

# Media Tip Sheet

## Selected presentations by date

Brought to you by the AGU Media Relations Team

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Monday, December 7, 2020</b>		
4:00:00	<a href="#">High-Resolution Detection and Attribution for Extreme Precipitation over the Contiguous United States</a>	Poster
	Climate	Poster
	<a href="#">How Does Whole-Ecosystem Warming Alter Plant Fine-Root and Fungal Mycelium Dynamics in a Boreal Peat Bog?</a>	Poster
	Climate	Poster
	<a href="#">Investigating Significance of Aerosols in Determining Coronavirus Fatality Rate Among Three European Countries</a>	Poster
	COVID-19	Poster
	<a href="#">Observation of COVID-19's Impact on PM2.5 Concentration as a Result of Independence Day Fireworks</a>	Poster
	COVID-19	Poster
	<a href="#">Interaction between COVID-19 and natural disasters: results from an agent-based epidemiology model</a>	Poster
	COVID-19	Poster
	<a href="#">Sonification and Machine Learning Contribute to a Novel Assay of Bacterial Swimming Dynamics</a>	Oral
	Earth's History, Interior and Life	Oral
	<a href="#">Exploring the transition from prebiotic chemistry to biology using molecular assembly theory</a>	Oral
	Earth's History, Interior and Life	Oral
	<a href="#">Diel Patterns of Bocaccio Rockfish Communication</a>	Poster
	Earth's History, Interior and Life	Poster
	<a href="#">Did agriculture beget agriculture during the past several millennia?</a>	Poster
	Earth's History, Interior and Life	Poster
	<a href="#">North Carolina's Seneca Guns: the Myth and Observation</a>	Poster
	Earth's History, Interior and Life	Poster
	<a href="#">Autonomous Vibrational Analysis and Insect Behavioral Manipulation With Pied Piper</a>	Poster
	Earth's History, Interior and Life	Poster
	<a href="#">Assessing the Utility of Historic NASA Imaging Spectroscopy Data to Detect Plant Disease in California Vineyards</a>	Poster
	Environmental Health	Poster
	<a href="#">Sources and Spatiotemporal Patterns of Anthropogenic Infrasound in Urban Areas</a>	Poster
	Human Impacts and Environmental Justice	Poster
	<a href="#">We Will Rock You: Noisy and Quiet Times Around the Michigan Stadium</a>	Poster
	Human Impacts and Environmental Justice	Poster

**Monday, December 7, 2020**

	<a href="#">Bushmeat hunting reduces transport of key nutrients in Amazonia</a>		
4:00:00	Human Impacts and Environmental Justice		Poster
	<a href="#">Arctic tsunami as an emerging threat for circumpolar coastal landscapes and communities- insight into Karrat Fjord 2017 tsunami wave impacts on Nuugaatsiaq settlement, western Greenland</a>		
	Natural Hazards		Oral
	<a href="#">Preliminary Crustal GMPE for Puerto Rico after the 2020 SWPR Seismic Sequence</a>		
	Natural Hazards		Poster
	<a href="#">Post-Disturbance Biomass Recovery in California's Forests</a>		
	Natural Hazards		Poster
	<a href="#">Opportunities for Observations in Support of Indigenous Food Systems in the Coastal Alaskan Walrus Ecosystem</a>		
	Polar Science and Glaciers		Poster
	<a href="#">Exploring Stability of Greenland's Peripheral Marine-Terminating Glaciers through Analysis of Automated Terminus Position Timeseries</a>		
	Polar Science and Glaciers		Poster
	<a href="#">A New Global Topographic Map of Enceladus: Polar Signatures and Large Basin Distributions</a>		
	Space, Space Weather and Planetary Science		Oral
	<a href="#">On the Taxonomy of Exoplanets using Transmission Color Analysis</a>		
	Space, Space Weather and Planetary Science		Poster
	<a href="#">A New Model for the Origin of Chlorine on Enceladus</a>		
	Space, Space Weather and Planetary Science		Poster
	<a href="#">MISSIONS NEED MAPS: TOWARDS A GLOBAL CRATER DATABASE FOR MARS AND THE MOON AT ULTIMATE RESOLUTION.</a>		
	Space, Space Weather and Planetary Science		Poster
	<a href="#">Methane emissions from coal mining are growing</a>		
5:30:00	Climate		eLightning
	<a href="#">The association between slot-filling injections and subauroral (STEVE) emissions</a>		
	Space, Space Weather and Planetary Science		Oral
	<a href="#">Air Quality and Climate Impacts of United States Nuclear Power Plant Closures</a>		
7:00:00	Environmental Health		eLightning
	<a href="#">"Godzilla" African Dust Event of June 2020: Impacts of Air Quality in the Greater Caribbean Basin, the Gulf of Mexico and the United States</a>		
	Environmental Health		Oral
	<a href="#">A SARS-CoV-2-Containing Aerosol Settling Time Model Supports the Significant Role of Indirect Airborne Transmission</a>		
10:30:00	COVID-19		eLightning

**Monday, December 7, 2020**[Could road constructions be more disastrous than an earthquake in terms of landsliding?](#)

10:30:00

Human Impacts and Environmental Justice

eLightning

[The Largest Gravity Changes Ever Recorded: Continuous Gravity Monitoring of the Onset of Kīlauea's 2018 Eruption](#)

16:00:00

Natural Hazards

Oral

[Evidence of Ionospheric Perturbations from a Buried Chemical Explosion Captured Using High-Rate GNSS Measurements](#)

19:00:00

Human Impacts and Environmental Justice

Oral

[Increasing evaporation losses from global lakes between 1984 and 2018](#)

Polar Science and Glaciers

Oral

**Tuesday, December 8, 2020**[Rain-on-snow events can lead to an intensification of late summer hydrological drought in Great Lakes watersheds](#)

4:00:00

Climate

Oral

[Assessing the Viability of Forecast-Informed Reservoir Operations \(FIRO\) in Western U.S. Reservoirs Where Atmospheric Rivers Are Key to Both Water Supply and Flooding: Summary, Lessons Learned, and Broader Implications](#)

Climate

Poster

[More Weather or More Water: What is Driving Increases in Extreme Precipitation?](#)

Climate

Poster

[Observations and climate models confirm extreme precipitation events are happening more often and the magnitude increases significantly](#)

Climate

Poster

[Making Climate Action Count: Lessons learnt from engendering communities' resilience across East Africa vulnerable populations and landscapes](#)

Climate

Poster

[Associations among topography, snowmelt, and plant green-up phenology, revealed through a time-lapse camera network](#)

Climate

Poster

[Measurements of Volatile Organic Compounds in Boulder, Colorado, During the COVID-19 Lockdown](#)

COVID-19

Poster

[COVID-19 impacts on snow albedo in the Indus River Basin](#)

