

The Divisions of Arts, Physical & Biological Sciences, and Social Sciences are proud to present

HUMANS AND

THE FIFTH ANNUAL UCSC CLIMATE CONFERENCE

WILD ECOSYSTEMS IN A HOT WORLD

Wednesday, March 7, 2018 at 7 p.m.
Rio Theatre 1205 Soquel Ave, Santa Cruz, CA 95062

Arts • Physical & Biological Sciences • Social Sciences



UNIVERSITY OF CALIFORNIA
SANTA CRUZ

THE FIFTH ANNUAL UCSC CLIMATE CONFERENCE

HUMANS AND WILD ECOSYSTEMS IN A HOT WORLD

The 2018 Climate Science and Policy Conference / A Cross-Divisional Collaboration

INTRODUCTION by Dean Katharyne Mitchell, Social Sciences Division

PRESENTATIONS

Scott Wing, Smithsonian Institution: *Lessons from a Very Hot Planet*

Newton Harrison, UC Santa Cruz: *The Force Majeure*

Q&A with the presenters, moderated by Dean Paul Koch,
Physical and Biological Sciences Division

SUMMARY/CONCLUSION by Dean Susan Solt, Arts Division





Scott Wing (left) is a biologist who explores evolution, ecology, and climate change at the Smithsonian National Museum of Natural History, where he is curator of fossil plants. His research focuses on the Cretaceous and early Cenozoic, a period of globally warm climate beginning 150 million years ago when flowering plants were emerging as the dominant form of terrestrial life. He has long worked to uncover the causes and effects of a sudden global warming event that occurred 56 million years ago that has many similarities to current, human-caused changes in the atmosphere and climate. His research is based largely on fieldwork and analysis of fossil plants. For the last six years, Wing has been on the core team planning the new permanent fossil hall at the Smithsonian, the largest and most complex renovation in the museum's history. The hall will reopen in 2019.

Newton Harrison (above) has been exhibiting art widely since the 1960's. He and his wife, Helen, comprise The Harrison Studio; together they have developed a worldwide network among biologists, ecologists, architects, urban planners, politicians, and other artists to initiate collaborative dialogues about ideas and solutions that support biodiversity and community development. Past projects have focused on watershed restoration, urban renewal, agriculture, and forestry issues among others. The Harrisons' visionary projects have often led to changes in governmental policy and have expanded dialogue around previously unexplored issues, leading to practical implementations throughout the United States and Europe. The Harrisons are Arts Dean's Eminent Professors at UC Santa Cruz, and lead the Center for the Study of the Force Majeure.

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Katharyne Mitchell is Dean of the Social Sciences and Professor of Sociology at the University of California, Santa Cruz. Her current research explores the role of faith-based organizations in providing humanitarian aid and refuge to migrants. Mitchell is interested in the transnational networking employed by church groups to protect asylum claimants, the policy impacts of church-based forms of activism, and the shifting meanings and practices of sanctuary. She is a recent Guggenheim Fellow and has received prior support from Spencer, MacArthur, Fulbright, and the National Science Foundation.

Paul Koch is a Distinguished Professor of Earth and Planetary Sciences and the Dean of Physical and Biological Sciences (PBSci) at the University of California, Santa Cruz. Koch is internationally known as an innovator in the use of chemistry as a forensic tool to determine the diets, habitats and physiological states of individual fossils or extant animals.

Since the 1980s, his research has explored how physical and biological factors drive extinction and evolutionary changes in vertebrate animals, both past and present. This includes the extinction of large animals at the end of the last ice age, the pulse of evolutionary and ecological change triggered by a dramatic global warming event 55 million years ago, the rise of prairie grasslands in North America, and the ecology of the transition from land to sea in whales, sea cows, and crocodiles. More recently, his work has focused on gleaning information that is useful for conservation efforts from the fossilized remains of living species, including California condors, the lemurs of Madagascar, and pinnipeds in the Pacific Ocean and Antarctica.

Susan Solt is Dean of the Arts Division and Distinguished Professor of Theater Arts at UC Santa Cruz. Solt came to the campus from the California Institute of the Arts (CalArts) School of Theater, where she was professor of theater. While at CalArts, she served as dean for eight years (1995-2003), during which she was also founding artistic director/producer of the CalArts Center for New Theater (renamed the Center for New Performance in 2006).

Prior to that, she was senior vice president of production for Miramax Films and an award-winning producer of feature films for Warner Bros., including *Presumed Innocent* starring Harrison Ford and *Doc Hollywood* with Michael J. Fox.

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TO GET INVOLVED

a partial list of local and national organizations addressing climate change



Citizen's Climate Lobby—Santa Cruz chapter citizensclimatelobby.org/chapters/CA_Santa_Cruz

Focusing on national policies to affect climate change

Ecology Action

ecoact.org

Providing innovative environmental services that improve quality of life and contribute to a sustainable economy.

Friends of Santa Cruz State Parks

www.thatsmypark.org

Sustaining the legacy of our state parks and beaches.

Santa Cruz Climate Action Network

scruzclimate.org

Working on a variety of local issues relating to reducing Climate Change.

Save Our Shores

saveourshores.org

Caring for the marine environment through ocean awareness, advocacy, and citizen action.

Save the Frogs

savethefrogs.com

Protecting amphibian populations and promoting a society that respects and appreciates nature and wildlife.

The Divisions of Arts, Physical and Biological Sciences, and Social Sciences wish to thank Fred Keeley and the UC Santa Cruz Sustainability Office for their support of the 2018 Climate Science and Policy Conference.



The program and event posters have all been printed on recycled paper. This is a Green Event.

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