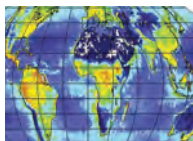
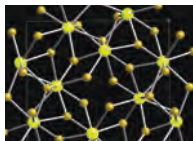
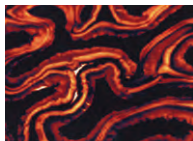




Carnegie Capital Science Evenings

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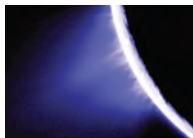
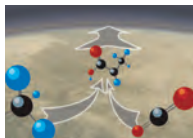
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Thursday | October 16, 2008 | 6:45 PM

Simon Levin

Princeton University, Department of Ecology and Evolutionary Biology, Center for BioComplexity

Cooperation and Collective Behavior, from Bacteria to the Global Commons

A sustainable future for humanity will require finding a way to share our complex environment. Learn about the evolution of cooperation in non-human populations, and what must change in our own behaviors if we are to have a common future.



Wednesday | November 12, 2008 | 6:45 PM

Susan Kieffer

University of Illinois at Urbana-Champaign, Center for Advanced Studies, Department of Geology

Geysers of the Solar System

What would Old Faithful look like if it erupted on Io, the hot moon of Jupiter, or on Enceladus, the frigid moon of Saturn? What can the towering geysers on Io and Enceladus tell us about the interiors of these moons?



Thursday | January 29, 2009 | 6:45 PM

Steven Beckwith

*University of California, Vice President for
Research and Graduate Studies*

**The Creation of Everything:
The First 2 Billion Years**

Do you ever question the Big Bang? The Hubble Space Telescope has now looked far enough back in time to reveal the universe when it was very young and shows how different it really looked.



Thursday | February 12, 2009 | 6:45 PM

Margaret Tolbert

*University of Colorado, Department of
Chemistry and Biochemistry*

**Hazy Skies on the Early Earth:
Lessons from Saturn's Moon Titan**

Saturn's moon, Titan, is covered by a thick organic haze that completely shrouds the surface from view. Such a mysterious haze might have also been present on Earth billions of years ago. Comparing the hazes that form in these two distant lands can help us learn more about the climate and habitability of our own planet in ancient times.



Thursday | April 16, 2009 | 6:45 PM

Bonnie Bassler

*Howard Hughes Medical Institute
and Princeton University,
Department of Molecular Biology*

Cell-to-Cell Communication in Bacteria

Bacteria communicate with chemical languages that allow them to synchronize their behavior and act as enormous multi-cellular organisms. This enables bacteria to successfully infect and cause disease in plants, animals and humans. Learn how investigations of these molecular mechanisms could lead to new antibiotic therapies.

Special Events 2008-2009

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Tickets are required for the Smithsonian Resident Associates program only.

Call 202.633.3030 or visit www.ResidentAssociates.org for details.

Thursday | September 25, 2008 | 6:45 PM
Washington, D.C. Book Event



Eric Roston

*Duke University, The Nicholas Institute for Environmental Policy Solutions
Author of **The Carbon Age: How Life's Core Element Has Become Civilization's Greatest Threat***



James Gustave Speth

*Yale School of Forestry and Environmental Studies
Author of **The Bridge at the Edge of the World: Capitalism, the Environment, and Crossing from Crisis to Sustainability***

The Carbon Age: From Crisis to Stability

Science has never carried greater promise for our lives than it does today. Yet some technologies that power prosperity now show a perilous side. A distinguished science journalist and an environmental visionary grapple with these conflicting realities.

Sponsored by the Center for Global Ethics, George Mason University



Tuesday | October 28, 2008 | 6:45 PM
2008 Balzan Lecture

Enrico Bombieri

*Institute for Advanced Study,
School of Mathematics*

The Shifting Notion of Mathematical Truth

Truth in mathematics is often said to be certain and unassailable in contrast to the observational and experimental sciences where even fundamental concepts can be overturned by new data. Using examples from ancient times to the present, this lecture will explore some radically different views of how truth can shift in a mathematical context.

Sponsored by the Embassies of Italy and Switzerland



Tuesday | January 27, 2009 | 6:45 PM
Washington, D.C. Film Premiere

*A documentary film about Eric Kandel
by Petra Seeger, FilmForm Köln, 2008*

In Search of Memory

Join us for a screening of producer/director Petra Seeger's documentary film about the life and accomplishments of neuroscientist Eric Kandel, who won the Nobel Prize in 2000 for his research on how our brains create memories. Dr. Kandel and Ms. Seeger will engage in a Q&A session after the screening.

*Co-hosted by the Embassy of Austria, Office of Science and Technology,
and the Austrian Cultural Forum Washington*



Thursday | March 26, 2009 | 6:45 PM
Smithsonian Resident Associates
Program Lecture

Alan Boss

*Carnegie Institution for Science,
Department of Terrestrial Magnetism*

The Crowded Universe: The Search for Living Planets

Learn about the latest developments in the search for Earth-like planets outside the Solar System as astrophysicist Alan Boss discusses his new book, *The Crowded Universe*.

Tickets required: www.ResidentAssociates.org

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What do humans and bacteria have in common?

Was Earth once covered in a mysterious haze?

What do geysers tell us about other moons in our Solar System?

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