COVID-19

Poster

[Aerosols Reduction during the COVID-19 Pandemic Substantially Increased Diurnal Temperature Range in China](#)

COVID-19

Poster

**Tuesday, December 8, 2020**

Session Start (Pacific Standard Time)	Topic	Session Type
4:00:00	<a href="#">The Dynamics of Covid-19: Weather, Demographics and Infection Timeline</a> COVID-19	Poster
	<a href="#">Investigating the Possible Role of Chitin Deposition in the Shuram-Wonoka <math>\delta^{13}\text{C}</math> Excursion</a> Earth's History, Interior and Life	Poster
	<a href="#">Mini Ozone Holes Due to Dust Release of Iodine in the Remote Tropical Free Troposphere</a> Environmental Health	Oral
	<a href="#">Combing Remotely Sensed Data and Health Surveys to Investigate Food Insecurity and Women's Reproductive Health in West Africa</a> Environmental Health	Poster
	<a href="#">Understanding and Responding to Global Health Security Risks from Microbial Threats in the Arctic</a> Environmental Health	Poster
	<a href="#">Global Land-Use Change, Biomass and Greenhouse Gas Emissions for Producing Plant- and Animal-based Human Food</a> Human Impacts and Environmental Justice	Poster
	<a href="#">Local Adaptation and Unintended Coastal Vulnerability</a> Human Impacts and Environmental Justice	Poster
	<a href="#">Not All Disasters Are Created Equal: Evaluating Differences in Fire and Hurricane Media Coverage</a> Natural Hazards	eLightning
	<a href="#">Design and initial testing of instrumented particles for rock-fall dynamics monitoring</a> Natural Hazards	Poster
	<a href="#">Using Lightning Data in the Quest for Real-time Detection of Wild Fires Using the ABI Instrument Onboard GOES-16</a> Natural Hazards	Poster
	<a href="#">Democratizing Safety During an Earthquake: Multi-Disciplinary Spatial Optimization for Defining Evacuation Centers with Fair Access in L.A. County</a> Natural Hazards	Poster
	<a href="#">Wildfire response to changing daily temperature extremes in California's Sierra Nevada</a> Natural Hazards	Poster
	<a href="#">HAWAIIAN FOUNTAINING: CHANGING SIZE AND SHAPE OF FALLING BOMBS</a> Natural Hazards	Poster
	<a href="#">Recent temperature change on the Juneau Icefield, Alaska.</a> Polar Science and Glaciers	Poster
5:30:00	<a href="#">Narratives of Conflict and Resilience: Understanding Structural Violence in an Arctic Community Facing Climate Change</a> Human Impacts and Environmental Justice	Oral

**Tuesday, December 8, 2020**

[Battling COVID-19 from Space: Cross-Scale Changes in Urban Activity Captured by NASA's Black Marble Product Suite](#)

7:00:00 COVID-19 Oral

[Effects of drought-intensified tree mortality on wildfire behavior in Sierra Nevada forests](#)

Natural Hazards Oral

[Geospatial Analysis of Wildfire Coverage in Newspapers across the USA](#)

Natural Hazards Oral

[Permafrost region disturbances in space and time: a pan-arctic perspective](#)

Polar Science and Glaciers Oral

[Survival of the Deepest? Peat Depth as a Control on Peatland Hydraulic Structure and Pore-water Residence Time](#)

10:30:00 Climate eLightning

[Lightning Observations of the Taal Eruption](#)

Natural Hazards Oral

[Australian wildfires caused a major perturbation of the stratosphere and generate a smoke-charged vortex rising up to 35 km as inferred from satellite observations](#)

Natural Hazards Oral

[Weather, snow and ice: Hydrological and landscape changes in the Canadian Rockies headwaters](#)

Polar Science and Glaciers Oral

[Examining the role of Fe-cycling in microbial mat lithification and stromatolite abundance through Earth history](#)

16:00:00 Earth's History, Interior and Life Oral

[The Effect of Continental Location on Climate of Synchronously Rotating Exoplanets](#)

17:30:00 Space, Space Weather and Planetary Science Oral

[Environmental factors and COVID-19: preliminary findings from China](#)

19:00:00 COVID-19 Oral

[Climate adaptation: What worked and what did not. A 200-year record from 18th and 19th century British Administrative documents pertaining to semi-arid regions of peninsular India](#)

20:30:00 Climate Oral

[The 2020 Edenville and Sanford, MI Dam Failures: Geomorphic Change in Response to Catastrophic Flooding](#)

Human Impacts and Environmental Justice Oral

[The unequal distribution of natural resources: why geology matters](#)

Human Impacts and Environmental Justice Oral

**Wednesday, December 9, 2020**

Wednesday, December 9, 2020

4:00:00	<a href="#">Hydrate Bodies Big Enough to Look Like Allochthonous Salt in the Mexican Ridges, Gulf of Mexico</a>	Climate	Poster
	<a href="#">Projected potential fish distribution under climate change in a heavily regulated, fragmented river system</a>	Climate	Poster
	<a href="#">Aquatic Ecosystems are the Most Uncertain but Potentially Largest Source of Methane on Earth</a>	Climate	Poster
	<a href="#">Decreases in 2020 carbon dioxide growth due to the Coronavirus pandemic observed from space</a>	COVID-19	Oral
	<a href="#">Airborne Measurements of Aerosols and Trace Gases over Europe during the COVID-19 Lockdown Phase</a>	COVID-19	Oral
	<a href="#">Impact of COVID-19 state-wide stay-at-home phase on the PM2.5 mass concentrations in Los Angeles Basin using the Purple Air low cost sensor network</a>	COVID-19	Poster
	<a href="#">Lockdown due to COVID-19: An opportunity to understand influence of anthropogenic activities</a>	COVID-19	Poster
	<a href="#">Disproportionate Impacts of the COVID-19 Economic Slowdown on Air Pollution in the U.S.</a>	COVID-19	Poster
	<a href="#">COVID-19 Shutdown Reveals Patterns of Environmental Injustice in Minnesota</a>	COVID-19	Poster
	<a href="#">Indoor Air Quality Resulting from Increased Usage of Household Cleaning Products during COVID-19</a>	COVID-19	Poster
	<a href="#">Investigating the Potential Causes of the Significant Decrease in the Lower-Tropospheric Baseline O3 at the U.S. West Coast During COVID-19 Pandemic</a>	COVID-19	Poster
	<a href="#">Inner Core Rotation Captured by Earthquake Doublets and Twin Stations</a>	Earth's History, Interior and Life	Poster
	<a href="#">Volcano-induced ENSO occurrences: an integrated assessment using targeted paleoclimate data assimilation experiments.</a>	Earth's History, Interior and Life	Poster
	<a href="#">A hot early Earth? Assessing Archean and Proterozoic temperature history under different geological constraints.</a>	Earth's History, Interior and Life	Poster
	<a href="#">Water-induced Diamond Formation at the Earth's Core-Mantle Boundary</a>	Earth's History, Interior and Life	Poster

