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More New Information Now Available

USC ASTE 523, Spring 2023

Design of Low-Cost Space Missions

A Near-Term, Income-Generating, Lunar Settlement

Supplement 3

Living on the Moon in the next decade

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Topics

- Fly Me to the Moon
- National Cislunar Science and Technology Strategy
- Space Architecture Gathering
- Space Tourism Conference
- Artemis Space Suit -- $3.5 Billion

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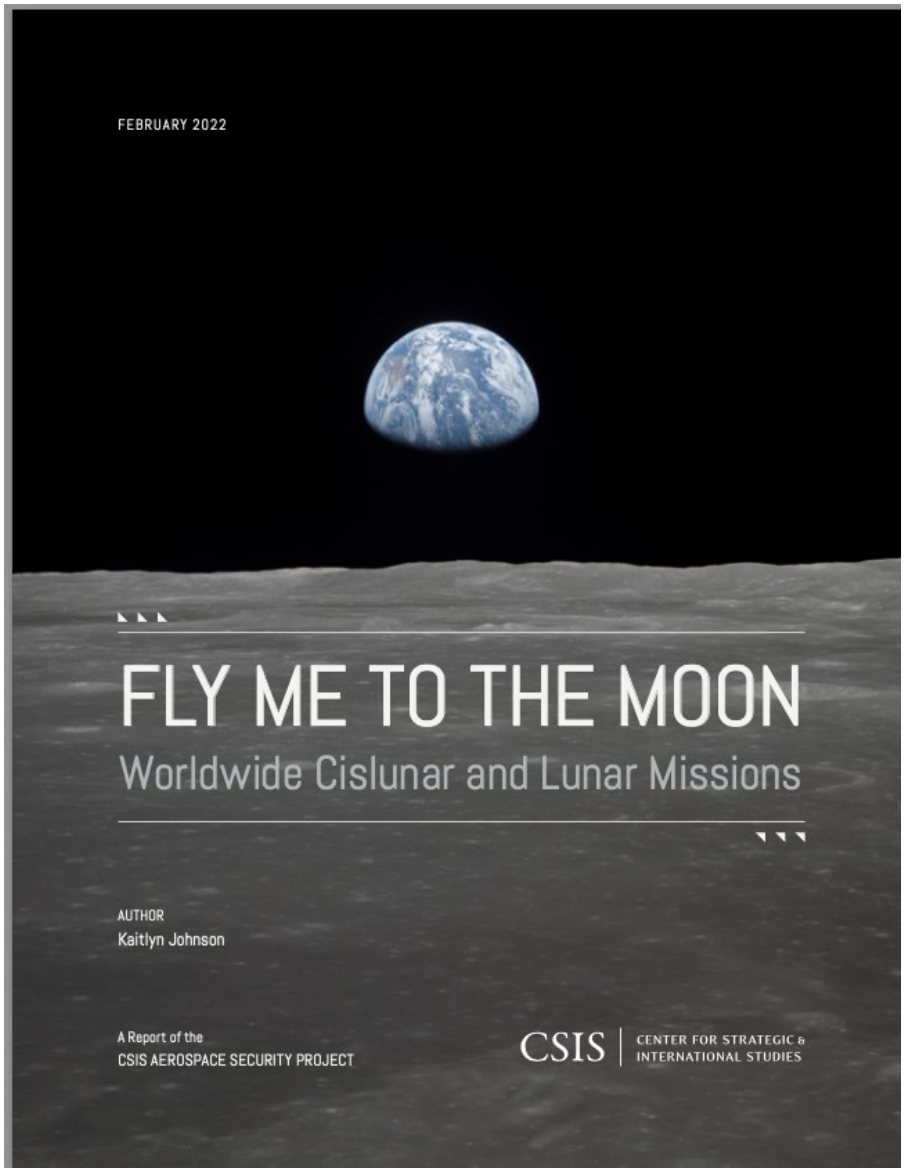
Fly Me to the Moon

Global Lunar and Cislunar Missions

Fly me to the Moon is a 45-page summary with an extensive bibliography of worldwide lunar and cislunar missions sorted by global region and then by country. It is a short, well-written summary of the entire set of global cislunar missions.

