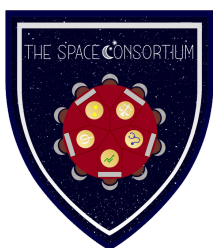


SPACE WEEK AT HARVARD

2022

4TH EDITION

APRIL 18 -22



THE SPACE CONSORTIUM

AT HARVARD & MIT

spaceconsortium.com/contact | (617) 710-5722
10 Agassiz Street, Suite 26, Cambridge, MA, 02140

TABLE OF CONTENTS

About The Space Consortium	2
Space Week 2022	3
Become a Member	4
Space Week Schedule	5
Space Film Festival	7
Auction	8
Space Week Program	10
Monday	10
Tuesday	11
Wednesday	13
Thursday	15
Friday	17
Meet the Team	24

ABOUT THE SPACE CONSORTIUM

The Space Consortium at Harvard & MIT was founded in Fall 2017 when a concerted effort supported by the Harvard Provost Office brought together faculty members from Harvard and MIT to work towards a common goal: creating the first academic space hub for multidisciplinary space research. Today, the consortium serves a network of over 530 affiliates (students, faculty and alumni) in the US, including more than 30 faculty members at Harvard and MIT (cf. list of our Harvard & MIT members below), working on a wide range of topics, including Space Genetics, Space Economics and Financing, Space Debris and Near-Earth Objects Detection and Tracking, Space Mining, Space Design and Architecture, and Space Law and Policy. Strengthening relations between the multiple disciplines of the field is a key driving force for the Consortium, along with coordinating and nurturing the community to increase work and engagement with the private space sector.

During Space Week, the Consortium's annual outreach series of events, the Consortium promotes unprecedented and fruitful exchanges between an impressive array of affiliated top experts, business and community leaders, faculty, researchers, educators, students, and alumni, which allows the community to engage with critical discussions related to the multidisciplinary issues affecting the aerospace industry today.

Space Week at Harvard is free and open to the public. Through experts' lightning talks, keynotes, a space career fair, and a week-long Space Film Festival, Consortium members and the greater Boston community are invited to discover the intricate hot-button topics in the field. Your company will have access to an exclusive and unique networking opportunity with the world's most important actors and thinkers.

Past topics have included Mars and Moon exploration, space medicine, space mining, the latest NASA missions and instrumentation, public-private partnerships, Space Design, and Space curation. Past speakers have included Jeffrey Hoffman (Former NASA Astronaut and Deputy PI of the Mars MOXIE experiment), Professor Kim Kowal (Chandra X-ray Observatory), Astronaut Soyeon Yi, and Richard Dalbello (VP of Business Development and Government Affairs, Virgin Galactic).

SPACE WEEK 2022

Theme: Sustainability

This year, Space Week at Harvard, 4th Ed. will take April 18th-22nd, and, among other noteworthy events, will feature a Space Career Fair, a Dark Sky trip, activities such as Space Night at Harvard, and a week-long Space Film Festival where space experts will discuss some of the most iconic space movies of the past two decades.

Pre-Register for Events at [Bit.ly/SpaceWeek2022Registration](https://bit.ly/SpaceWeek2022Registration)

All Space Week at Harvard events – except for the Space Film Festival viewings – are free, in person, open to all and require pre-registration.

Access to certain events will be limited: seats will be provided on a first-come, first served basis.

**OR SCAN HERE TO
PRE-REGISTER**



Space Film Festival

Early bird registration (until 04/17): \$10/film (free for children < 10 years old) + 50% off tickets for all students

Regular registration (0418-21st): \$12/film (free for children < 10 years old), \$10 for students

BECOME A MEMBER

SCAN TO
VIEW ONLINE



Space Consortium Membership

Sign up now for just
\$7.99/month

*Save when you sign up for a year! Just
\$84/year (\$6.99/month)*

Space Consortium Student Membership

Sign up now for just
\$4.99/month

Our best deal: Sign up for a full year
of the Student Membership for only
\$48/year! (\$3.99/month)

*Are you a student? Take advantage of our
Student Membership Discount. Get all of the
same great content for just \$4.99/month!*

Membership grants you access to:

- Monthly Space Consortium STAR (Space Transdisciplinary Academic Research) Recap: the Consortium STAR Recap is a monthly newsletter recapping all space-related news from all Harvard and MIT schools and departments. The recap also includes a list of all upcoming space-related talks and events at Harvard and MIT
- Access to all Space Week videos 2021
- Access to the incoming Space Consortium Joint Events Calendar
- Entry into the raffle for an expenses-paid trip to Washington, DC with the Space Consortium to meet with an explore space policy work in action

Full-year membership doesn't just save you money. It also grants you access to special deals! Available only for those who sign up during Space Week 2022 (4/18/22-4/21/22), yearly membership entitles you to all of the benefits listed above and:

- 50% off all Space Week at Harvard 2022 tickets
- Pre-registration access to all Space Week at Harvard 2023 events, including the inaugural STAR Conference 2023.
- 10% off all Space Consortium merch purchased during Space Week 2022
- A special Space Consortium pin identifying you as a Member