**Wednesday, December 9, 2020**

Session Start (Pacific Standard Time)	Topic	Session Type
4:00:00	<a href="#">Holocene Regional Ice History of Southwest Greenland: Driver of Viking Out-Migration?</a> Earth's History, Interior and Life	Poster
	<a href="#">Climate Change Increases Trapped Populations: When Migration Cannot Be Used as an Adaptation Solution</a> Human Impacts and Environmental Justice	Oral
	<a href="#">Increasing trend in atmosphere helium from 1975 to 2020</a> Human Impacts and Environmental Justice	Poster
	<a href="#">Modeling and Sharing UNSDG Indicator Data for Poverty, Food, Water, and Energy in Relation to Climate Change</a> Human Impacts and Environmental Justice	Poster
	<a href="#">Heavy Metal(loid) Contamination of Medicinal Plants: Implications for Public Health of Indigenous People.</a> Human Impacts and Environmental Justice	Poster
	<a href="#">Identification of earthquakes and anthropogenic events around the southern Great Lakes</a> Natural Hazards	Poster
	<a href="#">Education and Healthcare Networks Resilience as a Social Stability Index</a> Natural Hazards	Poster
	<a href="#">How Alaska's Barry Arm Can Help Us Prepare for Climate Change Hazards</a> Natural Hazards	Poster
	<a href="#">Glacier Hazards in the Himalaya-Karakoram</a> Polar Science and Glaciers	Poster
	<a href="#">Assessing Rock Wall Permafrost Changes in Colorado's Front Range and Their Implications for Rock Fall</a> Polar Science and Glaciers	Poster
	<a href="#">Illusory Stability of Marine-Terminating Glaciers at Bedrock Peaks</a> Polar Science and Glaciers	Poster
	<a href="#">Basal Conditions Underneath Thwaites Glacier Using Ice Penetrating Radar</a> Polar Science and Glaciers	Poster
	<a href="#">Mapping the Distribution and Global Budget of Impact-Derived Sediment on Venus</a> Space, Space Weather and Planetary Science	Poster
5:30:00	<a href="#">Indubitable and Dubious Climate Induced Migrations: An examination of the narratives, and key historical determinants</a> Climate	Oral
	<a href="#">Impact of COVID19 on Disease Surveillance and Reporting</a> COVID-19	eLightning

**Wednesday, December 9, 2020**

[Agricultural stability explains the location choices of internally displaced people \(IDPs\) during the Syrian Civil War](#)

5:30:00

Human Impacts and Environmental Justice

Oral

[Mapping landscapes of the displaced: Automating land cover change detection with multi-sensor satellite time series at internally displaced people \(IDPs\) settlements in Ethiopia](#)

Human Impacts and Environmental Justice

Oral

[Disentangling the drivers of regional migration in West Africa: The impact of food \(in\)security on migration](#)

Human Impacts and Environmental Justice

Oral

[A Glacial Origin for the Extensive, Linear Inverted Features Within Gale Crater](#)

Space, Space Weather and Planetary Science

eLightning

[The Combined Impact of Heat-Humidity Extremes on Mortality Risks in Major Cities in the Sun Belt of the United States](#)

7:00:00

Environmental Health

eLightning

[Severe weather-related deaths, stress, and incidence of cardiovascular ailments in U.S. community-based samples after Hurricanes Harvey, Irma, and Michael](#)

Environmental Health

eLightning

[New records of historical tsunamis obtained from Costa Rican newspapers](#)

Natural Hazards

Oral

[Unexpected enhancement of saltation at Martian-like pressures](#)

Space, Space Weather and Planetary Science

Oral

[Tesserae on Venus may preserve evidence of fluvial erosion](#)

Space, Space Weather and Planetary Science

Oral

[A Plan For Detecting Evidence of Hadean Life](#)

16:00:00

Earth's History, Interior and Life

Oral

[Ikaagvik Sikukun: Bridging the Scientific and Indigenous Communities to Study Sea Ice Change in Arctic Alaska](#)

Polar Science and Glaciers

Oral

[Indian Pipelines: science-based expertise as tools of liberation and oppression in Native America](#)

17:30:00

Human Impacts and Environmental Justice

Oral

[High-speed video observations of space stems and leaders in natural negative cloud-to-ground lightning](#)

Space, Space Weather and Planetary Science

eLightning

[High-speed video observations of a +CG flash caused by a sequence of bidirectional leaders forming a ground-reaching branch of pre-existing in-cloud channel](#)

Space, Space Weather and Planetary Science

eLightning

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Wednesday, December 9, 2020</b>		
	<a href="#">Collision of downward negative leader branches: Why does this happen?</a>	
17:30:00	Space, Space Weather and Planetary Science	eLightning
	<a href="#">Ozone Changes Over the United States Due to COVID-19</a>	
19:00:00	COVID-19	Oral
	<a href="#">Physical Records of Ocean Acidification in the Geological Record</a>	
	Earth's History, Interior and Life	Oral
	<a href="#">CO2 Concentrations Reduction Influenced by Traffic in Beijing due to COVID-19</a>	
20:30:00	COVID-19	Oral
	<a href="#">NOx reductions during COVID-19: Has ozone chemistry in the Los Angeles area become NOx-limited?</a>	
	COVID-19	Oral
	<a href="#">Quantifying succession and ecosystem service recovery in California's altered wildfire regime</a>	
	Natural Hazards	Oral
<b>Thursday, December 10, 2020</b>		
	<a href="#">Exploration of Global Spatiotemporal Changes of Fall Foliage Coloration in Deciduous Forests and Shrubs Using VIIRS Phenology Product</a>	
4:00:00	Climate	Poster
	<a href="#">Fabrication of Reactive Rocks with 3D Printing</a>	
	Climate	Poster
	<a href="#">Atmospheric rivers in the PETM: Importance for cool season precipitation</a>	
	Climate	Poster
	<a href="#">Effect of COVID-19 state-wide stay-at-home phase on the ambient Volatile Organic Compound concentrations in Southern California communities.</a>	
	COVID-19	Poster
	<a href="#">Impacts of Coronavirus-driven Reduction in Aerosols on Precipitation in the Western United States</a>	
	COVID-19	Poster
	<a href="#">Impact of Air Traffic Reductions during the COVID-19 Pandemic on Aircraft-induced Clouds and their Radiative Effects</a>	
	COVID-19	Poster
	<a href="#">The effect of COVID-19 on sales revenue in Seoul, South Korea: A Spatial Panel Approach</a>	
	COVID-19	Poster
	<a href="#">Impact of COVID-19 Global Shutdown on Earth's Radiation Budget</a>	
	COVID-19	Poster
	<a href="#">Rise of the Colorado Plateau and Southern Rocky Mountain Region: A Synthesis of Paleoelevation Constraints and a Path Forward Using Temperature-Based Elevation Proxies</a>	
	Earth's History, Interior and Life	Oral