Published in February, 2022, this 45-page report has been distributed to all class participants.



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National Cislunar Science and Technology Strategy

Strategy Objectives

This 13-page document is from the Cislunar Technology Strategy Interagency Working Group of the National Science and Technology Council. It defines and discusses the 4 objectives of this strategy:

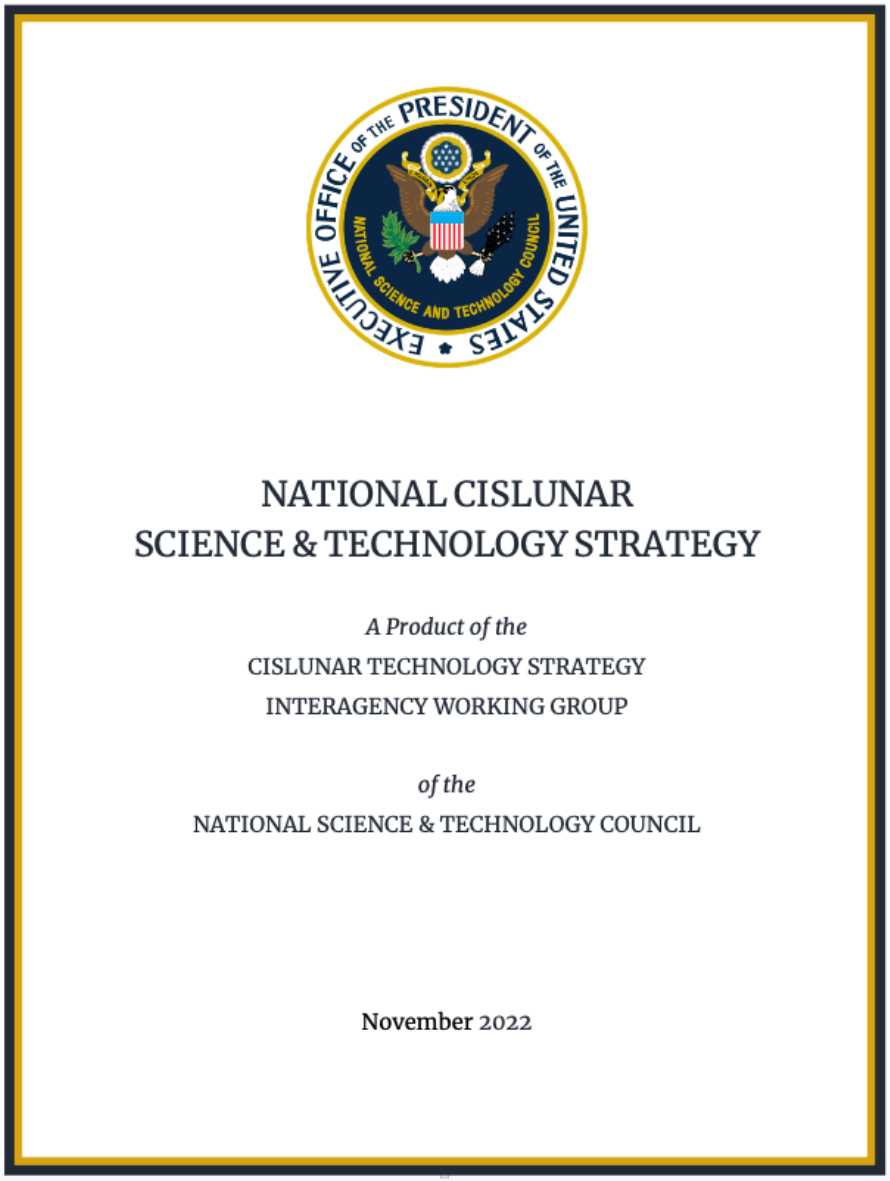
Objective 1: Support R&D to enable long-term growth in Cislunar space

Objective 2: Expand international S&T cooperation in Cislunar space

Objective 3: Extend U.S. space situational awareness capabilities into Cislunar space

Objective 4: Implement Cislunar communications and positioning, navigation, and timing capabilities with scalable and interoperable approaches

Published in November, 2022, this 13-page document has also been distributed to all class participants.



