

Agenda subject to change, please check back for updates or changes.



Sciences
Engineering
Medicine

SPACE STUDIES BOARD
BOARD ON PHYSICS AND ASTRONOMY
AERONAUTICS AND SPACE ENGINEERING BOARD

Committee on Earth Science and Applications from Space Agenda

Hybrid Meeting

In Person at National Academy of Sciences Building, 2001 Constitution Avenue NW, Room 250 on 4.2 and 4.3 and the Board Room on 4.4

Washington, DC – MAP on last page

Online via Zoom and Livestream

TUESDAY, APRIL 1, 2025

PLENARY SESSION

Livestream Link: <https://vimeo.com/event/5008213>

[CLICK HERE TO JOIN](#)

7:30 AM Registration in the Great Hall

8:30 AM Welcome

Dr. Colleen Hartman

Director, Space Studies Board

8:40 AM Perspectives on Space Policy
(15-minute presentation)

Congressman Mike Haridopolos (FL-08)*

Chair, Space and Aeronautics Subcommittee
House Science, Space, and Technology Committee

8:55 AM Science and Innovation at Lockheed Martin Space
(25-minute presentation)

Dr. Tahllee Baynard

Vice President, Ignite, Lockheed Martin Space

9:20 AM Address from Acting NASA Administrator
(25-minute presentation)

Ms. Janet Petro

Acting Administrator, NASA

9:45 AM Update from NASA Science Mission Directorate (SMD)
(40-minute presentation and 20-minute discussion)

Dr. Mark Clampin

Acting Deputy Assoc. Administrator
NASA-SMD

10:45 AM Break (30 minutes)

11:15 AM Update from NASA Exploration Systems
Development Mission Directorate (ESDMD)
(40-minute presentation and 20-minute discussion)

Dr. Lori Glaze

Acting Assoc. Administrator, NASA-ESDMD

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Space Science Week — CESAS
April 1-4, 2025

12:15 PM	Working Lunch for Members, Speakers, and Invited Guests in the Great Hall	
1:30 PM	Update from NASA Space Communications and Navigation Program (SCaN) <i>(30-minute presentation and 15-minute discussion)</i>	Mr. Kevin Coggins Deputy Assoc. Administrator, NASA-SCaN
2:15 PM	Human-Centered Autonomous Resilient Space Habitats <i>(30-minute presentation and 15-minute discussion)</i>	Dr. Shirley Dyke Donald and Patricia Coates Professor of Innovation in Mechanical Engineering, Purdue University
3:00 PM	Observations of a Space Journalist: The Global Reach for the Moon and Mars <i>(20-minute presentation and 10-minute discussion)</i>	Mr. Leonard David Independent Space Journalist
3:30 PM	Break (30 minutes)	

International Partners Presentations

4:00 PM	European Space Agency (ESA) Science Highlights <i>(20-minute presentation and 10-minute discussion)</i>	Dr. Carole Mundell* Director of Science, ESA
4:30 PM	Committee on Space Research (COSPAR) Update <i>(20-minute presentation and 10-minute discussion)</i>	Dr. Pascale Ehrenfreund President, COSPAR
5:00 PM	Update from National Space Science Center (NSSC) Chinese Academy of Sciences <i>(20-minute presentation and 10-minute discussion)</i>	Prof. Chi Wang Director General, NSSC
5:30 PM	Japanese Aerospace Exploration Agency (JAXA) Science Highlights <i>(20-minute presentation and 10-minute discussion)</i>	Dr. Masaki Fujimoto* Director General, Institute of Space and Astronautical Sciences (ISAS), JAXA
6:00 PM	Meeting Adjourns	

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Space Science Week — CESAS
April 1-4, 2025

WEDNESDAY, APRIL 2, 2025

Morning: CESAS Members are Welcome to **Attend Any of the Open Sessions of the Other [SSW Committees](#)**

12:00 PM Working Lunch for Members, Speakers, Registered Guests, and Staff (60 minutes)

CLOSED SESSION

1:30 PM **Closed Session for the Committee and Staff Only**
5:00 PM Meeting Adjourns until the 6:30 PM Keynote Public Lecture

Space Science Week Keynote Public Lecture

KEYNOTE PUBLIC LECTURE

Livestream Link: <https://vimeo.com/event/5008217>

[CLICK HERE TO JOIN](#)