Thursday, December 10, 2020

[New Discovery of Pliocene Tidal Deposits Near the Crest of the Central Baja California Peninsula: A Key Constraint on Vertical Crustal Motions and Genetic Divergence](#)

4:00:00

Earth's History, Interior and Life

Oral

[Magma Storage System and Hidden Hotspot Track of the Emeishan Large Igneous Province and its Impact on the Unusual Timing of the Capitanian Mass Extinction](#)

Earth's History, Interior and Life

Poster

[Can the Cenozoic marine micropaleontological record be used to predict extinction?](#)

Earth's History, Interior and Life

Poster

[A Quantitative Paleoclimatic History of the Southern Great Basin Since the Middle Miocene](#)

Earth's History, Interior and Life

Poster

[Fire response to changes in hydroclimate and vegetation in Pleistocene East Africa](#)

Earth's History, Interior and Life

Poster

[East African Climate Variability Through a Major Faunal Transition at 550 to 250 ka: Preliminary Evidence from Organic Geochemical Proxies](#)

Earth's History, Interior and Life

Poster

[A New Insight of the Sahara Formation and Paleoclimate Evidence](#)

Earth's History, Interior and Life

Poster

[Mercury exposure in fish from US national parks](#)

Environmental Health

Poster

[Marine wild-capture fisheries after nuclear war](#)

Human Impacts and Environmental Justice

Poster

[U-turn Needed to Feed 10 Billion People Within Planetary Boundaries: Insights from a Global Model-based Assessment](#)

Human Impacts and Environmental Justice

Poster

[Charting Justice for Refugee Relocation Under Extreme Climate Change](#)

Human Impacts and Environmental Justice

Poster

[Burnt Dinner: Greenhouse Gas and VOC Emissions from Swine Carcass Open-Pit Burning Disposal Method](#)

Human Impacts and Environmental Justice

Poster

[Alternative methods for reducing sediment delivery from skid trails used for post-fire logging](#)

Human Impacts and Environmental Justice

Poster

[Repeated wildfires in a Sierra Nevada watershed cause limited post-fire erosion](#)

Natural Hazards

Oral

[Controls on Post-fire Debris Flow Grain Sizes Across the Intermountain West](#)

Natural Hazards

Poster

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Thursday, December 10, 2020</b>		
	<a href="#">A Conceptual Framework for Emergency Food and Water Requirements in a Disaster and Case Study for the HayWired Earthquake Scenario</a>	
4:00:00	Natural Hazards	Poster
	<a href="#">An Experimental Model of Unconfined Bubbly Lava Flows</a>	
	Natural Hazards	Poster
	<a href="#">Thermal Forcing of Near-Surface Temperatures by Martian Water Ice Clouds</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Asteroid Thermal Evolution with Fragmentation and Reassembly into a Rubble Pile</a>	
	Space, Space Weather and Planetary Science	Poster
5:30:00	<a href="#">Listening for a Landing: the seismic detectability of Mars 2020's arrival by the InSight lander</a>	eLightning
7:00:00	<a href="#">Minimal Climate Impacts from Short-lived Climate Forcers Following Emission Reductions Related to the COVID-19 Pandemic.</a>	Oral
	<a href="#">PFAS Distribution in Contaminated Soils and Impact on Rhizosphere and Plant Microbiota</a>	
	Environmental Health	Oral
	<a href="#">Heat and Health: Using physiological evidence to build resilience to a warming planet</a>	
	Environmental Health	Oral
	<a href="#">New HiRISE Observations of Gale Crater Rim Surfaces – Evidence for Glacial Processes</a>	
	Space, Space Weather and Planetary Science	eLightning
10:30:00	<a href="#">Assessing COVID-19 environmental impacts through remote sensing</a>	Oral
	<a href="#">Animal Occurrence Probability and Power Outage Risk in ISO New England</a>	
	Earth's History, Interior and Life	Oral
	<a href="#">Dissecting a Zombie: Shallow Volcanic Structure Revealed by Multiple Geophysical Data Sets at Uturuncu Volcano, Bolivia</a>	
	Natural Hazards	Oral
16:00:00	<a href="#">Squids, Snails, and Shellfish: How Oxygen Affected Molluscan Body Size in the Ordovician</a>	Poster
	<a href="#">Tsunami hazard in Cascadia from M7--9 earthquakes: Most hazardous segments of the rupture</a>	
	Natural Hazards	Oral
17:30:00	<a href="#">Changes in Fire Potential and Extreme Downslope Winds in California under Global Warming Projections of 1.5 °C, 2.0 °C, and 3 °C</a>	Oral

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Thursday, December 10, 2020</b>		
	<a href="#">How Safe are United States Public Water Supply Systems?</a>	
20:30:00	Environmental Health	Oral
<b>Friday, December 11, 2020</b>		
	<a href="#">Integrating in situ and satellite-based observations to unravel a mass mortality event of mussel beds in Patagonia, Argentina</a>	
4:00:00	Climate	Poster
	<a href="#">Northern Great Barrier Reef coral documents seasonal ocean temperature, salinity, productivity and runoff from the last 250 years</a>	
	Climate	Poster
	<a href="#">Multidecadal trends and interactions in land disturbance regimes across California from time series remote sensing</a>	
	Climate	Poster
	<a href="#">Maximum latewood density records of Great Basin Bristlecone pine (Pinus Longaeva) in the White Mountains, California</a>	
	Climate	Poster
	<a href="#">Tree Rings Reveal Multi-century Snowpack Dynamics of the Cascade Range, USA</a>	
	Climate	Poster
	<a href="#">An inter-comparison of tourism climate indices in the Southern United States: A national park case study</a>	
	Climate	Poster
	<a href="#">Warmer and More Volatile: Summertime Temperature Variance Increases Under Climate Change</a>	
	Climate	Poster
	<a href="#">Lessons from Small Businesses for Natural Disaster Resilience Planning and Recovery During the COVID-19 Pandemic</a>	
	COVID-19	Oral
	<a href="#">Assessing The Expansion of Beaver in Northeastern Coastal Watersheds Using High-Resolution Remotely-Sensed Data and the Implications for Biogeochemical Fluxes</a>	
	Earth's History, Interior and Life	Poster
	<a href="#">Morphology of a new system of glaciovolcanic caves—Mount St. Helens, Washington, USA</a>	
	Earth's History, Interior and Life	Poster
	<a href="#">Abrupt climate change, hurricanes, and the rise and fall of a Taíno village</a>	
	Earth's History, Interior and Life	Poster
	<a href="#">Another Surprising Turn in the Global Emission of CFC-11</a>	
	Environmental Health	Oral
	<a href="#">Deriving a global infant mortality pollution response curve for developing countries</a>	
	Environmental Health	Poster

