

Online Workshop / 20-21 May 2021 09.30(GMT+3)

International Workshop on Active Tectonics and Seismicity of the Aegean Region with Special Emphasis on the Samos Earthquake struck on 30 October 2020 - ASASE2021

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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			
OPENING SPEECHES (Chair Orhan Tatar)			
1	09.25 – 09.30		
1	09.30 – 09.35	Prof. Efthymios Lekkas	President of Earthquake Planning and Protection Organization (Eppo) and Faculty of Geology and Geoenvironment of the University of Athens
2	09.35 – 09.40	Prof. Roberto Paolucci	Coordinator, Italian Major Risks Commission-Seismic Risk Sector, Civil Protection Department
3	09.40 – 09.45	Prof. Hakan Yekbaş	The Vice Chancellor of Sivas Cumhuriyet University
4	09.45 – 09.50	Prof. Nühket Hotar	The Chancellor of Dokuz Eylül University
5	09.50 – 09.55	Hamza Taşdelen	The President of Disaster and Emergency Management, AFAD
6	09.55 – 10.00	Prof. Hasan Mandal	The President of the Scientific and Technological Research Council of Turkey, TUBITAK
SESSION I – MORNING - I		Active Tectonics and Seismicity	
			Chair – Spyros Pavlides
1	10.00 – 10.25	Spyros Pavlides, A. Chatzpetros, 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	Dimitris Sakellariou 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	Massimiliano Maggini 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		Active Tectonics and Seismicity	
		Chair – Massimiliano Maggini	
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	Hasan Sözbilir, Ç. Özkeymak, 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 Izmir, western Anatolia, Turkey
7	12.45 – 13.10	Spyridon Mavroulis, A. Kourou, M. Mavrouli, T. Thoma, M. Manousaki, N. Karveleas and E. Lekkas	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	Dimitris Sotiriadis, Z. Roumelioti, I. Kalogeras, K. Konstantinidou, N. Melis, N. Theodulidis, P. Pelekis, B. Margaritis	Analysis of Strong Ground Motion Data recorded in Greece during the Samos Island Earthquake Mw7.0
9	14.25 – 14.50	Recep Cakir, S. Altun, H. Sozbilir	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	George F. Karakaisis 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	Taygun Uzelli, 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	Ioanna Triantafyllou, G.A. Papadopoulos, E. Lekkas	The strong Samos earthquake (M _w 6.3) of 11 August 1904 and its aftershocks revisited
14	16.45 – 17.10	Niki Evelpidou, 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	Dimitris Galanakis, S. Sboras and K. Kontodimos	Macroscopic and geotechnical observations after the October 30, 2020 (Mw6.7) 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, Achievements and Requirements 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 Özsoz, O. Ankara 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 Chatzpetros, 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. Özkeymak, C. Özer Yiğit, H.İ. Solak, E.E. Eyübaglı, 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. Chatzpetros, 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 Izmir Gulf Using High Resolution Seismic Data
29	17.10 – 17.35	Nasim Mozafari, Ö. Sümer, Ç. Özkeymak, D. Tikhomirov, B. Uzel, S. Yesilyurt, 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. Chatzpetros, S. Sboras, D. Galanakis, Ch. Pikridas, S. Bitharis, I. Lazos, E. Kremastis, A. Chatzioannou and I. Papaioannou	The northern Thessaly strong earthquakes of March 3 rd and 4 th and their neotectonic setting. Preliminary results