**The Warped Side of Our Universe:
Exploring the Intersection of Art and Science**

A CONVERSATION WITH

Prof. Kip Thorne

Richard P. Feynman Professor of Theoretical Physics, Emeritus, California Institute of Technology

AND

Prof. Lia Halloran

Chair and Professor, Department of Art
Chapman University

MODERATED BY

Mr. Taras W. Matla

Director, University of Maryland Art Gallery



6:30 PM **Introduction**

Dr. Greg Symmes

Chief Operating Officer, National Academy of Sciences

6:35 PM **The Warped Side of Our Universe:
Exploring the Intersection of Art and Science**

Prof. Kip Thorne and Prof. Lia Halloran

7:45 PM **Q&A with Kip and Lia**

Moderator: Mr. Taras Matla

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Space Science Week — CESAS
April 1-4, 2025

Lecture Abstract

The evening will feature a conversation between Kip and Lia focusing on their project “The Warped Side of Our Universe: An Odyssey Through Black Holes, Wormholes, Time Travel, and Gravitational Waves”. This engaging dialogue will blend Kip's scientific insights with Lia's artistic interpretations, using poetry and paintings to make complex astrophysical concepts more accessible. Their work delves into profound questions about the universe's origins and the nature of time and space.

THURSDAY, APRIL 3, 2025

CLOSED SESSION

7:30 AM Registration in the Great Hall
9:00 AM **Closed Session for the Committee and Staff Only**
9:30 AM Meeting Adjourns to Open Session; Break (15 minutes)

OPEN SESSION

Remote Access

[CLICK HERE TO JOIN](#)

Conference Room 250

9:45 AM **Welcome and Agenda Review** (15 minutes) Anne Nolin and Bill Gail
Co-Chairs

10:00 AM **Update from NASA's Earth Science Division** Karen St. Germain, ESD Director

11:00 AM Break (15 minutes)

11:15 AM **Update from USGS, Sustained Land Imaging** Tim Newman, Program Coordinator
for the National Land Imaging Program (virtual)

12:00 PM Working Lunch for Members, Speakers, Registered Guests, and Staff (60 minutes)

1:00 PM **Sessions on Opportunities and Challenges for NASA and NOAA to Make Greater Use of
Satellite Data from Commercial Providers**

- NOAA's Commercial Data Program Update and Lessons Learned (30 minutes)
Natalie Laudier, NESDIS Commercial Data Program Manager
- NASA Commercial Satellite Data Acquisition (CSDA) Status and Lessons Learned
(30 minutes)
Melissa Martin, NASA CSDA Program Manager

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Space Science Week — CESAS
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2:00 PM	Provider and User Experience (70 minutes)
	<ul style="list-style-type: none">• Presentations from vendors, each representing one of the data types currently procured through the CSDA program for science research and applications (~10 mins each)• Maxar (DEMs), Joe Carroll• Planet, Jeff O'Neil• Spire, Kristopher Lindner• GHGSat, Johannes Loschnigg• Tomorrow io, Les Lartey• Umbra, Joe Morrison• Pixxel, Allyson Jenkins
3:10 PM	Break (20 minutes)
3:30 PM	Provider and User Experience Continued (60 minutes)
	<ul style="list-style-type: none">• Presentations from researchers on complementary commercial data use with data from the current government fleet of satellites highlighting the utility of commercial data. (60 minutes)• Bernd Scheuchl, University of California Irvine, Presentation on the Need of Daily Repeat InSAR Data in Antarctica and Greenland• Sergii Skakun, University of Maryland, Presentation on Crop Yield Monitoring at Field Scale with Satellite Data• Batu Osmanoglu, NASA/GSFC, Presentation on the Focus on Commercial Data Use in Science Research and Applications.• Ben Ruston, JCSDA, Presentation on Ocean Surface Winds (virtual)• Lidia Cucurull, NOAA, Presentation on the Model Impact of Commercial RO (virtual)
4:30 PM	Committee Discussion (60 minutes)
5:30 PM	Meeting Adjourns for the Day

FRIDAY, APRIL 4, 2025

CLOSED SESSION

7:30 AM	Registration in the Great Hall
9:00 AM	Closed Session for the Committee and Staff Only
10:00 AM	Meeting Adjourns to Open Session
1:30 PM	Meeting Adjourns

IMPORTANT NOTES

Members of the General Public:

- Remote access will be provided through a live stream on Vimeo. This will also be publicly available and posted on the Committee website. You do not need to register.

