Overview of Technical Program

Monday 17 April	Tuesday 18 April	Wednesday 19 April	Thursday 20 April	Friday 21 April
8 AM-5 PM	8–9:15 ам	8–9:15 ам	8–9:15 ам	7 AM-10 PM
Workshop: Post-	Oral Sessions	Oral Sessions	Oral Sessions	2020 Southwestern
earthquake	9:15–10 AM	9:15–10:30 ам	9:15–10 AM	Puerto Rico Seismic
Reconnaissance:	Poster Break	Poster Break	Poster Break	Sequence
Turning Disasters into	10-11:15 ам	10:30-11:45 ам	10-11:15 ам	8 AM-Noon
Knowledge	Oral Sessions	Oral Sessions	Oral Sessions	Old San Juan Walking
10 AM-4 PM	11:30 ам-12:30 рм	12:00 NOON-2:00 PM	11:30 ам-12:30 рм	Tour
Workshop: Optimizing	Plenary: Erouscilla P.	Awards Luncheon	Machine Learning	8 AM-Noon
Seismic Hazard	Joseph		(panel)	TsunamiReady Program
Assessments	12:30–2 рм	12:30-2 РМ	12:30–2 РМ	
2–5 PM	Lunch Break	Lunch Break	Lunch Break	
Workshop: Getting	2-3:15 РМ	2-3:15 РМ	2–3:15 РМ	
Published—Writing	Oral Sessions	Oral Sessions	Oral Sessions	
Papers, Working with	3:15-4:30 рм	3:15-4:30 PM	3:15-4:30 РМ	
Editors, Responding to	Poster Break	Poster Break	Poster Break	
Reviews				
2–5 PM				
Workshop: DAS				
3–7 PM	4:30-5:45 PM	4:30–5:45 PM	4:30–5:45 PM	
Registration Open	Oral Sessions	Oral Sessions	Oral Sessions	
5–6:30 рм	6–7 PM	6–7 PM		
Opening Reception	Plenary: Tsunami	Joyner Lecture		
	Hazards (panel)	•		
6:30-7:30 РМ	7–8 PM	7–8 рм	_	
Keynote Plenary: José A.	Student/Early-Career	Joyner Reception		
Martinez-Cruzado	Reception	· •		

