

# GEODAZE Final Detailed Schedule

## Thursday April 12<sup>th</sup>

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Registration in Santa Rita Room

8:15 – 8:30 Welcoming Remarks (Brendan Fenerty & Katherine Guns, GeoDaze co-chairs)

8:30 – 10:30 *Session I: Geochemistry (South Ballroom)*

8:30 – 8:45 **Kojo Plange** “U-Pb Geochronology and Hf isotope geochemistry of the Turtleback Complex and East Sound Group, San Juan Islands, Northwest Washington”

8:45 – 9:00 **Jordan Jensen** “Formation versus cooling: how single-crystal hematite (U-Th)/He date-grain size relationships can inform data interpretation”

9:00 – 9:15 **John He** “Isotope Geochemistry of Zircon Crystals from Eocene-Oligocene Volcaniclastic Rocks of the Pamir Plateau”

9:15 – 9:30 **Daniel Alberts** “U-Pb and Hf isotopic analysis of detrital zircons from Paleozoic and Cretaceous strata of southern Vancouver Island, B.C.”

9:30 – 9:45 **Hannah M Herrick** “Applying strontium isotope geoprovenance to anthropogenic charcoal”

9:45 – 10:00 **Anna Katharina Schuh** “Analysis, Correlation, and Implications of a well-preserved Quaternary Tephra Horizon, Banks Peninsula, New Zealand”

10:00 – 10:15 **James Campbell** “Melting under plateaus: A petrologic and geochemical study of Pliocene volcanic rocks west of Lake Titicaca”

10:15 – 10:30 **Clay Kelty** “U-Pb Zircon Geochronology of Upper and Lower Plate Rocks in Saguaro National Park East”

10:30 – 10:45 Morning Break

10:45 – 12:30 *Session II: Tectonics (South Ballroom)*

10:45 – 11:00 **Carson A. Richardson** “Superimposed episodes of Cenozoic extensional deformation in the Goshute Mountains and Toano Range, Elko County, Nevada”

11:00 – 11:15 **Christopher Clinkscales** “Structural style and timing of basement-cored uplifts in the Taihang-Luliangshan fold-belt, North China”

11:15 – 11:30 **Daniel Favorito** “Laramide shortening in the northern Galiuro Mountains, southeastern Arizona”

11:30 – 11:45 **Roy Greig** “Magmatic Evolution of the Laramide Arc & Porphyry Cu Province, SW North America”

11:45 – 12:00 **Sebastian Jimenez** “Surface uplift of the central Andes in northern Chile”

12:00 – 12:15 **Emilia Caylor** “Age and Deposition of the Fort Crittenden Formation: A Window into Laramide Tectonic History in Southern Arizona”

12:15 – 12:30 **Susana Henriquez** “Cenozoic deformation in the Puna Plateau between 22 – 24 °S, Central Andes”

12:30 – 1:30 Lunch Break

1:30 – 4:00 *Poster Session (Santa Rita Room)*

Presenters must have someone at their poster between 1:30 and 3:30

G1	Matthew Banaszynski	Neotectonic and (U-Th)/He apatite thermochronologic investigation of the Altai Mountains, northwestern China
G2	Daniel Basabe	SEDIMENTARY AND TECTONIC INTERPRETATION OF MEGASEQUENCES OF THE COLOMBIAN BASIN
G3	Anahi Carrera	Comparison of Cooling Ages from Southern Tibet and Nepal Through Low-Temperature Thermochronology: insight into the role of climate on erosion.
G4	Callyn Couture	Alteration Mineralogy and Composition of Paradox Basin Rocks
G5	Ashlee Cowles	Seismicity of the Santa Rita Fault
G6	Brant Davis	Inferring Past Fire Frequency and Environmental Conditions in East Africa Based on Charcoal Abundance from the HSPDP Lake Magadi Core
G7	Audrey Dunham	Investigation of seismicity and velocity structure of the forearc of the Cascadia Subduction Zone in Central Oregon
G8	Mikayla Gerdes	Using stable isotopes of plant leaf waxes from Sonoran Desert natives to understand plant growth, form, and process of accessing water on an annual scale
G9	Tanner Grose	Fluid Development along the Catalina-Rincon Detachment Fault at X9 Ranch
G10	Haiyang L. Kehoe	Genetic algorithm optimization applied to back-projection sub-array selection
G11	Jon Logan	Late Pliocene Paleoenvironmental Conditions In Northeastern Ethiopia as Inferred From Isotopic Analyses of Bulk Organic Matter from the Northern Awash HSPDP Sediment Cores.
G12	Nelson Gracaino Antonio Mateta	Structural Analysis of Block 3 in Lower Congo Basin, Angola, using a simultaneously integration of 3D seismic reflection data, VSP, and Well data
G13	David Moussa	A Back-Projection Analysis of the Seismicity beneath the Indian Heaven Volcanic Field, Washington State, USA
G14	Lizbeth Murillo	Bulk Carbon and Nitrogen Isotopic Analysis of the Early Pleistocene West Turkana HSPDP drill core from Northern Kenya
G15	Cynthia L. Norton	Coupling the Relationship between Management and