SPACE WEEK AT HARVARD

SCHEDULE

MONDAY, APRIL 18TH, 2022

- 12:00-1:30 PM Space Law, Policy and Ethics (SLPE) Seminar Open House
- 6:00-9:00 PM Space Film Festival Night 1: “Don’t Look Up” commented by NASA Planetary Defense Officer Lindley Johnson, Astronomer Dr. Amy Mainzer (UoA) and Space Geneticist Christopher E. Mason (Cornell)

TUESDAY, APRIL 19TH, 2022

- 1:30-3:00 PM Astrophotography Atelier, by Harvard STAHR and Astrosoc
- 6:00-10:00 PM Space Film Festival Night 2: “Interstellar” commented by Astronaut Jeffrey Hoffman and Black Hole Expert Prof. Josh Grindlay (Harvard CfA)

WEDNESDAY, APRIL 20TH, 2022

- 12:00-1:30 PM Harvard SEDS experts panel: “Is the Space Sector Harmful or Helpful to the Planet?” Experts panel (free) with Charity Weeden (VP Astroscale), Dr. Minoo Rathnasabapathy (MIT), Dr. Mercedes Lopez-Morales (CfA) and Chris Johnson (SWF)
- 6:00-10:00 PM Space Film Festival Night 3: “Gravity” commented by Origins of Life” Director Prof. Dimitar Sasselov (Harvard CfA), Charity Weeden (VP Astroscale) and Chris Johnson (SWF)
- Night Dark Sky Trip to Halibut Point

THURSDAY, APRIL 21ST, 2022

- 12:00-1:30 PM Harvard Law School Space Law Society Experts Panel: Space Law, Space Debris and the question of Space Sustainability, Prof. Michelle Hanlon, Dr. Cassie Lee (Lockheed Martin)
- 6:00-10:00 PM Space Film Festival Night 4: “Star Trek VI” commented by Korean Astronaut Soyeon Yi, Mike Gold (Red Wire) and Mary Snitch (Lockheed Martin)

FRIDAY, APRIL 22ND, 2022

- 9:30-11:30 AM** Space Policy Keynote at Harvard Kennedy School : “The US Space Policy”, by Ezinne Uzo-Okoro (OSTP), and “The Artemis Accords” by Mike Gold (Red Wire)
- 2:00-4:00 PM** The Space Consortium’s Space Career Fair And Space Auction with representatives from Astroscale, Lockheed Martin, Planet, Blue Origin, Red Wire, Hawkeye, COSPAR, Brook Owens Foundation and more.



**SCAN FOR
AUCTION**

SPACE NIGHT AT HARVARD PART 1

For students only at the Harvard SOCH

- 4:15-4:45 PM** Keynote 1 – Space Sustainability and Space Debris (Charity Weeden, Astroscale)
- 5:00-5:30 PM** Harvard & MIT Space Faculty Panel (with Dimitar Sasselov (CfA), Martin Elvis (CfA), Jeffrey Hoffman (MIT Aero/Astro) and more)
- 5:30-6:00 PM** Private Space Sector Panel (with representatives from Lockheed Martin, Blue Origin, Astroscale, Hawkeye, Planet and Red Wire)
- 6:00-6:30 PM** Harvard & MIT Space Student Organizations (with representatives from STAHR, Astrosoc, HLS-SLS, HBS-AAC, MIT SEDS and more)

SPACE NIGHT AT HARVARD PART 2

Public Event at the Cambridge Apple Cinema Freshpond

- 7:00-7:20 PM** Keynote 2 – Space Sustainability and MOXIE (By Prof. Jeffrey Hoffman, MIT)
- 7:20-7:40 PM** Keynote 3 – Space Sustainability and the ISS (Dr. Soyeon Yi, First Korean Astronaut)
- 7:40-8:00 PM** Q&A with Astronauts Hoffman & Yi
- 8:00-9:40 PM** Final Evening of the Space Film Festival: “Wall-E”
- 9:40 PM-12 AM** Harvard Astronomy Open House, Night Sky Observation and Space Week Closing Celebration

SPACE FILM FESTIVAL AT HARVARD

MONDAY, APRIL 18TH, 2022

6:00-9:00 PM Space Film Festival Night 1: "Don't Look Up" commented by NASA Planetary Defense Officer Lindley Johnson, Astronomer Dr. Amy Mainzer (UoA) and Space Geneticist Christopher E. Mason (Cornell)



TUESDAY, APRIL 19TH, 2022

6:00-10:00 PM Space Film Festival Night 2: "Interstellar" commented by Astronaut Jeffrey Hoffman and Black Hole Expert Prof. Josh Grindlay (Harvard CfA)



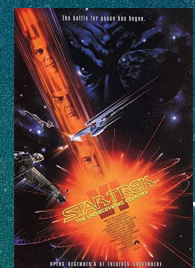
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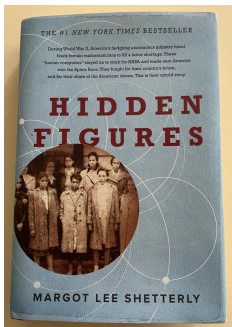


