

SPACE SCIENCE WEEK

Committee on Astronomy and Astrophysics

April 1 – April 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>

CLICK HERE TO JOIN

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	

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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 Professor, 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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WEDNESDAY, APRIL 2, 2025

OPEN SESSION

Livestream Link: <https://vimeo.com/event/4984146>

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- 11:30 AM** **Connecting Astronomy Software with NSF TIP**
(20-minute presentation and 10-minute Q&A)
- Dr. Kyle Westfall***
Associate Project Scientist
University of California Observatories
- 12:00 PM** **Introduction to the Committee on Radio Frequencies**
(20-minute presentation and 10-minute Q&A)
- Dr. Scott Paine**
Senior Physicist
Smithsonian Astrophysical Observatory
Center for Astrophysics | Harvard and Smithsonian
CORF Chair
- 12:30 PM** Working Lunch for Members, Speakers, and Invited Guests in the Great Hall (90 minutes)
- 2:00 PM** **The Future of U.S. Government Science Support
and U.S. Scientific Leadership**
(25-minute presentation and 20-minute Q&A)
- Ms. Joanne Padrón Carney**
Chief Government Relations Officer, AAAS
Ms. Erin Heath
Director Federal Relations, AAAS
- 2:45 PM** Break (30 minutes)

OPEN SESSION

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

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Joint Session of the CAA and CSSP

- 3:15 PM** **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** Meeting Adjourns to Executive Session; Break (15 minutes)

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

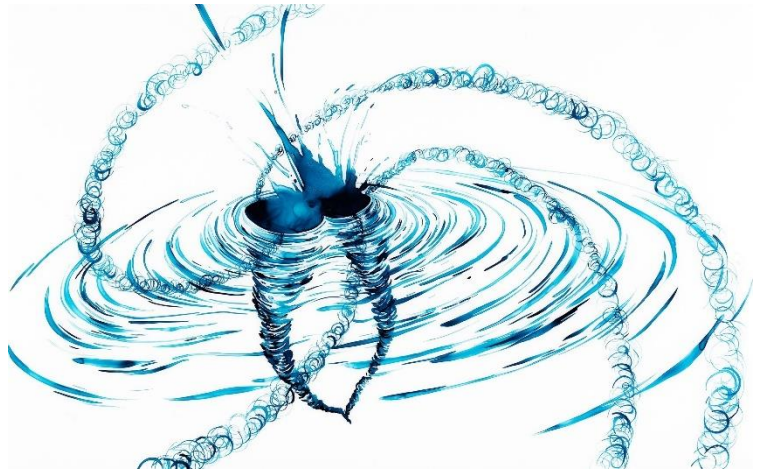
Prof. Lia Halloran

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

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.

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THURSDAY, APRIL 3, 2025

OPEN SESSION

Livestream Link: <https://vimeo.com/event/4984153>

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9:15 AM	NASA Astrophysics Update <i>(30-minute presentation)</i>	Dr. Shawn Domagal-Goldman Acting Astrophysics Division Director, NASA-SMD
9:45 AM	NASA Astrophysics Q&A <i>(45-minute discussion period)</i>	Dr. Shawn Domagal-Goldman Acting Astrophysics Division Director, NASA-SMD
10:30 AM	Break (10 minutes)	
10:40 AM	Data Transmission Needs for Emerging Missions <i>(20-minute presentation, 15-minute Q&A)</i>	Dr. Jamie Kennea* Research Professor, Penn State University
11:15 AM	Updates from Maunakea <i>(25-minute presentation and 20-minute Q&A)</i>	Mr. Rich Matsuda* Director, W.M. Keck Observatory Dr. John O'Meara Deputy Director and Chief Scientist, W.M. Keck Observatory
12:00 PM	Working Lunch for Members, Speakers, and Invited Guests in the Great Hall (60 minutes)	
1:00 PM	Roman Data Management and Coordination Strategy <i>(20-minute presentation, 15-minute Q&A)</i>	Dr. Julie McEnery Roman Project Scientist, NASA/GSFC
1:35 PM	Panel: Open Science and its Implementation <i>(40-minute discussion period)</i> Panelists:	Dr. Steven M. Crawford , Senior Program Executive for Scientific Data and Computing, NASA-SMD Dr. Ethan Vishniac , Editor in Chief, AAS Journals
2:15 PM	Break (25 minutes)	
2:40 PM	Interagency Coordination on Multi-Messenger Astronomy <i>(20-minute presentation, 15-minute Q&A)</i>	Dr. Gautham Narayan Associate Professor, Univ. of Illinois Urbana-Champaign Deputy Director, NSF-Simons SkAI Institute
3:15 PM	Update from AAS COMPASSE <i>(25-minute presentation, 20-minute Q&A)</i>	Dr. Teznie Pugh Dr. Michelle Wooten AAS COMPASSE Co-Chairs

* remote participant

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4:00 PM	Closing Comments by the Committee <i>(15-minute discussion period)</i>	CAA Co-Chairs
4:15 PM	Meeting Adjourns to Executive Session	

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.