

**International Workshop on Active Tectonics and Seismicity of the Aegean Region with special emphasis
on the Samos Earthquake struck on 30 October 2020 - ASASE2021
20-21 May 2021 / Turkey**

20 MAY - Thursday			
	09.30 – 09.55	OPENING SPEECHES (Chair Orhan Tatar)	
	09.55 – 10.00	SHORT BREAK	
	SESSION I – MORNING - I		Chair – Spyros Pavlides
	Active Tectonics and Seismicity		
1	10.00 – 10.25	<u>Spyros Pavlides</u> , A. Chatzipetros, S. Sboras, E. Delogkos and I. Lazos	Active Tectonics of the broader Aegean region. An overview and new challenges
2	10.25 – 10.50	Gian Maria Bocchini	Slab dynamics and seismicity distribution in the Hellenic Arc
3	10.50 – 11.15	<u>Dimitris Sakellariou</u> and K. Tsampouraki-Kraounaki	Offshore geomorphology and seismic profiling data indicate active extension, transtension and strike-slip tectonics in the Aegean Region
4	11.15 – 11.40	<u>Massimiliano Maggini</u> and R. Caputo	3D rheological modelling of the Aegean Region and its implications for the seismotectonics of the area
	11.40 – 11.55	COFFEE BREAK	

	SESSION I – MORNING - II		Chair – Massimiliano Maggini
	Active Tectonics and Seismicity		
5	11.55 – 12.20	Riccardo Caputo	Earthquake Geology for SHA in the Aegean Region: single-event effects versus cumulative effects
6	12.20 – 12.45	<u>Hasan Sözbilir</u> , Ç. Özkaymak, Ö. Sümer, M. Softa, J.Q.G. Spencer, S. Eski, Ç. Tepe, B. Geçkin, U. Öncü, E. Şahiner, M. Yüksel, N. Meriç, M.Topaksu	Active tectonics and paleoseismology of seismic sources located on land in the vicinity of the city of İzmir, western Anatolia, Turkey
7	12.45 – 13.10	<u>Spyridon Mavroulis</u> , A. Kourou, M. Mavrouli, T. Thoma, M. Manousaki, N. Karveleas and E. Lekkass	Multi-hazard approach in managing earthquake emergencies amid evolving biological hazards: lessons from the 2020 Samos (Eastern Aegean) earthquake amid the COVID-19 pandemic
	13.10 – 14.00	LUNCH BREAK	

20 MAY – Thursday			
SESSION II –AFTERNOON - I		30 October 2020 Samos Earthquake	Chair – Riccardo Caputo
8	14.00 – 14.25	<u>Dimitris Sotiriadis</u> , Z. Roumelioti, I. Kalogeras, K. Konstantinidou, N. Melis, N. Theodulidis, P. Pelekis, B. Margaris	Analysis of Strong Ground Motion Data recorded in Greece during the Samos Island Earthquake Mw7.0
9	14.25 – 14.50	<u>Recep Çakır</u> , S. Altun, H. Sozibilir	Rapid Damage Assessments in and around the City of Izmir by using NASA-ARIA Damage Proxy Maps: Case Study for the 30 October 2020 Mw=6.9 Samos Earthquake
10	14.50 – 15.15	<u>George F. Karakaisis</u> and E.M. Scordilis	Seismicity Variations Preceding the Samos, 30 October 2020 ($M_w=7.0$) Earthquake at Eastern Aegean
11	15.15 – 15.40	<u>Taygun Uzelli</u> , E. Bilgiç, B. Öztürk, A. Baba, H. Sözbilir and O. Tatar	Possible precursory anomalies in groundwater level and geothermal resources associated with before and after the October 30, 2020, Samos Earthquake
	15.40 – 15.55	COFFEE BREAK	

SESSION II –AFTERNOON - II		30 October 2020 Samos Earthquake	Chair – Dimitris Sakellariou
12	15.55 – 16.20	Stathis C. Stiros	Impacts of the 2020 Samos earthquake in the modeling of ancient seismic events
13	16.20 – 16.45	<u>Ioanna Triantafyllou</u> , G.A. Papadopoulos, E. Lekkas	The strong Samos earthquake ($M_s6.3$) of 11 August 1904 and its aftershocks revisited
14	16.45 – 17.10	<u>Niki Evelpidou</u> , A. Karkani and I. Kampolis	The earthquake of 30 th October 2020 at Samos: Relative sea level changes and impacts on the coastal zone
15	17.10 – 17.35	<u>Dimitris Galanakis</u> , S. Sboras and K. Kontodimos	Macroseismic and geotechnical observations after the October 30, 2020 ($M_w6.7$) Samos-Kuşadası earthquake
16	17.35 – 18.00	Özgür Özçelik	Urgency of Building Inventory Studies for Seismic Risk Prioritization Towards Hazard Resilient Izmir