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VIEW ON
WEBSITE



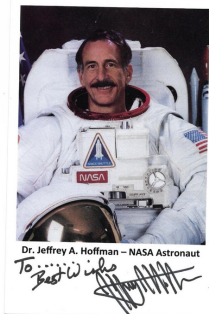
AUCTION

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ALL ITEMS



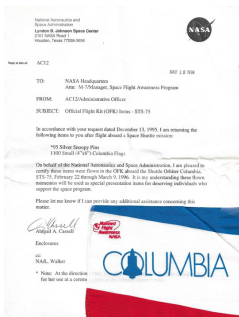
HARDCOVER EDITION OF MARGOT LEE SHETTERLY'S “HIDDEN FIGURES”

Hidden Figures (New York: William Morrow, an imprint of HarperCollins, 2016)
Donated by: The MIT Museum



SIGNED OFFICIAL NASA PHOTOS WITH PERSONAL DEDICATIONS FROM ASTRONAUT JEFFREY HOFFMAN

Donated by: Astronaut and MIT Professor Jeffrey Hoffman
4 available



NASA COLUMBIA SPACE MISSION FLAG FLOWN IN SPACE AND ITS CERTIFICATE

Donated by: Astronaut and MIT Professor Jeffrey Hoffman



NASA SHIRT WORN BY ASTRONAUT JEFFREY HOFFMAN ON THE INTERNATIONAL SPACE STATION

Donated by: Astronaut and MIT Professor Jeffrey Hoffman



Stellar Brunch

JOIN ASTRONAUTS SOYEON YI AND JEFFREY HOFFMAN

FOR A ONCE-IN-A-LIFE-TIME PRIVATE BRUNCH WITH YOU AND A PERSON OF YOUR CHOOSING.

Saturday, April 23 | 11 AM

Organized by: The Space Consortium at Harvard & MIT

A STELLAR BRUNCH WITH NASA ASTRONAUT JEFFREY HOFFMAN AND KOREAN ASTRONAUT SOYEON YI

Join Astronauts Soyeon Yi and Jeffrey Hoffman for a once-in-a-life-time private brunch with you and a person of your choosing. Brunch will take place on Saturday, April 23rd at 11 am.

Jeffrey Hoffman is the Professor of the Practice of Aerospace Engineering at MIT. Hoffman flew five missions aboard the Space Shuttle, logging more than 1,211 hours and 21.5 million miles in space, including the first mission to repair the Hubble Telescope in 1993. Dr. Hoffman was Payload Commander of STS-46, the first flight of the US-Italian Tethered Satellite System. He has performed four spacewalks, including the first unplanned, contingency spacewalk in NASA's history. He received his B.A. from Amherst College, his Ph.D. from Harvard University, and his M.S. from Rice University.

Soyeon Yi is a South Korean scientist and astronaut and the first South Korean citizen to fly in space. She was selected as an astronaut in December 2006 from an application pool of 36,000 contestants. On April 8, 2008, she launched into space on-board Soyuz TMA-12. During her 11-day mission at the International Space Station (ISS), Dr. Yi completed an aggressive number of experiments contributing to South Korea's science textbooks and science channel television lectures. Yi earned bachelor's and master's degrees in mechanical engineering at the Korea Advanced Institute of Science and Technology (KAIST) in Taejŏn in 2001 and 2002, respectively.

MONDAY, APRIL 18TH

12:00-1:30 PM

Space Law, Policy and Ethics (SLPE) Seminar Open House

6:00-9:00 PM

Space Film Festival Night 1: “Don’t Look Up”

commented by NASA Planetary Defense Officer Lindley Johnson, Astronomer Dr. Amy Mainzer (UoA) and Space Geneticist Christopher E. Mason (Cornell)



LINDLEY JOHNSON

NASA PLANETARY DEFENSE OFFICER

Lindley Johnson is NASA’s Planetary Defense Officer and Program Executive of the Planetary Defense Coordination Office (PDCO). Mr. Johnson graduated from the University of Kansas in 1980 with a bachelor’s degree in astronomy and a commission from the U.S. Air Force Reserve Officers Training Corps. He also earned a master’s degree in engineering management from the University of Southern California. After coming to NASA in 2003, he served as Program Executive for NASA’s Deep Impact mission. Mr. Johnson became Program Executive for NASA’s Near Earth Object (NEO) Observations Program in 2003.



DR. AMY MAINZER (UOA)

ASTRONOMER

Dr. Amy Mainzer is a Professor in the Lunar and Planetary Laboratory at the University of Arizona and one of the world’s leading scientists in asteroid detection and planetary defense. She earned her Ph.D. in astronomy from the University of California, Los Angeles. As principal investigator of NASA’s Near-Earth Object Wide-field Infrared Survey Explorer (NEOWISE) mission, Mainzer has overseen the largest space-based asteroid-hunting project in history. Dr. Mainzer also makes significant contributions in the realms of science education and public outreach.



CHRISTOPHER E. MASON (CORNELL)

SPACE GENETICIST

Christopher E. Mason is a professor of Genomics, Physiology, and Biophysics at Weill Cornell Medicine and one of the founding Directors of the WorldQuant Initiative for Quantitative Prediction. In 2001, Mason received a dual BS in Genetics and Biochemistry from the University of Wisconsin-Madison. He completed his PhD in Genetics from Yale University in 2006. Mason led the first demonstration of sequencing in zero gravity and designed the genomics and bioinformatics methods and experimental protocols used on the International Space Station (ISS) for the mission to sequence DNA in space for the first time.



