

Outer Planets Colloquium Series

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Outer Planets Colloquium Series

Purpose

The Outer Planets Colloquium Series is a collaboratively planned program of visits by planetary scientists to university campuses and research institutions, and is designed to raise awareness of current research in outer solar system science.

Participation is open to two- and four-year undergraduate colleges, and to research institutions throughout the United States. The Series is specially designed for host institutions that have planetary science research programs and the commitment to make the necessary local arrangements.

Benefits

Outer Planets Colloquium Series events will contribute to the host institution's academic program and intellectual environment in many different ways. Presenters are scheduled to give a research colloquium or seminar presentation primarily for the professional / academic science community. They are strongly encouraged to address the needs of the next generation of scientists (graduate students, interns, and undergraduates). They are also encouraged to give an additional, more general presentation that is free and open to the general public.

These presentations are expected to be on a range of topics, including outer planet satellite astrophysics, geology, geophysics, composition, atmospheres, spectroscopy, cryospheres, surface chemistry, tidal forces, volcanism, magnetospheres, science instrumentation, and technological advances.

Other interactions that raise awareness about outer solar system science may also be considered as part of the visit. These may include guest teaching a class, interacting informally with students and faculty, visiting local precollege campuses, or other outreach opportunities.

Program Costs

The Colloquium Series will cover the presenter's travel expenses. The host institution will *not* provide an honorarium for the speaker.

Application

To apply for an Outer Planets Colloquium Series visit, please fill out the [online request form](#). Please be sure to note your preferred presenter and range of dates. Please plan at least three months ahead. You will be notified once the application is received and processed. The schedule of activities is arranged directly by the host institution with the visiting presenter, in collaboration with the Outer Planets Colloquium Series.

“contribute to the host institution’s academic program”

“raise awareness about outer solar system science”

<http://outerplanets.jpl.nasa.gov/>

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Scientist	Title of Presentation	Outer Planets Research Interests
<p><u>Kevin Baines</u></p>  <p>Jet Propulsion Laboratory (Pasadena, CA)</p>	<p>Depths of Saturn and Jupiter Revealed by Modern Spacecraft</p>	<p>Planetary Atmospheres</p> <ul style="list-style-type: none"> • Co-Investigator, PFS and VIRTIS on Venus Express • Cassini /VIMS Science Team Member • Galileo/NIMS Co-Investigator • Galileo/NIMS Venus/Earth/Jupiter Atmospheric Science Coordinator
<p><u>Susan Benecchi</u></p>  <p>Carnegie Institution of Washington (Washington, DC)</p>	<ul style="list-style-type: none"> • Probing Our Local Dust Disk with Transneptunian Multiples • Solar System Archaeology 	<ul style="list-style-type: none"> • Kuiper Belt Binaries and Multiples • Observations of Kuiper Belt • Kuiper Belt Object Colors • Kuiper Belt Surveys
<p><u>Dr. Michael Bland</u></p> 	<ul style="list-style-type: none"> • The Tectonic and Thermal Evolution of Icy Satellites • The Geophysical Evolution of Ganymede 	<ul style="list-style-type: none"> • Use of numerical modeling to understand the geophysical evolution of icy satellites. • Modeling the deformation of ice lithospheres and the formation of satellite surface features, the thermal evolution of icy satellites, and the production of Ganymede's magnetic field.

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<i>First</i>	<i>Last</i>	<i>Location</i>
Fran	Bagenal	Colorado State University, Boulder
Kevin	Baines	JPL, Caltech
Susan	Benecchi	Carnegie Institution, Washington DC
Bonnie	Buratti	JPL, Caltech
Matthew	Burger	GSFC
Julie	Castillo	JPL, Caltech
Brad	Dalton	JPL, Caltech
Anna	DeJong	SwRI, San Antonio
Ronald	Greeley	Arizona State University, Phoenix, AZ
Murthy	Gudipati	JPL, Caltech
Kevin	Hand	JPL, Caltech
Amanda	Hendrix	JPL, Caltech
Mark	Hofstadter	JPL, Caltech
Rosaly	Lopes	JPL, Caltech
Ralph	Lorenz	APL
Melissa	McGrath	MSFC
Karl	Mitchell	JPL, Caltech
Bob	Pappalardo	JPL, Caltech
Darin	Ragozzine	Harvard-Smithsonian Center for Astrophysics
Kunio	Sayanagi	Caltech
Paul	Schenk	LPI, Houston
Britney	Schmidt	University of Texas, Austin TX
Mark	Showalter	SETI Institute, Mountain View CA
Amy	Simon-Miller	GSFC
Steve	Vance	JPL, Caltech
Ashwin	Vasaveda	JPL, Caltech
Robert	West	JPL, Caltech
Mike	Wong	Astronomy Department, UC Berkeley

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A banner for the 'Outer Planets Colloquium Series' featuring a dark space background with several planets and Saturn's rings. The text 'Outer Planets Colloquium Series' is written in a blue, stylized font with a white outline.

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Previous Talks

Ralph Lorenz

Titan Unveiled, University of Ohio, Athens

Bob West

Hazes on Titan, SETI Institute, Mountain View

Produced for YouTube as part of a SETI series

Steve Vance

Habitability of Mars, Europa, and Other Icy Worlds,

University of Arkansas, Fayetteville

Additional public lecture and NPR interview on “Ozarks at Large”

Outer Planets Colloquium Series

- A Venus Colloquium Series is underway, based on the OPCS model, and a Small Bodies Colloquium Series is in development
- New speakers are welcome, and talks are being solicited.
- Let's spread the word!

Amazing Stories, Frank. R. Paul, 1939: "Life on Europa (moon of Jupiter). This member of the solar system is only slightly [smaller] than Earth's moon. Science knows little about it, and thus, lacking conclusive observation, our artist pictures life in an imaginative style..."

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