Friday, December 11, 2020

Session Start (Pacific Standard Time)	Topic	Session Type
4:00:00	<a href="#">Risky development: increasing exposure to natural hazards in the United States</a> Natural Hazards	Poster
	<a href="#">Extreme Discharges and Thresholds of Boulder Mobility in Steep Mountainous Streams on Maui, Hawai'i</a> Natural Hazards	Poster
	<a href="#">Spatial Analysis of Volcanic Lightning within Eruption Clouds</a> Natural Hazards	Poster
	<a href="#">Spatiotemporal Evolution of Microseismicity and Repeating Earthquakes in Haiti</a> Natural Hazards	Poster
	<a href="#">Exploring of the conditions leading to volcanic lightning: Results of a field study at Sakurajima volcano, Japan</a> Natural Hazards	Poster
	<a href="#">Sea Ice Deformation at MOSAiC</a> Polar Science and Glaciers	Oral
	<a href="#">Ancient DNA in lake sediment reveals High Arctic greening during the Last Interglacial</a> Polar Science and Glaciers	Oral
	<a href="#">Climate and Environmental Changes and its Impact on the Scythian Frozen Toms of the Altai Mountains, South Siberia, Russia.</a> Polar Science and Glaciers	Poster
	<a href="#">Impact of permafrost factor in ecological disasters due to spills of fuel and lubricants in the cryolithozone (with Norilsk region as an example)</a> Polar Science and Glaciers	Poster
	<a href="#">A numerical study of magmatism and mantle convection in Mars: Implications for its crust, surface environment, and magnetic field</a> Space, Space Weather and Planetary Science	Oral
5:30:00	<a href="#">The return of the Eastern European carbon sink</a> Climate	Oral
	<a href="#">Identification of Opportunities for International Cooperation over Proposed Series of Large Freshwater Reservoirs to Capture the Melting Glaciers in the Hindu Kush Himalayan (HKH) mountains</a> Human Impacts and Environmental Justice	eLightning
	<a href="#">Properties of Change: Politics and Land Ownership in Northern Alaskan Social-Environmental Systems</a> Human Impacts and Environmental Justice	Oral
	<a href="#">Volcanic hazard from Late Pleistocene-Holocene monogenetic volcanism around the capital city of Kamchatka, Russia</a> Natural Hazards	Oral

**Friday, December 11, 2020**[Fugitive methane from abandoned oil and gas infrastructure](#)

7:00:00

Climate

Oral

[Methane and Nitrogen Oxides Emissions from the Offshore Oil and Gas Supply Chain in the U.S. Gulf of Mexico](#)

Climate

Oral

[Using long-term satellite image records to map swine concentrated animal feeding operations and estimate their historical impact on nutrient inputs in the NC Coastal Plain](#)

Human Impacts and Environmental Justice

Oral

[Chaos Blocks on Europa: An Analysis of Orientation and Size Distributions](#)

Space, Space Weather and Planetary Science

eLightning

[Climate Sensitivity Increases Under Higher CO2 Levels Due to Feedback Temperature Dependence](#)

10:30:00

Climate

Oral

[Air Quality Assessment in São Paulo, Brazil during Covid-19 pandemic: links between isolation rates and pollutants](#)

16:00:00

COVID-19

eLightning

[Ecoacoustic recordings capture animal population and community changes over time](#)

Earth's History, Interior and Life

Oral

[Salty seas and sharks from space: Combining satellite remote sensing and in situ data sets to understand elasmobranch movement ecology in relation to ocean salinity and other sea changes](#)

Earth's History, Interior and Life

Oral

[Cardiorespiratory health impacts of wildfire smoke in Alaska](#)

Environmental Health

eLightning

[The Silent Sounds of Tornadoes and Their Potential Fluid Mechanism](#)

17:30:00

Natural Hazards

Oral

[The role of soil moisture in promoting atmospheric ridges that cause flash droughts in the central U.S. since 1500 and implications for a warming world](#)

19:00:00

Climate

Oral

[Regional shifts in paleohurricane activity over the past 1500 years reconstructed from blue hole sediment records in the Bahama Archipelago](#)

Climate

Oral

[Concentration of Global Fishing Effort with Climate Change](#)

20:30:00

Climate

Oral

**Monday, December 14, 2020**[Connections of climate change and variability to the 2019/20 Black Summer megafires in southeast Australia](#)

4:00:00

Climate

Oral

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Monday, December 14, 2020</b>		
	<a href="#">Controlling Factors of Global Heat-Humidity Extremes</a>	
4:00:00	Climate	Oral
	<a href="#">Future changes in the Frequency of Winter Snowstorms over North America.</a>	
	Climate	Poster
	<a href="#">Toward a discrimination between anthropogenic and natural nanoparticles of atmospheric origin entrapped in ancient glacier ice</a>	
	Climate	Poster
	<a href="#">Can tidal-stream turbines power the Blue Economy?</a>	
	Climate	Poster
	<a href="#">Projected Changes of Wintertime Extra-tropical Storm Activity over North America in the 21st Century</a>	
	Climate	Poster
	<a href="#">COVID-19 TRANSMISSION BY SMALL DROPLETS</a>	
	COVID-19	Poster
	<a href="#">Improved in air quality during covid-19 period: a scenario for AOD and Ozone trends over major cities of India.Priyanshu Gupta<sup>1</sup>, Sunita Verma<sup>1</sup>, R Bhatla<sup>2</sup>, and Swagata Payra<sup>3</sup>. IESD, BHU Varanasi-221005 Uttar Pradesh, India<sup>2</sup>.Department of Geophysics, BHU.<sup>3</sup></a>	
	COVID-19	Poster
	<a href="#">Substantial decreases in NO2 emissions from reduced transportation volumes in US cities during COVID-19 shutdowns reveal health vulnerabilities of urban populations</a>	
	COVID-19	Poster
	<a href="#">Exploring the role of particulate matter as a carrier of SARS-CoV-2 in USA cities</a>	
	COVID-19	Poster
	<a href="#">Quantifying the Health Impact of “Shelter in Place” Policies from NO2 Emissions: An Empirical Assessments of the West Coast of the United States</a>	
	COVID-19	Poster
	<a href="#">Identification and Characterization of Atlantic Halibut (Hippoglossus hippoglossus) Habitats with Bathymetric Data Supplemented with Seafloor Video Observations</a>	
	Earth's History, Interior and Life	Poster
	<a href="#">INVESTIGATING THE 2018-2020 PINNIPED UNUSUAL MORTALITY EVENT ALONG THE NORTHEAST COAST THROUGH AERIAL SURVEY DATA</a>	
	Environmental Health	Poster
	<a href="#">Mortality Burden Of Ambient PM2.5 Exposure In Megacity Delhi: Spatially Disaggregated v/s Aggregated Approach To Exposure Assignment</a>	
	Environmental Health	Poster
	<a href="#">Capping a swine farm wastewater lagoon: preliminary evaluation of water quality impacts in eastern North Carolina</a>	
	Environmental Health	Poster