TUESDAY, APRIL 19TH

1:30-3:00 PM

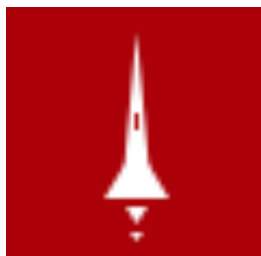
Astrophotography Atelier, by Harvard STAHR and Astrosoc



STUDENT ASTRONOMERS AT HARVARD-RADCLIFFE (STAHR)

WEBSITE: [HCS.HARVARD.EDU/~STAHR/](https://hcs.harvard.edu/~stahr/)
EMAIL: SEDSHARVARD@GMAIL.COM

The Student Astronomers at Harvard-Radcliffe (STAHR) is Harvard's undergraduate astronomy club. It provides students the opportunity to engage in hands-on recreational astronomy. The club runs the Loomis-Michael Observatory atop the Harvard Science Center and teaches telescope courses there each semester. STAHR also regularly hosts dark sky trips, open house observing events, space-based movie nights, and more. In a virtual setting, STAHR plans to host an astronomy speaker series and astrophotography workshops.



HARVARD COLLEGE ASTROPHYSICAL SOCIETY (ASTROSOC)

EMAIL: HARVARDASTROSOC@GMAIL.COM

AstroSoc is the society for undergraduate concentrators, secondaries, and underclassmen interested in engaging with astrophysics academically at Harvard. We work to build community in the astrophysics undergrad community by running a bunch of events, including weekly lunches, monthly pizza seminars with faculty, historical instrument tours, research work-sessions, and dark sky trips.

ACTIVITY ENABLED BY HBS ALUMNI AND CONSORTIUM DONOR:



JOE LANDON

HBS ALUM

Joe Landon serves as Vice President of Advanced Programs Development for Lockheed Martin's Commercial Civil Space line of business. Landon graduated from Embry-Riddle Aeronautical University with a BS in Engineering Physics. He earned an MS in Aerospace Engineering from the University of Southern California and an MBA from Harvard Business School.

6:00-10:00 PM

Space Film Festival Night 2: “Interstellar” commented by Astronaut Jeffrey Hoffman and Black Hole Expert Prof. Josh Grindlay (Harvard CfA)



JEFFREY HOFFMAN
ASTRONAUT

Jeffrey Hoffman is the Professor of the Practice of Aerospace Engineering at MIT. Hoffman flew five missions aboard the Space Shuttle, logging more than 1,211 hours and 21.5 million miles in space, including the first mission to repair the Hubble Telescope in 1993. Dr. Hoffman was Payload Commander of STS-46, the first flight of the US-Italian Tethered Satellite System. He has performed four spacewalks, including the first unplanned, contingency spacewalk in NASA's history. He received his B.A. from Amherst College, his Ph.D. from Harvard University, and his M.S. from Rice University.



PROF. JOSH GRINDLAY (HARVARD CFA)
BLACK HOLE EXPERT

Josh Grindlay is an astrophysicist and the Robert Treat Paine Professor of Practical Astronomy at Harvard University. He earned his Ph.D. in Astrophysics from Harvard University. His research interests are in high energy astrophysics and the study of compact astronomical objects such as black holes in X-ray binaries. He is also one of the founders of the working group on time-domain astronomy of the American Astronomical Society.

WEDNESDAY, APRIL 20TH

12:00-1:30 PM

Harvard SEDS experts panel: “Is the Space Sector Harmful or Helpful to the Planet?” Experts panel (free) with Charity Weeden (VP Astroscale), Dr. Minoo Rathnasabapathy (MIT), Dr. Mercedes Lopez-Morales (CfA) and Chris Johnson (SWF)



CHARITY WEEDEN
VP ASTROSCALE

Charity Weeden is Vice President, Global Space Policy at Astroscale U.S., coordinating and synchronizing Astroscale’s global policy efforts towards spaceflight safety and long-term space sustainability. Weeden received her undergraduate degree in Mechanical Engineering from the Royal Military College of Canada and a Masters Degree in Space Science from the University of North Dakota. She is an alumnus of the International Space University Summer Session Program.



DR. MINOO RATHNASABAPATHY (MIT)
RESEARCH ENGINEER

Dr. Minoo Rathnasabapathy is a Research Engineer within the Space Enabled Research Group at the MIT Media Lab. In this role, she helps coordinate projects in collaboration with international development organizations, national governments and entrepreneurial companies to apply space technology in support of the United Nations’ Sustainable Development Goals. She also leads efforts in designing and developing the Space Sustainability Rating (SSR) in collaboration with the World Economic Forum and the European Space Agency. Dr. Rathnasabapathy earned her PhD in Aerospace Engineering from RMIT University, researching the impact dynamics of novel materials used in aerospace structures.



DR. MERCEDES LOPEZ-MORALES (CFA)
ASTRONOMER

Dr. Mercedes Lopez-Morales is an Astronomer at the Harvard-Smithsonian Center for Astrophysics in Cambridge, Massachusetts. López-Morales leads the Exoplanet Spectroscopy Survey (ACCESS) project where she investigates optical properties of exoplanet atmospheres using spectroscopy techniques. López-Morales studied physics during her undergraduate program at Universidad de La Laguna, in the Canary Islands, Spain. She received her PhD in astronomy from the University of North Carolina at Chapel Hill in 2004.



