussions HST Serving Missions, lessons learned for sustained ISRU operations – Dr. Jill Mcguire. Head of the Exploration and InSpace Services Division, GSFC

Confluence:

https://lsic-wiki.jhuapl.edu

Find link: In-Space Servicing....

