

SPACE SCIENCE WEEK

Committee on Solar and Space Physics

April 1-3, 2025

Hybrid Meeting

In Person at the National Academy of Sciences Building, 2101 Constitution Avenue, NW, Washington, DC

Online via Zoom and Livestream

TUESDAY, APRIL 1, 2025

PLENARY SESSION

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

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8:30 AM	Welcome	Dr. Colleen Hartman Director, Space Studies Board
8:40 AM	Perspectives on Space Policy <i>(15-minute presentation)</i>	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	Dr. Tahllee Baynard Vice President, Ignite, Lockheed Martin Space
9:20 AM	Address from Acting NASA Administrator <i>(25-minute presentation)</i>	Ms. Janet Petro Acting Administrator, NASA
9:45 AM	Update from NASA Science Mission Directorate (SMD) <i>(40-minute presentation and 20-minute discussion)</i>	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) <i>(40-minute presentation and 20-minute discussion)</i>	Dr. Lori Glaze Acting Assoc. Administrator, NASA-ESDMD
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

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2:15 PM **AI in Space Applications**
(30-minute presentation and 15-minute discussion) **Dr. Shirley Dyke**
Professor, Purdue University

3:00 PM **Observations of a Space Journalist:
The Global Reach for the Moon and Mars**
(20-minute presentation and 10-minute discussion) **Mr. Leonard David**
Independent Space Journalist

3:30 PM Break (30 minutes)

International Partners Presentations

4:00 PM **European Space Agency (ESA) Science Highlights**
(20-minute presentation and 10-minute discussion) **Dr. Carole Mundell***
Director of Science, ESA

4:30 PM **Committee on Space Research (COSPAR) Update**
(20-minute presentation and 10-minute discussion) **Dr. Pascale Ehrenfreund**
President, COSPAR

5:00 PM **Update from National Space Science Center (NSSC)
Chinese Academy of Sciences**
(20-minute presentation and 10-minute discussion) **Prof. Chi Wang**
Director General, NSSC

5:30 PM **Japanese Aerospace Exploration Agency (JAXA)
Science Highlights**
(20-minute presentation and 10-minute discussion) **Dr. Masaki Fujimoto***
Deputy Director General, Institute of Space
and Astronautical Sciences (ISAS), JAXA

6:00 PM Meeting Adjourns

DINNER – BY INVITATION ONLY

6:00 PM **Working Dinner for Members, Speakers, and Invited Guests
in the Great Hall**

8:30 PM Plenary Session Adjourns for the Day

Space Science Week
March 17-21, 2024

WEDNESDAY, APRIL 2, 2025

OPEN SESSION

Livestream Link: <https://vimeo.com/event/5014758>

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10:30 AM	Update from NASA Heliophysics Division	Dr. Joseph Westlake NASA Heliophysics Division
11:45 AM	Break	
12:00 PM	Introduction to the Committee on Radio Frequencies Tune in to CORF/CAA joint session	Dr. Scott Paine CORF Chair
12:30 PM	Working Lunch for Members, Speakers, Registered Guests, and Staff Great Hall	
1:30 PM	Update from NOAA Space Weather Prediction Center	Jennifer Meehan NOAA
2:00 PM	Update from NOAA National Environmental Satellite, Data, and Information Service and the National Centers for Environmental Information	Dr. Jim Spann NOAA NESDIS Dr. Laurel Rachmeler NOAA NCEI
2:30 PM	Discussion with NOAA	CSSP and NOAA guests
2:45 PM	Break	
3:15 PM	CAA-CSSP Joint Session: Briefing on the Decadal Survey for Solar and Space Physics (45-minute presentation, 45-minute discussion period)	Dr. Stephen Fuselier Dr. Robyn Millan Decadal Survey for Solar and Space Physics, Co-Chairs
4:45 PM	Break	
4:55 PM	Continued discussion on the Decadal Survey, CSSP-only	
5:15 PM	Meeting Adjourns for the Day	

Keynote Space Science Week Public Lecture

DINNER – BY INVITATION ONLY

5:30 PM Working Dinner for Members, Speakers, and Invited Guests in the West Court

KEYNOTE PUBLIC LECTURE

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

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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

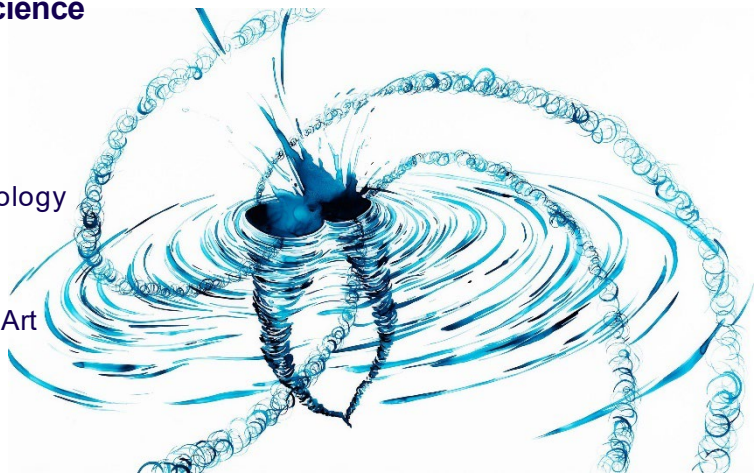
Ms. Lia Halloran

Chair and Associate 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 Ms. Lia Halloran
7:45 PM	Q&A with Kip and Lia	Moderator: Mr. Taras Matla

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

OPEN SESSION

Livestream Link: <https://vimeo.com/event/5014762>

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11:45 AM	Working Lunch for Members, Speakers, Registered Guests, and Staff Great Hall	
1:00 PM	EZIE Mission Overview and Experience with Rideshare	Dr. Jesper Gjerloev Johns Hopkins University
1:45 PM	PUNCH Mission Overview and Experience with Rideshare	Dr. Nicholeen Viall NASA GSFC
2:30 PM	Break (30 minutes)	
3:00 PM	TRACERS Mission Overview and Experience with Rideshare	Dr. David Miles Mr. Keith Cleveland University of Iowa
3:45 PM	Meeting Adjourns	

IMPORTANT NOTES

Presenters:

- Please do not include unpublished data, ITAR-controlled or sensitive information in your presentation.
- A National Academies Board staff member will ask you to sign a form before the meeting allowing us permission to use your likeness and presentation for our livestream video, which will be posted on our Board website after the meeting. Please get in touch with us before the meeting if you have any concerns about this usage.

Members and Presenters:

- Remote access will be provided through Zoom. This will allow you to participate in the meeting even if you can't be physically present.
- Please note that Zoom allows audio and any materials exchanged or viewed during the session to be recorded and shared.
- By participating in this activity, you agree to let your voice, likeness, and any materials you provide be recorded for use and dissemination. This includes any language, format, or media now known or later devised.
- You release the National Academies of Sciences, Engineering, and Medicine from any and all claims, liability, or damages arising from any such use. If you disagree, please do not join the session.

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 Board website. You do not need to register.

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