CHRIS JOHNSON
SPACE LAW ADVISOR FOR SECURE WORLD FOUNDATION

Chris Johnson is the Space Law Advisor for Secure World Foundation and has nine years of professional experience in international space law and policy. Mr. Johnson holds a Bachelor’s of Art (B.A) degree in English from Michigan State University; a Juris Doctor from New York Law School; and an Advanced Masters in Law (LLM) in Air and Space Law from Leiden University’s International Institute of Air and Space Law. He serves as a Professor of Law (Adjunct) at the Georgetown University Law Center in Washington D.C., where he co-teaches the spring Space Law Seminar. He is also Adjunct Faculty at the International Space University (ISU) in Strasbourg, France, the Legal Advisor for the Moon Village Association (MVA); and a Core Expert and Rule Drafter in the Manual on International Law Applicable to Military Activities in Outer Space (MILAMOS) project.



6:00-10:00 PM

Space Film Festival Night 3: “Gravity” commented by
Origins of Life” Director Prof. Dimitar Sasselov (Harvard CfA),
Charity Weeden (VP Astroscale) and Chris Johnson (SWF)



PROF. DIMITAR SASSELOV (HARVARD CFA)
"ORIGINS OF LIFE" DIRECTOR

Dr. Dimitar Sasselov is the Phillips Professor of Astronomy at Harvard University and the Director of Harvard's Origins of Life Initiative. He is an astronomer who explores the interaction between light and matter. Professor Sasselov studies, among other things, extrasolar planets, and he's a co-investigator on NASA's Kepler mission, which is monitoring 100,000 stars in a three-year hunt for exoplanets -- including Jupiter-sized giants.

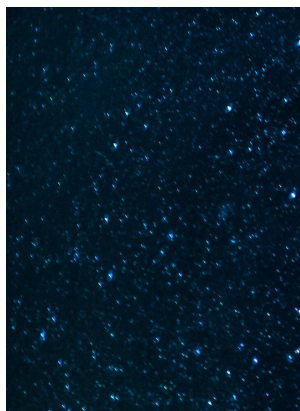


CHARITY WEEDEN
VP ASTROSCALE



CHRIS JOHNSON
SPACE LAW ADVISOR FOR SECURE WORLD
FOUNDATION

Night



Dark Sky Trip to Halibut Point



**STUDENT ASTRONOMERS AT HARVARD-
RADCLIFFE (STAHR)**

ACTIVITY ENABLED BY MIT ALUMNI AND CONSORTIUM DONOR:



BARRET SCHLEGELMILCH
MIT ALUM

Barret Schlegelmilch is the Principal Program Manager and Senior Program Manager at Blue Origin. He joined the U.S. Navy after college and served as a diver and officer on nuclear submarines. Schlegelmilch earned an MS in Aeronautical and Astronautical Engineering from MIT and an MBA from the MIT Sloan School of Management.

THURSDAY, APRIL 21TH

12:00-1:30 PM

**Harvard Law School Space Law Society Experts Panel:
Space Law, Space Debris and the question of Space
Sustainability, Prof. Michelle Hanlon, Dr. Cassie Lee
(Lockheed Martin)**



PROF. MICHELLE HANLON
AIR AND SPACE LAW INSTRUCTOR,
RESEARCH COUNSEL

Michelle Hanlon is a Co-Director of the Center for Air and Space Law. She is also an Air and Space Law Instructor and Research Counsel at the University of Mississippi. Hanlon received her B.A. in Political Science from Yale College and her J.D. magna cum laude from the Georgetown University Law Center. She earned her LL.M in Air and Space Law from McGill University where the focus of her research was commercial space and the intersection of commerce and public law. Michelle is a Co-Founder and the President of For All Moonkind, Inc., a nonprofit corporation that is the only organization in the world focused on protecting human cultural heritage in outer space.



DR. CASSIE LEE
CLIMATE INTELLIGENCE AT LOCKHEED MARTIN

Cassie Klobberdanz Lee is the Advanced Programs Lead for Weather and Remote Sensing at Lockheed Martin Space and a Strategic Advisor to Bye Aerospace. Lee's previous positions include Chief Operating Officer of Earthrise Alliance and Head of Space Programs at Vulcan Inc, a Paul G. Allen company. In these roles, she led the development of innovative space solutions in support of improving ocean health, addressing climate change and using data to save species at risk of extinction. Lee is a graduate of the University of Colorado Boulder, where she designed and taught a graduate course in Aerospace Engineering Sciences, and the University of Iowa. She began her career as a propulsion engineer for NASA and has held a variety of roles with Sierra Nevada Corporation and SpaceX.