Tuesday, 18 April

Oral Sessions

Time	202B/C	203	204	208A	208B	Time	208C	209A	209B	209C	
8:00-	Earthquake Source	TBA	Collective Impact in	USGS National Seis-	Seismology's Role in	8:00-	High-frequency Ground	The 2020-2021 South-	Earth's Structure From the	De-risking Deep Geother-	
9:15 am	Parameters: Theory,		Earthquake Science	mic Hazard Models:	Assessing Volcanic	9:15 am	Motion Measurements,	west Puerto Rico Seismic	Crust to the Core	mal Projects: Geophysical	
	Observations and			2023 and Beyond	Hazard at Multiple		Assessments and Predic-	Sequence: Current State of		Monitoring and Forecast	
	Interpretations				Time Scales		tions	Knowledge and Implica-		Modeling Advances	
								tions			
9:15– 10:00 am			Poster Break			9:15– 10:00 am	Poster Break				
10:00-	Earthquake Source	TBA	Monitoring Climate	USGS National Seis-	Seismology's Role in	10:00-	From Sensors and Net-	The 2020–2021 South-	Earth's Structure From the	De-risking Deep Geother-	
11:15 am	Parameters: Theory,		0	mic Hazard Models:	Assessing Volcanic	11:15 am	works to Site Character-	west Puerto Rico Seismic	Crust to the Core	mal Projects: Geophysical	
	Observations and		mology	2023 and Beyond	Hazard at Multiple		ization and Site Response:	Sequence: Current State of		Monitoring and Forecast	
	Interpretations				Time Scales		Coming Full Circle	Knowledge and Implica-		Modeling Advances	
								tions			
11:30 AM-	Erouscilla P. Joseph,	The University of West			Hazards, Monitoring,	11:30 AM-	Erouscilla P. Joseph, The University of West Indies: Volcanism in the Eastern Caribbean: Hazards, Monitoring,				
12:30 рм		Cha	llenges and Lessons Le	arnt		12:30 рм	Challenges and Lessons Learnt				
12:30-			Lunch Break			12:30-	Lunch Break				
2:00 PM	T (1 1 C	TDA	т с .	HICCON (: 10 :	A 1 ·	2:00 PM					
2:00-3:15 рм	Earthquake Source Parameters: Theory,	TBA	Transforming our Seismological Com-	USGS National Seismic Hazard Models:	Advances in	2:00-3:15 рм	From Sensors and Networks to Site Character-	Advances in Marine Seismoacoustics	Earth's Structure From the Crust to the Core	Legacy Seismic Data Collections: The Present State	
	Observations and		munity through	2023 and Beyond	Characterizing Seismic Hazard and		ization and Site Response:	moacoustics	Crust to the Core	of and Future Outlook for	
	Interpretations		Inclusive Mentorship	· ·	Forecasting Risk		Coming Full Circle			Data from the Past	
	interpretations		and Diverse Narra-		in Hydrocarbon		Coming I dil Circle			Data from the rast	
			tives		Systems						
3:15-4:30 рм			Poster Break			3:15-4:30 рм	Poster Break				
4:30-5:45 рм	Earthquake Source	TBA	Seismology for the	2025 Puerto Rico	Advances in	4:30-5:45 рм	Future Directions in Phys-	Single-station Passive	Emerging Developments	Advancing Science With	
	Parameters: Theory,		Energy Transition	and the U.S. Virgin	Characterizing		ics-based Ground-motion	Exploration Methods:	in Operational Monitoring	Global Seismological and	
	Observations and			Islands National	Seismic Hazard and		Modeling in Preparation	Status and Perspectives	Systems and Products	Geophysical Networks	
	Interpretations			Seismic Hazard	Forecasting Risk		for the Fall 2023 Meeting				
				Model Update	in Hydrocarbon						
					Systems	6:00-7:00 рм					
6:00-7:00 РМ							The Future of Tsunami Hazards and Readiness Research Panel Discussion				
7:00–8:30 PM Student/Early-Career Reception						7:00-8:30 рм	Student/Early-Career Reception				

Poster Sessions

- The 2020-2021 Southwest Puerto Rico Seismic Sequence: Current State of Knowledge and Implications
- 2025 Puerto Rico and the U.S. Virgin Islands National Seismic Hazard Model Update
- Advances in Characterizing Seismic Hazard and Forecasting Risk in Hydrocarbon Systems
- Advances in Marine Seismoacoustics
- Advancing Science With Global Seismological and Geophysical Networks
- Collective Impact in Earthquake Science
- De-risking Deep Geothermal Projects: Geophysical Monitoring and Forecast Modeling Advances
- Earth's Structure From the Crust to the Core
- Earthquake Source Parameters: Theory, Observations and Interpretations
- Emerging Developments in Operational Monitoring Systems and Products
- From Sensors and Networks to Site Characterization and Site Response: Coming Full Circle
- Future Directions in Physics-based Ground-motion Modeling in Preparation for the Fall 2023 Meeting

- General Seismology
- Geophysical Data Analysis in Cloud Computing Environments
- High-frequency Ground Motion Measurements, Assessments and Predictions
- Legacy Seismic Data Collections: The Present State of and Future Outlook for Data from the Past
- Monitoring Climate Change With Seismology
- Normal Faults: From Source to Surface
- Seismology for the Energy Transition
- Seismology's Role in Assessing Volcanic Hazard at Multiple Time Scales
- Single-station Passive Exploration Methods: Status and Perspectives
- Transforming our Seismological Community through Inclusive Mentorship and Diverse Narratives
- USGS National Seismic Hazard Models: 2023 and Beyond