G16	Matt Olson & Karl Flessa Arthur Osakwe & Alex Pritika	Irrigation Dynamics in the Lower Colorado River Basin Upper and Lower, Unplugged and Plugged: Natural and Regulated Flow Regimes in the Colorado River Basin
G17		Interpreting The History of Javelina Rocks GEOPATHWAYS – A UNIVERSITY OF ARIZONA – PIMA COMMUNITY COLLEGE PARTNERSHIP AND INTERNSHIP PROGRAM FOR TRANSFER STUDENTS.
G18	Sarah Patterson Alexander Prescott	YEAR 2 Power-law spatial scaling of daily discharge statistics and frequency distributions
G19		Records of shelf exposure from southern Sumatra for the past 450,000 years
G20	Grace Windler	

End of Scientific Sessions

## Friday April 13<sup>th</sup>

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Registration in Santa Rita Room

8:15 – 9:30 *Session III: Geophysics*

8:15 – 8:30 **Jay Chapman**, “Drip-storms: Shallow Subduction and the Destruction of the Continental Mantle Lithosphere”

8:30 -8:45 **Lisa Jose**, “An analysis of the differences between GRACE and GPS estimates of displacement due to terrestrial water storage”

8:45 – 9:00 **Daniel Evan Portner** “Modeling the effects of slab holes on mantle flow and the overriding plate”

9:00 – 9:15 **Clinton Koch** “Receiver Function analysis of the Ecuadorian Orogenic System”

9:15 – 9:30 **Emily Rodriguez** “Assessing uncertainties in tomography: A bootstrapping approach applied to central South America”

9:30 – 9:45 Morning Break I

9:45 – 11:15 *Session IV: Climate Part I*

9:45 – 10:00 **Jessie Pearl** “Paleoclimate reconstructions of the northeastern United States using Atlantic white cedar tree-rings”

10:00 - 10:15 **Elizabeth Patterson** “A northern Australian coral record of seasonal rainfall and sea surface temperature (1775-1986)”

10:15 – 10:30 **Pablo Martinez Sosa** “A micro and mesocosm approach to understanding the response of brGDGTs to environmental perturbations”

10:30 – 10:45 **Garrison Loope** “Do our reconstructions of ENSO have too much low-frequency variability?”

10:45 – 11:00 **Anna Gravina** “Impacts of excess sediment discharge from hillslope deforestation on populations of ostracodes on two platforms in Lake Tanganyika, Tanzania”

11:00 – 11:15 **Zachary Williams** “Scale-dependent controls on the spatial structure of discontinuous arid rivers”

11:15 – 11:30 Morning Break II

*11:30 – 12:30 Session V: Climate Part II*

11:30 – 11:45 **Jessie McCraw** “History of ENSO in the Galapagos in the 16th century using fossil coral geochemistry”

11:45 – 12:00 **Stephanie Kukolich** “Stable isotope ratios in freshwater mussel shells as high-resolution recorders of riverine environmental variation”

12:00 – 12:15 **Jonathan King** “Testing a Speleothem Trace-Element Record for Climate Signals”

12:15 – 12:30 **Gloria Jimenez** “A preindustrial to present record of SST from Darwin Island, Galápagos”

12:30 – 2:30 Lunch Break

2:30 – 3:30 Keynote Lecture: **Isabel Montañez** “Deep-Time insight into Earth’s Future”

3:30 – 4:30 Awards Ceremony

End of Conference