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Monday, December 14, 2020</b>		
	<a href="#">Simulating Rotating Pyroconvection</a>	
4:00:00	Natural Hazards	Poster
	<a href="#">Contemporaneous lidar and radar observations of a rotating pyrocumulus plume.</a>	
	Natural Hazards	Poster
	<a href="#">Contribution of Atmospheric Circulation Changes and Anthropogenic Warming to the Increase of Warm Season Fire Weather Risk in California</a>	
	Natural Hazards	Poster
	<a href="#">Examining Trends in Fire-Weather Conditions across California</a>	
	Natural Hazards	Poster
	<a href="#">Extreme fire weather hotspots and vulnerable electric powerlines identified through California climatology analysis</a>	
	Natural Hazards	Poster
	<a href="#">Tsunami intrusion into a river</a>	
	Natural Hazards	Poster
	<a href="#">Human-environmental interactions in the Arctic inferred from microfossils in Central Greenland ice</a>	
	Polar Science and Glaciers	Poster
	<a href="#">Visualizing Change with Landsat at Helheim Glacier, East Greenland, 1972 to 2020</a>	
	Polar Science and Glaciers	Poster
	<a href="#">Multi-wavelength imaging observations of STEVE at Athabasca, Canada</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Food Supply for the Crew of a Lunar Village</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">SMALL COMET VAPOR CLOUDS IMAGED FOR THE FIRST TIME</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Future wave climate in nearshore California: new insights into the need for nearshore projections in local coastal hazard assessments</a>	
5:30:00	Natural Hazards	Oral
	<a href="#">Large source of mercury from the western margin of the Greenland Ice Sheet</a>	
	Polar Science and Glaciers	eLightning
	<a href="#">Holocene relative sea-level change in the Pine Island-Thwaites Glacier region of West Antarctica</a>	
	Polar Science and Glaciers	Oral
	<a href="#">The Impacts of Rapid Climate Change on Mass Movements in Denali National Park, Alaska</a>	
7:00:00	Climate	Poster

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Monday, December 14, 2020</b>		
	<a href="#">Autonomous Exploration of Earth's Largest Subterranean Lake and Implications for Robotic Lunar and Mars Lava Tube Exploration</a>	
7:00:00	Space, Space Weather and Planetary Science	Oral
	<a href="#">In-situ identification of giant, needle-shaped magnetofossils in Paleocene-Eocene Thermal Maximum Sediments using high-resolution, low-noise FORC measurements</a>	
8:30:00	Earth's History, Interior and Life	Oral
	<a href="#">Testing Australian megafaunal avian eggshells for <sup>230</sup>Th/U burial dating</a>	
	Earth's History, Interior and Life	Oral
	<a href="#">Individual Storm Event Influence on Seasonal Snow Depth Distribution in Complex Mountain Terrain</a>	
	Natural Hazards	Oral
	<a href="#">Trends in Regional Large Magnitude Snow Avalanche Occurrence and Associated Climate Patterns in the U.S. Northern Rocky Mountains</a>	
	Natural Hazards	Oral
	<a href="#">CONSTRAINTS ON THE BIOPERSISTENCE OF OLIVINE PARTICULATES FROM EXPERIMENTAL DISSOLUTION IN SIMULATED LUNG AND GASTRIC FLUID</a>	
	Space, Space Weather and Planetary Science	eLightning
	<a href="#">An 18-Year Retrospective Analysis of West Nile Virus Infection in Culex Mosquitoes of the Midwestern United States</a>	
10:00:00	Environmental Health	eLightning
	<a href="#">Reproducibility, Scientific Integrity, and Public Engagement in the Age of Digital Misinformation and COVID-19</a>	
11:30:00	COVID-19	Oral
	<a href="#">Investigating the Possibility of Cascading Lake Drainage in the Pakitsog Region of Western Greenland using an Analytical Ice-Flow Model</a>	
	Polar Science and Glaciers	Oral
	<a href="#">Record surface meltwater ponding on the Northern George VI Ice Shelf, Antarctic Peninsula, during the 2019/2020 melt season</a>	
	Polar Science and Glaciers	Oral
	<a href="#">Understanding the Impacts of Climate Change on "Billion-dollar Disaster" Precipitation Events in the United States</a>	
16:00:00	Climate	Oral
	<a href="#">Concurrent Disasters in a Changing Climate: How Science can Guide Climate-Resilient Investments in the Face of Uncertainty</a>	
	COVID-19	Oral
	<a href="#">Younger Dryas cooling began with a series of eruptions in Iceland followed by an impact</a>	
	Earth's History, Interior and Life	Oral

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Monday, December 14, 2020</b>		
	<a href="#">Geometry of the eastern Thwaites ice shelf cavity and implications for continued grounding zone retreat</a>	
17:30:00	Polar Science and Glaciers	eLightning
	<a href="#">Radiometric calibration and analysis of radar sounding observations of ice-sheet subsurface conditions from archival film records</a>	
	Polar Science and Glaciers	eLightning
	<a href="#">A tectonically active early Earth driven by the tidal recession of the Moon</a>	
19:00:00	Earth's History, Interior and Life	Oral
	<a href="#">Concentrated animal feeding operation liquid manure application patterns: Insights from remote sensing</a>	
20:30:00	Environmental Health	Oral
	<a href="#">Infrasound Generation from the 2017 DPRK Underground Nuclear Explosion</a>	
	Human Impacts and Environmental Justice	Oral
<b>Tuesday, December 15, 2020</b>		
	<a href="#">Topographical patterns of tropical forest loss in the early 21st century</a>	
4:00:00	Climate	Poster
	<a href="#">Soil moisture-driven increases in hot and dry days in the American West</a>	
	Climate	Poster
	<a href="#">Activating green infrastructure design as a planetary green security system: Comparing approaches of landscape care to advance sustainability, resilience, multifunctionality, and ecosystem services</a>	
	Climate	Poster
	<a href="#">Increased Risk of Cold Damage to Grapevines in spite of Warmer Temperatures: Importance of Considering Winter Season Dynamics.</a>	
	Climate	Poster
	<a href="#">Now we're cooking: How do activities in the home impact exposure?</a>	
	COVID-19	Poster
	<a href="#">Compound Extreme Heat and COVID-19 Risks in the United States</a>	
	COVID-19	Poster
	<a href="#">Archaeointensity of Historically Dated Burnt Structures in the Southern Levant: Anchors for the Evolution of the Levantine Iron Age Anomaly and the Timing of Geomagnetic Spikes</a>	
	Earth's History, Interior and Life	Poster
	<a href="#">Wave and current controls on the formation and steady-state maintenance of deep reef flats on atoll rims</a>	
	Earth's History, Interior and Life	Poster
	<a href="#">The strength of the Earth's magnetic field from Pre-Pottery Neolithic Jordan</a>	
	Earth's History, Interior and Life	Poster