6:00-10:00 PM

Space Film Festival Night 4: “Star Trek VI” commented by Korean Astronaut Soyeon Yi, Mike Gold (Red Wire) and Michelle Hanlon (University of Mississippi)



SOYEON YI
ASTRONAUT

Soyeon Yi is a South Korean scientist and astronaut and the first South Korean citizen to fly in space. She was selected as an astronaut in December 2006 from an application pool of 36,000 contestants. On April 8, 2008, she launched into space on-board Soyuz TMA-12. During her 11-day mission at the International Space Station (ISS), Dr. Yi completed an aggressive number of experiments contributing to South Korea's science textbooks and science channel television lectures. Yi earned bachelor's and master's degrees in mechanical engineering at the Korea Advanced Institute of Science and Technology (KAIST) in Taejeon in 2001 and 2002, respectively.



MIKE GOLD
EXECUTIVE VICE PRESIDENT FOR CIVIL
SPACE AND EXTERNAL AFFAIRS AT
REDWIRE SPACE

Mike Gold is the Executive Vice President for Civil Space and External Affairs at Redwire Space. Prior to joining Redwire, Gold was NASA's Associate Administrator for Space Policy and Partnerships and also served as Acting Associate Administrator for the Office of International and Interagency Relations and Senior Advisor to the Administrator for International and Legal Affairs. He holds a Bachelor of Arts Degree from Brandeis University and graduated from the University of Pennsylvania Law School. Gold is admitted to practice law in the District of Columbia and the State of New York.



PROF. MICHELLE HANLON
AIR AND SPACE LAW INSTRUCTOR,
RESEARCH COUNSEL

Michelle Hanlon is a Co-Director of the Center for Air and Space Law. She is also an Air and Space Law Instructor and Research Counsel at the University of Mississippi. Hanlon received her B.A. in Political Science from Yale College and her J.D. magna cum laude from the Georgetown University Law Center. She earned her LL.M in Air and Space Law from McGill University where the focus of her research was commercial space and the intersection of commerce and public law. Michelle is a Co-Founder and the President of For All Moonkind, Inc., a nonprofit corporation that is the only organization in the world focused on protecting human cultural heritage in outer space.

FRIDAY, APRIL 22TH

9:30-11:30 AM

Space Policy Keynote at Harvard Kennedy School : “The US Space Policy”, by Ezinne Uzo-Okoro (OSTP), and “The Artemis Accords” by Mike Gold (Red Wire)



EZINNE UZO-OKORO

**ASSISTANT DIRECTOR FOR SPACE POLICY
AT THE WHITE HOUSE OFFICE OF SCIENCE
AND TECHNOLOGY POLICY**

Ezinne Uzo-Okoro determines civil and commercial space policy priorities for the White House Office of Science and Technology Policy. In 17 years at NASA, she contributed to over 60 missions and program. She holds an undergraduate degree in Computer Science from Rensselaer Polytechnic Institute, and masters degrees in Space Systems, Space Robotics, and Science & Technology Policy, from Johns Hopkins University, MIT, and Harvard University, respectively. Uzo-Okoro is completing a PhD at MIT, on the robotic assembly of satellites. She founded Terraformers.com to grow affordable food through productive and networked backyard gardens, as a precursor to growing food in space.



MIKE GOLD

**EXECUTIVE VICE PRESIDENT FOR CIVIL
SPACE AND EXTERNAL AFFAIRS AT
REDWIRE SPACE**



2:00-4:00 PM

**The Space Consortium's Space Career Fair And
Space Auction**

With representatives from
Astroscale, Lockheed Martin, Planet, Blue Origin, Red
Wire, Hawkeye, COSPAR, Brook Owens Foundation
and more.



**SCAN FOR
AUCTION**



SPACE NIGHT AT HARVARD PART 1

FOR STUDENTS ONLY AT THE HARVARD SOCH

4:15-4:45 PM

Keynote 1 – Space Sustainability and Space Debris
(Charity Weeden, Astroscale)



CHARITY WEEDEN
VP ASTROSCALE

5:00-5:30 PM

Harvard & MIT Space Faculty Panel (with Dimitar Sasselov (CfA), Martin Elvis (CfA), Jeffrey Hoffman (MIT Aero/Astro) and more)



PROF. DIMITAR SASSELOV (HARVARD CFA)
"ORIGINS OF LIFE" DIRECTOR

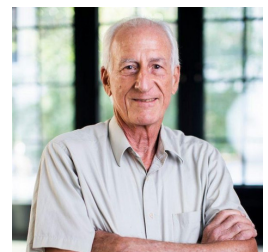


MARTIN ELVIS (CFA)
SENIOR ASTROPHYSICIST

Dr. Martin Elvis is a Senior Astrophysicist at the Harvard-Smithsonian Center for Astrophysics where he has worked on a series of space X-ray telescopes, culminating with the Chandra X-ray Observatory. Concerned about the growing expense of space telescopes, Dr. Elvis has turned to researching the astronomy needed to enable asteroid mining, hoping to cut those costs by putting capitalism to work in space. Dr. Elvis obtained his Ph.D. in X-ray astronomy in 1978 at the University of Leicester.



JEFFREY HOFFMAN
ASTRONAUT



**ROBIN WORDSWORTH (SEAS)**

GORDON MCKAY PROFESSOR OF ENVIRONMENTAL SCIENCE AND ENGINEERING AND THE PROFESSOR OF EARTH AND PLANETARY SCIENCES AT HARVARD UNIVERSITY

Robin Wordsworth is the Gordon McKay Professor of Environmental Science and Engineering and the Professor of Earth and Planetary Sciences at Harvard University. He completed his undergraduate degree at the University of Birmingham and his Ph.D. at the University of Oxford.