Wednesday, 19 April

Oral Sessions

Time	202B/C	203	204	208A		Time	208B	208C	209A	209B	209C		
8:00-	Site-specific Modeling of	New Methods and Models	Understanding and Man-	Advances in Probabilistic		8:00-	Subduction Zone	Understanding Earth			Detecting, Locating,		
9:15 am	Seismic Ground Response:	for More Informative	aging Induced Seismicity	Seismic Hazard Analysis		9:15 ам	Structure From	Systems with Fiber-			Characterizing and		
	Are We Quantitative	Earthquake Forecasting		and Applications			Trench to Arc	optic Cables			Monitoring Non-		
	Enough to Predict?										earthquake Seismoa-		
											coustic Sources		
9:15– 10:30 ам	Poster Break					9:15– 10:30 AM Poster Break							
10:30-	Site-specific Modeling of	New Methods and Models	Understanding and Man-	Advances in Probabilistic		10:30-	Subduction Zone	Understanding Earth	Tectonics and	Opportunities and	Detecting, Locating,		
11:45 ам	Seismic Ground Response:	for More Informative	aging Induced Seismicity	Seismic Hazard Analysis		11:45 ам	Structure From	Systems with Fiber-	Seismicity of Stable	Challenges for	Characterizing and		
	Are We Quantitative	Earthquake Forecasting		and Applications			Trench to Arc	optic Cables	Continental Interiors	Machine Learn-	Monitoring Non-		
	Enough to Predict?									ing Applications in	earthquake Seismoa-		
										Seismology	coustic Sources		
Noon– 2:00 рм	Awards Luncheon and Presidential Address					Noon– 2:00 PM Awards Luncheon and Presidential Address							
2:00-	ShakeMap-related	Exploiting Explosion	Understanding and Man-	Advances in Probabilistic		2:00-	Structure and Prop-		Tectonics and	Opportunities and	Detecting, Locating,		
3:15 рм	Research, Development,	Sources: Advancements in	aging Induced Seismicity	Seismic Hazard Analysis		3:15 рм	erties of Subduct-		Seismicity of Stable	Challenges for	Characterizing and		
	Operations, Applications	Seismic Source Physics		and Applications			ing Slabs and Deep		Continental Interiors	Machine Learn-	Monitoring Non-		
	and Uses						Earthquakes			ing Applications in	earthquake Seismoa-		
										Seismology	coustic Sources		
3:15- 4:30 рм	Poster Break				3:15– 4:30 PM Poster Break								
4:30-	ShakeMap-related	Exploiting Explosion		New Observations and		4:30-	The Future of	Above the Seismo-	Tectonics and	Opportunities and			
5:45 рм	Research, Development,	Sources: Advancements in		Modeling of Triggered		5:45 РМ	Tsunami Science,	genic Zone: Fault	Seismicity of Stable	Challenges for			
	Operations, Applications	Seismic Source Physics		Seismicity			Preparedness and	Damage and Healing	Continental Interiors	Machine Learn-			
	and Uses						Response	in the Shallow Crust		ing Applications in			
										Seismology			
6:00-	Joyner Lecture					6:00-							
7:00 рм	joyner Lecture					7:00 рм							
7:00-	Joyner Reception					7:00-							
8:00 рм	joyner reception					8:00 рм							

Poster Sessions

- Above the Seismogenic Zone: Fault Damage and Healing in the Shallow Crust
- Detecting, Locating, Characterizing and Monitoring Non-earthquake Seismoacoustic Sources
- Exploiting Explosion Sources: Advancements in Seismic Source Physics
- New Methods and Models for More Informative Earthquake Forecasting
- New Observations and Modeling of Triggered Seismicity
- Opportunities and Challenges for Machine Learning Applications in Seismology
- ShakeMap-related Research, Development, Operations, Applications and Uses
- Site-specific Modeling of Seismic Ground Response: Are We Quantitative Enough to Predict?
- Structure and Properties of Subducting Slabs and Deep Earthquakes
- Subduction Zone Structure From Trench to Arc
- Tectonics and Seismicity of Stable Continental Interiors
- The Future of Tsunami Science, Preparedness and Response
- Understanding and Managing Induced Seismicity
- Understanding Earth Systems with Fiber-optic Cables

