Volcanic Impacts on Climate and Society (VICS)

January 12 through 14th, 2018
University of Arizona
Tucson, Arizona, USA

Tentative Schedule and Program (last updated 11 January 2018)
Friday, January 12, 2018

3:00 to 5:00pm    ENR2 S107
School of Geography and Development Colloquium
Alan Robock, Rutgers University
Climatic and Humanitarian Impacts of Nuclear War
refreshments at 3pm, talk at 3:30pm

5:00 to 8:00pm
Icebreaker
Ermanos Craft Beer & Wine Bar
220 N 4th Ave Tucson, Arizona
http://www.ermanosbrew.com/
Saturday, January 13, 2018
Laboratory of Tree-Ring Research
University of Arizona
1215 E Lowell St, Tucson, AZ 85721

9:00 to 9:30am LTRR Lobby  Registration, Coffee, and Poster Setup
Posters should remain on display until Sunday evening

9:30 to 9:45am LTRR 110  Welcome and Introductions
Dr. David Frank, Director, Laboratory of Tree-Ring Research
Dr. Marie-France Loutre, Executive Director, PAGES
Dr. Kevin Anchukaitis, Local Organizer, VICS

9:45 to 10:30am LTRR 110  Professor Clive Oppenheimer
Multiproxy evidence for the timing and consequences of two volcanic eruptions in the mid-tenth century CE

10:30 to 10:50am LTRR 110  Professor Alan Robock,  The Causes of the Little Ice Age

10:50 to 11:10am LTRR 110  Dr. Andrew Schurer,  Detecting the influence of volcanic forcing on the climate of the last millennium

11:15 to 11:45am LTRR 110  Lightning Talks: Climate, Modeling, and Geology

12:00 to 1:00pm LTRR Lobby  Lunch (Tucson Tamale)

1:15 to 2:00pm LTRR 110  Professor Payson Sheets
Can Religious Motivation be Detected in the Archaeological-Volcanological Record?

2:00 to 2:45pm LTRR 110  Dr. Karen Holmberg
The Volcano: an object of charisma and pleasure in an age of environmental anxiety (and where that leaves scientists)

3:00 to 3:30pm LTRR 110  Lightning Talks: Archaeology, Anthropology, and History

3:30 to 5:30pm LTRR Lobby  Poster Session

6:00 to 9:00pm  Happy Hour & Conference Dinner
Borderlands Brewery and Seis Kitchen Taco Truck
119 E Toole Ave, Tucson, AZ 85701
http://borderlandsbrewing.com/
SUNDAY, JANUARY 14, 2018

Laboratory of Tree-Ring Research
University of Arizona
1215 E Lowell St, Tucson, AZ 85721

9:00 to 9:45am   LTRR 110   Alexandra Witze
                 Telling Volcanic Stories: A Writer’s Perspective

9:45 to 10:00am  LTRR 110   Coffee Break

10:00 to 10:15am LTRR 110   Update on Chronology and Dating
                           Michel Sigl and others

10:15 to 10:30am LTRR 110   Update on Forcing and Modeling
                           Matthew Toohey, Allegra LeGrande and others

10:30 to 10:45am LTRR 110   Update on Historical Sources
                           Francis Ludlow and others

10:45 to 11:00am LTRR 110   Update on Reconstructions
                           Kevin Anchukaitis, Rob Wilson, Julien Emile-Geay and others

11:00 to 11:15am LTRR 110   Introduction and Discussion of Special Issue
                           and eruption-specific articles

11:15 to noon    LTRR       Eruption Working Groups, Planning
                           LTRR 110, 140, and 424 available for groups

noon to 1:00pm   LTRR Lobby Lunch (Tucson Tamale)

1:00 to 4:00pm   LTRR       Eruption Working Groups
                           LTRR 110, 140, and 424 available for groups

4:00 to 5:00pm   LTRR 110   Eruption Working Groups, Goals and Scheduling

5:30 onward      Happy Hour and Open Discussion
                           Pueblo Vida Brewing Company
                           115 E Broadway Blvd, Tucson, AZ 85701
Charlotte Pearson, *Re-thinking Thera: Bristlecone pine 14C and chronological synchronization in the mid-second millennium BC*

Sébastien Guillet, *Climatic impacts of the 1108/1109 CE volcanic eruption*

Brian Zambri, *Modeling Climate Impacts of the 1783-1784 Laki Eruption in Iceland*

Julien Emile-Geay, *The Climate Response to Explosive Volcanism in the Last Millennium Reanalysis*

Rob Wilson, *Empirical differences between recent tree-ring based reconstruction of Northern Hemisphere temperatures: Implications for studying past volcanic forcing*

Jasmine Hunter, *Pacific ENSO variability and volcanic forcing in the 13th to 15th centuries*

Andrea Burke, *High-resolution sulfur isotopes from ice cores: insights into climatic impacts of double eruptions over the past 2000 years*

Michael Sigl, *Frozen in time: an ice-core perspective on the timing of the great Kuwae eruption*

Muhammad Mubashar Ahmad Dogar, *Climatic Impacts of Tropical Eruptions on Hadley Circulation using High Resolution AGCM*

Mukund Gupta, *Ocean response to single and multiple volcanic eruptions*

Allegra LeGrande, *Volcanic Modulations on water provenance*

Mukund Rao, *Elucidating the variability in the volcanic forced climate response using a resampling approach*

Alexander Stine, *Overestimation of volcanic cooling by tree rings*

Eugene Wahl, *Late Winter Temperature Response to Large Tropical Volcanic Eruptions in Temperate Western North America: Relationship to ENSO Phases*

Onema Adojoh, *Orographic impacts on climate variability and the Great America Biota Interchange: The role of the elevation of Panamanian Isthmus during the last 5 Ma yrs.*

Celine Vidal, *Timing and characteristics of Middle Pleistocene caldera-forming eruptions in the Ethiopian Rift*
Lightning Talks: Archaeology, Anthropology, and History

Stephanie Martin, Cultural Perceptions and Social Responses to Volcanic Events: Three Eruptions of Mount Vesuvius

Stephan Ebert, “A comet appeared and a famine succeeded”. An interdisciplinary approach to the volcanic eruptions in the 930s/940s CE and their influence on European society

Tim Newfield, Sixth-Century Eruptions and Disease Landscapes

Mark Elson, Sunset Crater and Little Springs Volcano Eruptions: Managing Disasters in the 11th Century A.D. Prehistoric Southwest United State

Katrin Kleemann, Impacts of the Laki Fissure Eruption of 1783 on North America

Nicolas Maughan, Volcanic eruptions and climate-driven crises in Eighteenth-century Europe: an alternative look at the three most severe short-term cooling events of the late LIA

Francois Lanoë, Recolonization of the Northern Rocky Mountain Front after the Mount Mazama Eruption

Kelsey Hanson, Lava Flow Landscapes and Indigenous Ritual

Francis Ludlow, Volcanic Eruptions as Historical Actors in Chinese Dynastic Collapse

Jayaraju Nadimikeri, Impact of Barren Island Volcanic eruption on Climate and Society, Andaman Island, India