**PROF. JOSH GRINDLAY (HARVARD CFA)**

BLACK HOLE EXPERT

Josh Grindlay is an astrophysicist and the Robert Treat Paine Professor of Practical Astronomy at Harvard University. He earned his Ph.D. in Astrophysics from Harvard University. His research interests are in high energy astrophysics and the study of compact astronomical objects such as black holes in X-ray binaries. He is also one of the founders of the working group on time-domain astronomy of the American Astronomical Society.

**ALISSA J. HADDAJI (HARVARD CFA)**

FACULTY RESEARCHER AND LECTURER, SPACE LAW, POLICY AND ETHICS.

**DR. MERCEDES LOPEZ-MORALES (CFA)**

ASTRONOMER

**ALLYSON BIERYLA (CFA)**

ASTRONOMY LAB AND TELESCOPE MANAGER (HARVARD) & ASTRONOMER (SAO)

Allyson Bieryla manages the Astronomy Lab and Telescope at the Science Center which is used for undergraduate teaching. She also runs the Harvard Observing Project (HOP) which is designed to give students opportunities in observational astronomy. Bieryla's research interest is in observational astronomy with a specific interest in the detection and characterization of exoplanets. Bieryla received a BA from the University of Colorado Boulder and an MA from the Harvard Extension School.

**GERHARD SONNERT (CFA)**

SOCIOLOGIST OF SCIENCE

Gerhard Sonnert is a sociologist of science. He is a Research Associate and Lecturer at the Harvard-Smithsonian Center for Astrophysics and an Education Specialist and Lecturer on Astronomy at Harvard University. He received a doctorate in sociology from the University of Erlangen in Germany and an M.A. in public administration from Harvard University.



ERIC ROSENBACH (HKS)
LECTURER IN PUBLIC POLICY

Eric Rosenbach is Co-Director of the Harvard Kennedy School's Belfer Center for Science and International Affairs and a Kennedy School Public Policy Lecturer. Rosenbach is a former Army intelligence officer and Commander of a telecommunications intelligence unit. He was a Fulbright fellow who conducted post-graduate research on privatization programs in Eastern Europe. He has a JD from Georgetown, an MPP from Harvard Kennedy School and is a proud graduate of Davidson College.



DEBBIE DOUGLAS (MIT MUSEUM)
CURATOR OF SCIENCE AND TECHNOLOGY

Deborah G. Douglas is Curator of Science and Technology at the MIT Museum. She received her A.B. in history from Wellesley College and holds A.M. and Ph.D. degrees in the History and Sociology of Science from the University of Pennsylvania.



ARIEL AKBLAW (MIT SEI)
FOUNDER AND DIRECTOR OF THE MIT SPACE EXPLORATION
INITIATIVE

Ariel Ekblaw is the founder and Director of the MIT Space Exploration Initiative. Ariel brings a humanist approach to her research at MIT, with undergraduate degrees in Physics, Mathematics, and Philosophy from Yale University, and a master's in distributed systems from the MIT Media Lab.



DR. MINOO RATHNASABAPATHY (MIT)
RESEARCH ENGINEER

5:30-6:00 PM

Private Space Sector Panel (with representatives from Lockheed Martin, Blue Origin, Astroscale, Hawkeye, Planet and Red Wire)



6:00-6:30 PM

Harvard & MIT Space Student Organizations (with representatives from STAHR, Astrosoc, HLS-SLS, HBS-AAC, MIT SEDS and more)



STUDENT ASTRONOMERS AT HARVARD-RADCLIFFE (STAHR)

WEBSITE: HCS.HARVARD.EDU/~STAHR/
EMAIL: SEDSHARVARD@GMAIL.COM



HARVARD COLLEGE ASTROPHYSICAL SOCIETY (ASTROSOC)

EMAIL: HARVARDASTROSOC@GMAIL.COM



HARVARD LAW SCHOOL SPACE LAW SOCIETY (HLS-SLS)

WEBSITE: [HTTPS://ORGS.LAW.HARVARD.EDU/SPACE/](https://ORGS.LAW.HARVARD.EDU/SPACE/)
EMAIL: SPACE@MAIL.LAW.HARVARD.EDU

The Harvard Space Law Society (HLS) is a student-run organization at Harvard Law School that seeks to promote the study, practice, and development of space law on campus. We host speakers, organize field trips, and coordinate social events to further education and enthusiasm about space law.



HARVARD BUSINESS SCHOOL AEROSPACE AND AVIATION CLUB (HBS-AAC)

EMAIL: AWEN@MBA2022.HBS.EDU; MMCLEMORE@MBA2022.HBS.EDU

The Aerospace and Aviation Club at Harvard Business School aims to support members with professional aspirations in aviation, space and aerospace as well as those with personal interests in those areas, through community building and professional networking initiatives. Throughout the year, we hold a number of speaker events with prominent leaders in aviation and aerospace, who come on campus to share their professional insights, personal stories, and advice for students considering entering these fields.