NATIONAL CISLUNAR
SCIENCE & TECHNOLOGY STRATEGY

A Product of the
CISLUNAR TECHNOLOGY STRATEGY
INTERAGENCY WORKING GROUP

of the
NATIONAL SCIENCE & TECHNOLOGY COUNCIL

November 2022

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Space Architecture Gathering

Appears to be free, timely topics, and available on the web.

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Space Architecture Gathering Panelists and Topics

1. Melodie Yashar - **Anticipating Lunar Surface Construction & Infrastructure**
2. Brand Griffin - **Rules of Thumb for Space Habitat Design**
3. Sandra Haeuplik-Meusburger
4. Alma Kugic - **X-plor - lunar exploration and habitation rover**
5. Paolo Caratelli - **Lunar Oasis – An Educational Collaboration Experience / Paolo Caratelli and Sandra Haeuplik-Meusburger**
6. Barbara Imhof - **Designing for Earth by living in Space**
7. Olga Bannova - **Reality check: How Space Architecture responds to Industry needs**
8. Sam Ximenes - **Leto Mission for Lunar Settlement at the Marius Hills Lava Tube**
9. Vittorio Netti - **XR Testing framework for Human-System Interaction design Validation**
10. Marc Cohen - **Innovation and Tradition in Space Architecture**
11. Madhu Tangavelu

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Space Tourism Conference in LA, April 28, 2023, in LA, appears to cost $300 to attend, industry report is free

Building the Space Experience Economy

STC SESSIONS

FUNDING TRENDS in SPACE TOURISM

BUILDING PLACES IN SPACE:
CREATING ROBUST HABITATS

PRACTICAL LUXURY:
DESIGN & DÉCOR FOR SPACE TOURISTS

FOOD & DRINK OFF WORLD:
GO-TO GRUB & GALACTIC GOURMET

CRUISING SPACE HIGHWAYS:
FERRIES, TUGS & TRANSPORT

SPACE LIFESTYLE BRANDS:
PRODUCTS, APPAREL & SHOPPING OFF WORLD

HEALTH, SAFETY &WELLNESS:
ADDRESSING CRITICAL UTILITIES

MONETIZING DIAMONDS & DUST:
SPACE MANUFACTURING & MINING

SPORTS & FUN:
PLAYFUL ACTIVITIES IN ZERO G

SPACE ROCKS! EARTH'S COSMOS-THEMED
EXPERIENCES BUILD OFF-WORLD DEMAND

GREENING THE GALAXY:
SMART SUSTAINABILITY STRATEGIES

PRODUCING ENTERTAINMENT OFF-WORLD:
CREATIVE PROCESSES FOR INSPIRING STORYTELLING

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Space Tourism Report

Space Tourism Industry Report

Now Available!

As the Space Tourism Industry rapidly expands and diversifies, it's difficult to track all the developments, advancements and findings throughout the year. Created by the Space Tourism Society (STS)--which was founded in 1996--the annual Space Tourism Industry Report provides a "Big Picture" summary of the state of the industry, chronicling the major events, newsworthy industry moves with some significant data points and stats. In addition, STIR provides insight into near-future strategies and plans revealed by the key players advancing the growth of space tourism.

Space Tourism Industry Report (STIR) summarizes a successful 2022 & looks ahead

Sign Up-- it's FREE !

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NASA just announced new Space Suit designed for the Artemis Cislunar Program

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