Tuesday, December 15, 2020

	<a href="#">Assessing the relationship between urban structure and the urban heat island: Improving local climate zone mapping and estimating zone and site-scale effects on air temperature</a>		
4:00:00	Human Impacts and Environmental Justice		Poster
	<a href="#">Coastal Flooding Today, Tomorrow, and the Next Ten Years in East Coast U.S. Cities</a>		
	Natural Hazards		Poster
	<a href="#">Severe Drought and Locust Outbreak in China in 1368-1911 using REACHES Data Sets</a>		
	Natural Hazards		Poster
	<a href="#">Complex bathymetry beneath Thwaites and Dotson Ice Shelves revealed by active-source seismic surveys</a>		
	Polar Science and Glaciers		Oral
	<a href="#">The Pathways and Heat Transport of Circumpolar Deep Water into the Thwaites and the Pine Island Glaciers, West Antarctica</a>		
	Polar Science and Glaciers		Poster
	<a href="#">Inverting surface-elevation data for basal topography beneath Thwaites Glacier, West Antarctica</a>		
	Polar Science and Glaciers		Poster
	<a href="#">Glacier Disappearance in the High Alpine of Oregon, U.S.A.</a>		
	Polar Science and Glaciers		Poster
	<a href="#">Molecular Solids on Titan: New Insights into Hydrogen Cyanide and Butadiene</a>		
	Space, Space Weather and Planetary Science		Poster
	<a href="#">Process Oriented Diagnostics for High Frequency Impact Events: Bringing the Weather Scale to Climate</a>		
5:30:00	Climate		Oral
	<a href="#">Late Quaternary Climate Change and Human Presence in the Eastern Sahara: Evidence for Paleoenvironments associated with the Paleolithic, Mesolithic and Neolithic in Southern Egypt</a>		
	Earth's History, Interior and Life		eLightning
	<a href="#">Hunting for Ice Age Refugia: A 10Be-Based Deglacial Chronology from the Northern Alexander Archipelago, Alaska</a>		
	Earth's History, Interior and Life		eLightning
	<a href="#">Dynamic Global Hunter-gatherer Model Reveals Key Role of Seasonality in Population Density via Diet Composition</a>		
	Earth's History, Interior and Life		eLightning
	<a href="#">Climate as a driver for Hominin Evolution</a>		
	Earth's History, Interior and Life		eLightning
	<a href="#">Sedimentary ancient DNA and molecular evidence for pre-Norse occupation of the Faroe Islands</a>		
	Earth's History, Interior and Life		eLightning

## Tuesday, December 15, 2020

5:30:00	<a href="#">Human settlements and climatic changes in Remote Oceania over the last millennium: Multi-proxy records from Vanuatu</a>	Earth's History, Interior and Life	eLightning
	<a href="#">New evidence for climate and erosion history in Gale crater, Mars, from Curiosity's ascent onto the Greenheugh pediment</a>	Space, Space Weather and Planetary Science	Oral
7:00:00	<a href="#">Excess Asthma Events from Future Wildfires in the Western US: A Health Impact Assessment</a>	Environmental Health	eLightning
	<a href="#">When smoke comes to town: a long-term health impact assessment of acute and chronic wildfire smoke exposure</a>	Environmental Health	eLightning
	<a href="#">Beavers engineer vast arctic tundra lowlands of Alaska</a>	Polar Science and Glaciers	Oral
10:00:00	<a href="#">Hand hygiene in a changing water world: ensuring "water and sanitation for all" in the context of a pandemic</a>	Environmental Health	Oral
11:30:00	<a href="#">AgMIP Food Shock Protocols: COVID-19 and Climate Change</a>	COVID-19	Oral
	<a href="#">Microplastic Distribution in the Gulf of Mexico</a>	Human Impacts and Environmental Justice	eLightning
	<a href="#">Investigating the simultaneous occurrence of STEVEs and SAR arcs using all-sky imagers, satellites, and citizen scientist data</a>	Space, Space Weather and Planetary Science	Oral
	<a href="#">The Green Emissions of STEVE: Optical Evidence of an Energy Cascade</a>	Space, Space Weather and Planetary Science	Oral
	<a href="#">New Observations Show the Earliest Stages of Titan's Radial Labyrinth Terrain Evolution</a>	Space, Space Weather and Planetary Science	Oral
16:00:00	<a href="#">The Origin of Modern Atolls: Challenging Darwin's Deeply Ingrained Theory</a>	Earth's History, Interior and Life	Oral
17:30:00	<a href="#">A Nitrogen-Rich Atmosphere on Ancient Mars Indicated by Isotopic Evolution.</a>	Space, Space Weather and Planetary Science	Oral
19:00:00	<a href="#">Developing a forecasting model of droughts' impacts on food security for financial decision-making</a>	Climate	Oral
	<a href="#">Ocean Bottom Seismometers for Passive Acoustic Monitoring of Baleen Whales</a>	Earth's History, Interior and Life	Oral

**Tuesday, December 15, 2020**

[The fidelity of elemental concentrations and mass-dependent \( \$\delta^{18}O\$ ,  \$\delta^{13}C\$ ,  \$\delta^{15}N\$ ,  \$\delta^{2}H\$ ,  \$\delta^{34}S\$ ,  \$\delta^{42}/^{44}Ca\$ \) and radiogenic isotopic compositions \( \$^{87}Sr/^{86}Sr\$ , Pb isotopes\) in human hair in seawater and fresh water and implications for forensics, anthropology, and e](#)

20:30:00 Environmental Health Oral

[Diverse studies document intricate relationships among volcanoes, honey, salmon, and Indigenous peoples as part of a complex geochemical puzzle in the Pacific Northwest of North America](#)

Human Impacts and Environmental Justice Oral

[UK Space Agency's METEOR project: Making the case for Earth Observation \(EO\) data for insurance in developing countries](#)

Natural Hazards Oral

**Wednesday, December 16, 2020**

[Climate-driven limits to future carbon storage in California's wildland ecosystems](#)