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Thursday, 20 April

Oral Sessions

Time	202B/C	204	208A	208B	Time		208C	209A	209B	209C		
8:00-	Network Seismology:	Crustal Deformation and	Opportunities and Chal-	Coseismic Ground Failure:	8:00-	-	Active Faults in the Carib-		Crustal Imaging of High	Earthquake Preparation		
9:15 am	Recent Developments,	Seismic Hazard in West-	lenges in Source Model-	Advances in Modeling,	9:15	AM	bean and Central America		Seismic Hazard Regions	Across Scales: Reconciling		
	Challenges and Lessons	ern Canada, Cascadia and	ing for Seismic Hazard	Impacts and Communica-						Geophysical Observa-		
	Learned	Alaska	Analysis	tion						tions With Laboratory and		
										Theory		
9:15– 10:00 ам	Poster Break					-) ам	Poster Break					
10:00-AM	Network Seismology:	Understanding and	Opportunities and Chal-	Coseismic Ground Failure:	10:00		Active Faults in the Carib-	From Earthquakes to Plate	Crustal Imaging of High	Earthquake Preparation		
10:00- 11:15 AM	Recent Developments,	Modeling the Uncertain-	lenges in Source Model-	Advances in Modeling,	11:15		bean and Central America	Boundaries: Insights Into	Seismic Hazard Regions	Across Scales: Reconciling		
11.1711111	Challenges and Lessons	ties in Earthquake Ground	ing for Seismic Hazard	Impacts and Communica-	1111,	, 11111	bean and Gentral America	Fault Behavior Spanning	Seisinie Hazara Regions	Geophysical Observa-		
	Learned	Motions	Analysis	tion				Seconds to Millennia		tions With Laboratory and		
										Theory		
11:30 ам-	Panel: Machine Learning) AM-	Panel: Machine Learning					
12:30 рм	i anci. Maciniic Learning) PM	1 and 1 viacinite Bearining					
12:30- 2:00 рм	Lunch Break)_ PM	Lunch Break					
2:00-	Earthquake Early Warning	Understanding the Vari-	Constraining Seismic	Deciphering Earthquake	2:00-		Active Faults in the Carib-	From Earthquakes to Plate	Multi-scale Models for	Numerical Modeling in		
3:15 рм	Optimization and Efficacy	ability in Earthquake Stress		Clustering for the Better	3:15		bean and Central America	Boundaries: Insights Into	Seismic Hazard Analysis	Seismology: Developments		
	,	Drop Measurements	Subduction Zone	Understanding of Crustal				Fault Behavior Spanning	,	and Applications		
				Deformation Mechanisms				Seconds to Millennia				
3:15-	Poster Break				3:15-		Poster Break					
4:30 рм						PM						
4:30-	Earthquake Early Warning		Constraining Seismic	Deciphering Earthquake	4:30-		It's All About Relocation,	From Earthquakes to Plate	Ground Truthing Multidi-	Numerical Modeling in		
5:45 рм	Optimization and Efficacy		Hazard in the Cascadia	Clustering for the Better	5:45	PM	Relocation, Relocation	Boundaries: Insights Into	mensional Site Response	Seismology: Developments		
			Subduction Zone	Understanding of Crustal				Fault Behavior Spanning	Analyses at Borehole Array	and Applications		
				Deformation Mechanisms				Seconds to Millennia	Sites			

Poster Sessions

- Active Faults in the Caribbean and Central America
- Advances in Probabilistic Seismic Hazard Analysis and Applications
- Constraining Seismic Hazard in the Cascadia Subduction Zone
- Coseismic Ground Failure: Advances in Modeling, Impacts and Communication
- Crustal Deformation and Seismic Hazard in Western Canada, Cascadia and Alaska
- Crustal Imaging of High Seismic Hazard Regions
- Deciphering Earthquake Clustering for the Better Understanding of Crustal Deformation Mechanisms
- Earthquake Early Warning Optimization and Efficacy
- From Earthquakes to Plate Boundaries: Insights Into Fault Behavior Spanning Seconds to Millennia
- Ground Truthing Multidimensional Site Response Analyses at Borehole Array Sites
- It's All About Relocation, Relocation
- Multi-scale Models for Seismic Hazard Analysis

Seismological Research Letters

- Network Seismology: Recent Developments, Challenges and Lessons Learned
- Numerical Modeling in Seismology: Developments and Applications
- Opportunities and Challenges in Source Modeling for Seismic Hazard Analysis
- Understanding and Modeling the Uncertainties in Earthquake Ground Motions
- Understanding the Variability in Earthquake Stress Drop Measurements