



## **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	<b>Registration, Coffee, and Poster Setup</b> Posters should remain on display until Sunday evening
9:30 to 9:45am	LTRR 110	<b>Welcome and Introductions</b> <i>Dr. David Frank</i> , Director, Laboratory of Tree-Ring Research <i>Dr. Marie-France Loutre</i> , Executive Director, PAGES <i>Dr. Kevin Anchukaitis</i> , Local Organizer, VICS
9:45 to 10:30am	LTRR 110	Professor Clive Oppenheimer <i>Multiproxy evidence for the timing and consequences of two volcanic eruptions in the mid-tenth century CE</i>
10:30 to 10:50am	LTRR 110	Professor Alan Robock, <i>The Causes of the Little Ice Age</i>
10:50 to 11:10am	LTRR 110	Dr. Andrew Schurer, <i>Detecting the influence of volcanic forcing on the climate of the last millennium</i>
11:15 to 11:45am	LTRR 110	Lightning Talks: <i>Climate, Modeling, and Geology</i>
12:00 to 1:00pm	LTRR Lobby	Lunch (Tucson Tamale)
1:15 to 2:00pm	LTRR 110	Professor Payson Sheets <i>Can Religious Motivation be Detected in the Archaeological-Volcanological Record?</i>
2:00 to 2:45pm	LTRR 110	Dr. Karen Holmberg <i>The Volcano: an object of charisma and pleasure in an age of environmental anxiety (and where that leaves scientists)</i>
3:00 to 3:30pm	LTRR 110	Lightning Talks: <i>Archaeology, Anthropology, and History</i>
3:30 to 5:30pm	LTRR Lobby	Poster Session
6:00 to 9:00pm		<b>Happy Hour &amp; Conference Dinner</b> Borderlands Brewery and Seis Kitchen Taco Truck 119 E Toole Ave, Tucson, AZ 85701 <a href="http://borderlandsbrewing.com/">http://borderlandsbrewing.com/</a>

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 <i>Telling Volcanic Stories: A Writer's Perspective</i>
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

LIGHTNING TALKS: *Climate, Modeling, and Geology*

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*

Franois 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*

# MAPS