MIT SEDS

WEBSITE: [HTTPS://SEDS.MIT.EDU](https://SEDS.MIT.EDU)
EMAIL: ITORRES@MIT.EDU

Students for the Exploration and Development of Space, SEDS, at the Massachusetts Institute of Technology is the founding chapter of SEDS. The mission for MIT SEDS is to provide a community for students who have an interest in space through social events, technical projects, and outreach programs. Whether your interest is in astronomy, engineering, business, or more, MIT SEDS gives students a place to learn, grow, and most importantly, have fun doing so.

SPACE NIGHT AT HARVARD PART 2

PUBLIC EVENT AT THE CAMBRIDGE APPLE CINEMA FRESHPOND

7:00-7:20 PM

Keynote 2 – Space Sustainability and MOXIE (By Prof. Jeffrey Hoffman, MIT)



JEFFREY HOFFMAN
ASTRONAUT

7:20-7:40 PM

Keynote 3 – Space Sustainability and the ISS (Dr. Soyeon Yi, First Korean Astronaut)



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ASTRONAUT

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SOYEON YI
ASTRONAUT

7:40-8:00 PM

Q&A with Astronauts Hoffman & Yi



JEFFREY HOFFMAN
ASTRONAUT



SOYEON YI
ASTRONAUT

8:00-9:40 PM

Final Evening of the Space Film Festival: “Wall-E”



9:40 PM-12 AM

**Harvard Astronomy Open House, Night Sky Observation
and Space Week Closing Celebration**

MEET THE TEAM



ALISSA J. HADDAJI

FOUNDER/ PRESIDENT/ DIRECTOR

Prof. Alissa J. Haddaji is the founder, president and director of The Space Consortium at Harvard & MIT, and of Space Week at Harvard. She is a faculty researcher at Harvard University, where she created and teaches Harvard and Harvard Law School's first Space Law, Policy and Ethics curriculum. She also launched and teaches Boston College Law School's and Paris-Saclay University's Space Law, Policy and Ethics courses. Prof. Haddaji specializes in International Space Threat Management (Planetary Protection/Planetary Defense). In 2014, she joined the International Committee on Space Research (COSPAR) as their Planetary Protection Project Officer, before becoming in 2017, the lead coordinator of the United Nations' SMPAG Legal Working Group on Planetary Defense. In parallel to her Consortium, teaching and SMPAG work, she currently serves as the Vice-Chair of the International Astronautical Federation's Near Earth Object & Planetary Defense committee and as a United Nations Space4Women mentor. Previously to her Planetary Defense work, Prof. Haddaji was a senior researcher in space economics at Harvard Business School, a research fellow at Harvard Kennedy School and a visiting scholar at the GWU Space Policy Institute. She holds a PhD in Science and Technology Studies, and Master's Degrees in Planetary Science (spe. oceanography), History/International Relations, Political Science, Law and Socio-Anthropology, from Brown University, La Sorbonne University and Bordeaux 1 University.



SALLY O'KEEFFE

HEAD GRAPHIC AND WEB DESIGNER

Sally O'Keeffe is a Canadian artist and recent graduate of Harvard College. She graduated magna cum laude in English & Art, Film, and Visual Studies. On a visit to the Kennedy Space Center as a child, Sally met an astronaut who told her she could go on a mission to Mars when she grew up. This inspired her dream of becoming an astronaut and pursuing an education in math and science— that dream changed in high school when she realized how much she loved art and writing. She has since studied the mediums of drawing, photography, painting, sculpture, and 16 mm film. During her time at Harvard, Sally began exploring graphic and UX design and worked on prototypes for iPhone apps. Outside of the Space Consortium, Sally works as an artist and freelance graphic designer.



ERIN OLIVIERI

COMMUNICATIONS, OUTREACH, AND FUNDRAISING OFFICER

Erin joins the Space Consortium as the Communications, Outreach, and Fundraising Officer with over a decade of event planning experience, which she is excited to bring to the space industry! She graduated from Harvard College in 2020 where she studied Government and Astrophysics as a first-generation college student. Erin now works in Constituent Services at the Massachusetts State Senate and TAs for Dr. Haddaji's Space Law, Policy, and Ethics course at the Harvard Summer School. Her particular areas of interest are space debris mitigation and the international relations implications of space mining. Outside of the Consortium, Erin enjoys watching hockey, baking, and reading 1980s crime dramas.

SPONSORS



SPACE WEEK 2022 DONORS

The Space Consortium at Harvard and MIT wishes to thank Barret Schlegelmilch and Joe Landon for their precious donations which enabled the organization of a student astrophotography atelier and a dedicated Dark Sky trip during Space Week at Harvard 2022.



BARRET SCHLEGELMILCH

MIT ALUM

Barret Schlegelmilch is the Principal Program Manager and Senior Program Manager at Blue Origin. He joined the U.S. Navy after college and served as a diver and officer on nuclear submarines.

Schlegelmilch earned an MS in Aeronautical and Astronautical Engineering from MIT and an MBA from the MIT Sloan School of Management.



JOE LANDON

HBS ALUM

Joe Landon serves as Vice President of Advanced Programs Development for Lockheed Martin's Commercial Civil Space line of business. Landon graduated from Embry-Riddle Aeronautical University with a BS in Engineering Physics. He earned an MS in Aerospace Engineering from the University of Southern California and an MBA from Harvard Business School.