4:00:00 Climate Poster

[Catching Fire: Geochemical evidence suggests hominin-controlled fire during the Pleistocene in the Turkana Basin, Kenya](#)

Earth's History, Interior and Life Poster

[SAR-based detection of buried ruins: present possibility and uncertainties](#)

Earth's History, Interior and Life Poster

[Quantifying post-glacial biotic velocities of tree taxa from fossil pollen records: can the trees keep up?](#)

Earth's History, Interior and Life Poster

[Source-specific Contributions to Racial-Ethnic Disparities in Ambient Fine Particulate Matter Exposure in the United States](#)

Human Impacts and Environmental Justice Poster

[Highly variable lead \(Pb\) air concentrations associated with fire events in California](#)

Natural Hazards Poster

[High Resolution Field Observations of Meteotsunamis off the Coast of Louisiana, USA](#)

Natural Hazards Poster

[North American Wildfires are Changing the Atmospheric Carbon Monoxide Seasonal Cycle](#)

Natural Hazards Poster

[Beam Theory Applied to Slab Avalanche Release](#)

Natural Hazards Poster

[Fire and climate in the eastern Siberia over the past 500 years \(1500-2010 CE\)](#)

Polar Science and Glaciers Poster

[Geological Template of the Thwaites Glacier Catchment](#)

Polar Science and Glaciers Poster

Session Start (Pacific Standard Time)	Topic	Session Type
<b>Wednesday, December 16, 2020</b>		
	<a href="#">From hot to cold: Assessing the mineralogical diversity of hydrothermal vent plume particles on Earth with an eye towards hydrothermally active icy ocean worlds</a>	
4:00:00	Space, Space Weather and Planetary Science	Oral
	<a href="#">Ion radiation belts outside of the main rings of Jupiter and Saturn</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">The Dust Environment in the Inner Heliosphere</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Frozen Worlds: How High-Pressure Ice Phases can Influence Their Structure.</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Using a laser-pushed solar sail to deflect the trajectory of an asteroid</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Simulation and Analysis of a Comet's Atmospheric Entry, Impact, and Consequences</a>	
	Space, Space Weather and Planetary Science	Poster
	<a href="#">Heat stress will more strongly affect global wheat yields than drought stress under 21st century climate change</a>	
5:30:00	Climate	Oral
	<a href="#">The Viral Elevator: Modeling Virus and Bacteria Populations in Europa's Icy Ocean</a>	
	Space, Space Weather and Planetary Science	Oral
	<a href="#">Montreal Protocol to delay ice-free Arctic by a decade</a>	
7:00:00	Polar Science and Glaciers	Oral
	<a href="#">Disaster Risk Analysis for the Food Access Issues and its Relevance to Health Effects using Unsupervised Clustering Techniques for Spatial Variability.</a>	
8:30:00	COVID-19	Oral
	<a href="#">COVID-19 pandemic impacts on global inland fisheries, fishers, and fish catch</a>	
	COVID-19	Oral
	<a href="#">Bulk modulus of H2O across the ice VII – ice X transition measured by time-resolved X-ray diffraction in dynamic Diamond Anvil Cell experiments</a>	
	Space, Space Weather and Planetary Science	Oral
	<a href="#">Identification of future Pacific salmon spawning habitat in southern Alaskan watersheds based on climate-induced changes in river discharge and water temperature</a>	
11:30:00	Climate	Oral
	<a href="#">The carbon cycle of southeast Australia during 2019/2020: Drought, fires and subsequent recovery</a>	
	Climate	Oral
	<a href="#">Seismo-acoustic Vector Detection and Tracking of Ground Vehicles</a>	
16:00:00	Human Impacts and Environmental Justice	eLightning

**Wednesday, December 16, 2020**

[Characteristics of airplane-induced ground motion recorded by three-component\(3-C\) geophone and distributed acoustic sensing \(DAS\) in cities](#)

16:00:00

Human Impacts and Environmental Justice

eLightning

[Assessing the Impact of Hurricane Sandy on Mobility Patterns in New York City across Scales](#)

Human Impacts and Environmental Justice

Oral

[Increased risk of the 2019 Alaskan July fires due to anthropogenic activity](#)

17:30:00

Climate

Oral

[Deciphering the “Dissolved”: Ecological Roles of Aquatic Viruses](#)

Earth's History, Interior and Life

Oral

[Unprotected and Underserved: Environmental justice and inadequacy of federal, state and local air pollution policies in protecting marginalized communities](#)

Human Impacts and Environmental Justice

Oral

[From Baltimore’s polluting facilities to industrial poultry farming on the Eastern Shore: Making the case for cumulative impacts analysis in Maryland’s environmental permitting and enforcement](#)

Human Impacts and Environmental Justice

Oral

[Deformation along Enceladus’ Tiger Stripes: Insights from tidally modulated icequakes and stress release at Ross Ice Shelf rifts, Antarctica](#)

Space, Space Weather and Planetary Science

Oral

[West Mata Submarine Volcano, NE Lau Basin: Eruption Evolution Using Hydroacoustic and Video Data](#)

19:00:00

Natural Hazards

Oral

[The August 2019 eruption of Volcano 0403-091: pumice-raft formation and dispersion eruption](#)

Natural Hazards

Oral

[Carbon Cycle Recovery After the Cretaceous-Paleogene Mass Extinction: a Terrestrial Perspective](#)

20:30:00

Earth's History, Interior and Life

Oral

**Thursday, December 17, 2020**

[Wildfire smoke over the North Pole during the winter period 2019-2020 and impact on cirrus evolution.](#)

4:00:00

Climate

eLightning

[Long-lived smoke clouds from the Australian megafires measured over Lauder, New Zealand](#)

Natural Hazards

eLightning

[Multi-scale Simulations of Massive Stratospheric Smoke Injected by the 2017 British Columbia PyroCbs](#)

Natural Hazards

eLightning

[Australian wildfires inject a volcanic-scale smoke plume into the stratosphere](#)

Natural Hazards

eLightning

**Thursday, December 17, 2020**

	<a href="#">The air quality trade-offs of wildfire and prescribed burning</a>	
5:30:00	Environmental Health	Oral
	<a href="#">Forest degradation in the Brazilian arc of deforestation: Land cover classification and biomass estimation using very high-resolution satellite images</a>	
	Human Impacts and Environmental Justice	Oral
	<a href="#">Nuisance flooding due to groundwater emergence in coastal urban areas</a>	
	Natural Hazards	Oral
	<a href="#">Integrating Solar and Wind Power to Replace Coal in Texas</a>	
7:00:00	Climate	eLightning
	<a href="#">Distributed Energy Resources for Disaster Resilience to Hurricanes in a Changing Climate</a>	
	Natural Hazards	eLightning
	<a href="#">The 2020 Siberian Heat Wave</a>	
	Polar Science and Glaciers	Oral