21 MAY – Friday				
SESSION III – MORNING		Tsunami		Chair – Ahmet Cevdet Yalçiner
17	09.30 – 09.55	Fumihiko Imamura	Japanese Experience on Tsunami Hazard from Assessment to Preparedness - role of Tsunami Engineering Laboratory (TEL) in Tohoku University	
18	09.55 – 10.20	Roberto Basili	European fault-source models for seismic hazard and tsunami hazard applications: a focus on the East Mediterranean	
19	10.20 – 10.45	Ahmet Cevdet Yalçiner, G. Güney Doğan	Realities and Necessities for Tsunamis in the Eastern Mediterranean and Aegean Regions	
20	10.45 – 11.10	Stefano Lorito	Tsunami hazard, warning, and risk reduction in Italy and in the Mediterranean Sea	
21	11.10 – 11.35	Taro Arikawa	Development of Disaster Prevention Platform in Coastal Resilient Community	
	11.35 – 11.50	COFFEE BREAK		
POSTER SESSION			Chair – Derman Dondurur	
P1	11.50 – 11.55	Savaş Gürçay, G. Çiftçi	Submarine Stratigraphic and Structural Features Offshore of Küçük Menderes Graben (North of Samos Island) and Surroundings By High Resolution Seismic Reflection Method	
P2	11.55 – 12.00	İlkin Özsöz, O. Ankaya Pamukçu	Precursor Analysis of 30 October 2020 Samos Earthquake Using Swarm A, B and C Magnetic Data	
P3	12.00 – 12.05	Yaprak İpek, M. Akgün, Ö. C. Özdağ	Non-Linear Soil Behavior Analysis of Collapsed Building After the Samos Earthquake (30.10.2020 Mw=6.9)	
P4	12.05 – 12.10	Mehmet Utku	The Sisam (Samos) Earthquake of October 30, 2020, and its Aftershocks	
P5	12.10 – 12.15	İsmail Duran, H. Sözbilir, S. Eski, M. Softa, H. Uytun, M. Yüksel and M. Topaksu	Palaeoseismic History of the Manisa Fault Zone, Western Anatolia	
	12.15 – 14.00	LUNCH BREAK		

21 MAY – Friday				
SESSION IV – AFTERNOON - I		Geodesy and Active Tectonics		Chair – Hasan Sözbilir
22	14.00 – 14.25	Salvatore Stramondo	Coseismic deformation field retrieval from Satellite SAR Interferometry for offshore (nearby coastline) earthquakes: hints from recent case studies in the Eastern Aegean Sea	
23	14.25 – 14.50	Alexandros Chatzipetros, I. Lazos	How can geodetic data help identify regional and local crustal deformation patterns? examples from the broader Aegean area	
24	14.50 – 15.15	Bahadır Aktuğ, İ. Tiryakioğlu, H. Sözbilir, H. Özener, Ç. Özkaymak, C. Özer Yiğit, H.İ. Solak, E.E. Eyübagil, B. Gelin, O. Tatar, M. Softa	GPS Derived Finite Source Mechanism of the 30 October 2020 Samos Earthquake, Mw6.9	
25	15.15 – 15.40	Spyridon Mavroulis, I. Triantafyllou, A. Karavias, M. Gogou, K.N. Katsetsiadou, E. Lekkas, G.A. Papadopoulos, I. Parcharidis	Field observations and InSAR analysis for mapping environmental effects induced by the October 30, 2020, Mw = 7.0, Samos (Eastern Aegean Sea, Greece) earthquake	
26	15.40 – 16.05	Sotiris Sboras, I. Lazos, S. Bitharis, C. Pikridas, D. Galanakis, A. Fotiou, A. Chatzipetros, S. Pavlides	Source modelling and stress transfer scenarios of the October 30, 2020 Samos earthquake: seismotectonic implications	
	16.05 – 16.20	COFFEE BREAK		

SESSION IV – AFTERNOON - II		Geodesy and Active Tectonics		Chair – Orhan Tatar
27	16.20 – 16.45	Onur Tan, V. Karakostas and E. Papadimitriou	Seismotectonic Implications of Karaburun Peninsula, Kuşadası Gulf and Samos Island	
28	16.45 – 17.10	Derman Dondurur, S. Çoşkun, M.G. Drahor	Active Faults of the İzmir Gulf Using High Resolution Seismic Data	
29	17.10 – 17.35	Nasim Mozafari, Ö. Sümer, Ç. Özkaymak, D. Tikhomirov, B. Uzel, S. Yeşilyurt, S. Ivy-Ochs, C. Vockenhuber, H. Sözbilir and N. Akçar	Beyond the historical records in western Anatolia: cosmogenic ³⁶ Cl as the direct tracker of normal fault activity	
30	17.35 – 18.00	Spyros Pavlides, A. Chatzipetros, S. Sboras, D. Galanakis, Ch. Pikridas, S. Bitharis, I. Lazos, E. Kremastas, A. Chatziioannou and I. Papaioannou	The northern Thessaly strong earthquakes of March 3 rd and 4 th and their neotectonic setting. Preliminary results	