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Space Science Week — CESAS
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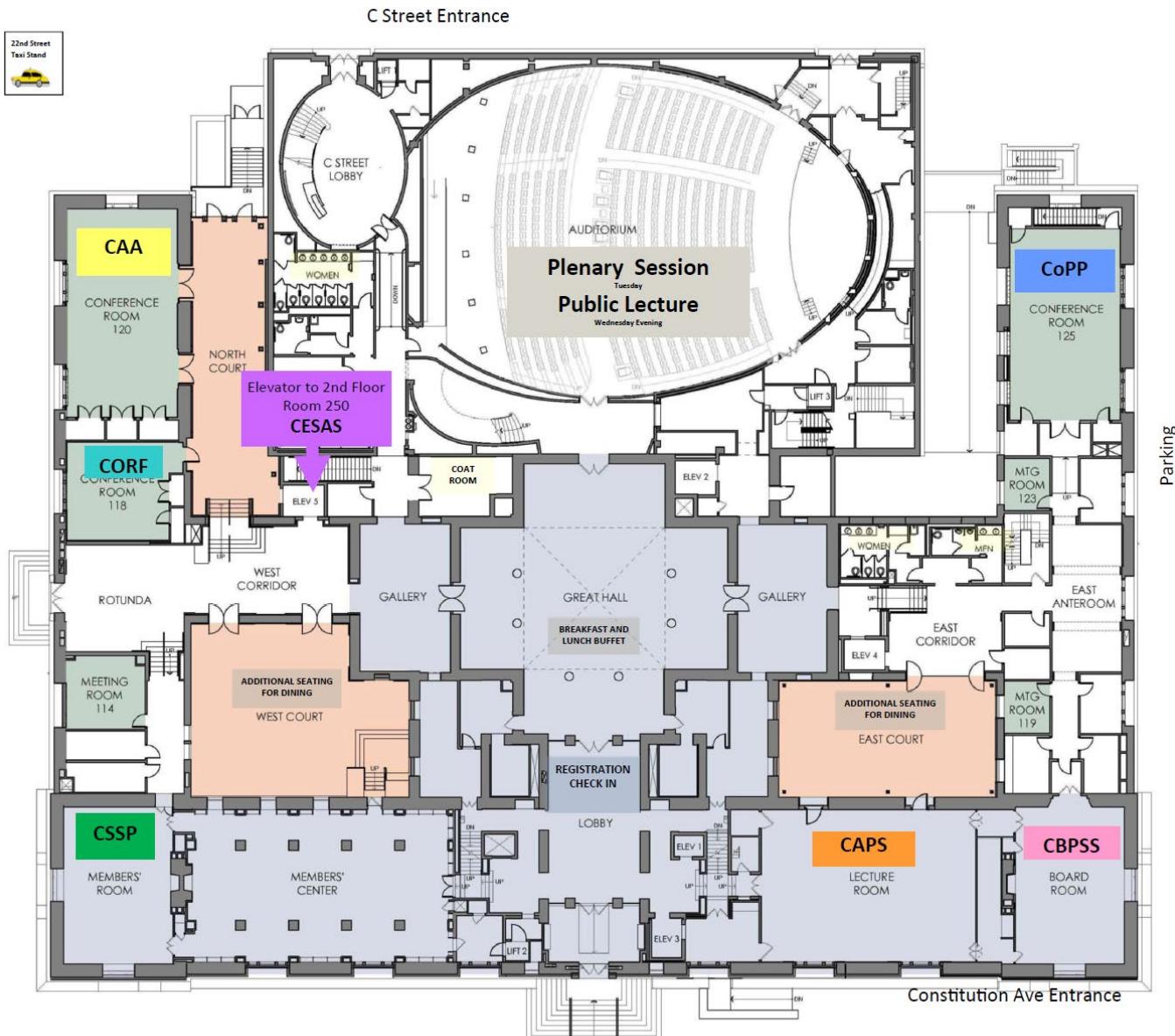
Committee [Website](#)

Thank you all for your cooperation, and we look forward to a successful meeting.

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Space Science Week — CESAS

April 1-4, 2025



March 31—April 4, 2025

CAA	Room 120
CAPS	Lecture Room
CBPSS	Board Room
CESAS	Room 250
CoPP	Room 125
CSSP	Members' Room
CORF	Room 118