

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

Thursday, 20 May 2021 - Friday, 21 May 2021

Turkey Programme

Table of contents

Thursday 20 May 2021	1
Please use the full screen mode to see the names of all authors, the entire title and the presentation time in detail. ..	1
Opening Speeches	1
SESSION I	2
Lunch Break	3
SESSION II	3
Friday 21 May 2021	4
Please use the full screen mode to see the names of all authors, the entire title and the presentation time in detail. ..	4
SESSION III	4
POSTER SESSION	5
Lunch Break	6
SESSION IV	6

Thursday 20 May 2021

Please use the full screen mode to see the names of all authors, the entire title and the presentation time in detail. (09:00-09:01)

Opening Speeches: Opening Speeches (20 May 2021, 09:30-10:00)

SESSION I: Morning: Active Tectonics and Seismicity, Chair – Spyros Pavlides (20 May 2021, 10:00-13:10)

time [id] title

10:00	[1] Active Tectonics of the broader Aegean region. New challenges (25 minutes) <i>Presenter: SPYROS PAVLIDES, A. CHATZIPETROS, S. SBORAS, E. DELOGKOS AND I. LAZOS,</i>
10:25	[6] Slab dynamics and seismicity distribution in the Hellenic Arc (25 minutes) <i>Presenter: GIAN MARIA BOCCHINI</i>
10:50	[28] Offshore geomorphology and seismic profiling data indicate active extension, transtension and strike-slip tectonics in the Aegean Region (25 minutes) <i>Presenter: DIMITRIS SAKELLARIOU AND K. TSAMPOURAKI-KRAOUNAKI</i>
11:15	[3] 3D rheological modelling of the Aegean Region and its implications for the seismotectonics of the area (25 minutes) <i>Presenter: MASSIMILIANO MAGGINI AND R. CAPUTO</i>
11:40	COFFEE BREAK (15 minutes)
11:55	[5] Earthquake Geology for SHA in the Aegean Region: single-event effects versus cumulative effects (25 minutes) <i>Presenter: RICCARDO CAPUTO</i>
12:20	[4] Active tectonics and paleoseismology of seismic sources located on land in the vicinity of the city of İzmir, western Anatolia, Turkey (25 minutes) <i>Presenter: HASAN SÖZBİLİR, Ç. ÖZKAYMAK, Ö. SÜMER, M. SOFTA, J.Q.G. SPENCER, S. ESKİ, Ç. TEPE, B. GEÇKİN, U. ÖNCÜ, E. ŞAHİNER, M. YÜKSEL, N. MERİÇ, M.TOPAKSU</i>
12:45	[29] Multi-hazard approach in managing earthquake emergencies amid evolving biological hazards: lessons from the 2020 Samos (Eastern Aegean) earthquake amid the COVID-19 pandemic (25 minutes) <i>Presenter: SPYRIDON MAVROULIS, A. KOUROU, M. MAVROULI, T. THOMA, M. MANOUSAKI, N. KARVELEAS AND E. LEKKAS</i>

Lunch Break (13:10-14:00)

SESSION II: Afternoon: 30 October 2020 Samos Earthquake, Chair – Riccardo Caputo (20 May 2021, 14:00-18:00)

time [id] title

14:00	[30] Analysis of Strong Ground Motion Data recorded in Greece during the Samos Island Earthquake Mw7.0 (25 minutes) <i>Presenter: DIMITRIS SOTIRIADIS, Z. ROUMELIOTI, I. KALOGERAS, K. KONSTANTINIDOU, N. MELIS, N. THEODULIDIS, P. PELEKIS, B. MARGARIS</i>
14:25	[19] Rapid Damage Assessments in and around the City of Izmir by using NASA-ARIA Damage Proxy Maps: Case Study for the 30 October 2020 Mw6.9 Samos Earthquake (25 minutes) <i>Presenter: RECEP ÇAKIR, S. ALTUN, H. SOZBILIR</i>
14:50	[25] Seismicity Variations Preceding the Samos, 30 October 2020 (Mw=7.0) Earthquake at Eastern Aegean (25 minutes) <i>Presenter: GEORGE F. KARAKAISIS AND E.M. SCORDILIS</i>
15:15	[31] Possible precursory anomalies in groundwater level and geothermal resources associated with before and after the October 30, 2020, Samos Earthquake (25 minutes) <i>Presenter: TAYGUN UZELLI, E. BILGIÇ, B. ÖZTÜRK, A. BABA, H. SÖZBILIR AND O. TATAR</i>
15:40	COFFEE BREAK (15 minutes)
15:55	[32] Impacts of the 2020 Samos earthquake in the modeling of ancient seismic events (25 minutes) <i>Presenter: STATHIS C. STIROS</i>
16:20	[33] The strong Samos earthquake (Ms6.3) of 11 August 1904 and its aftershocks revisited (25 minutes) <i>Presenter: IOANNA TRIANTAFYLLOU, G.A. PAPADOPOULOS, E. LEKKAS</i>
16:45	[21] The earthquake of 30th October 2020 at Samos: Relative sea level changes and impacts on the coastal zone (25 minutes) <i>Presenter: NIKI EVELPIDOU, A. KARKANI AND I. KAMPOLIS</i>
17:10	[34] Macroseismic and geotechnical observations after the October 30, 2020 (Mw6.7) Samos-Kuşadası earthquake (25 minutes) <i>Presenter: DIMITRIS GALANAKIS, S. SOTIRIS AND K. KONSTANTINOS</i>
17:35	[23] Urgency of Building Inventory Studies for Seismic Risk Prioritization Towards Hazard Resilient İzmir (25 minutes) <i>Presenter: ÖZGÜR ÖZÇELİK</i>

Friday 21 May 2021

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SESSION III: Morning: Tsunami, Chair – Ahmet Cevdet Yalçiner (21 May 2021, 09:30-11:50)

time [id] title

09:30	[11] Japanese Experience on Tsunami Hazard from Assessment to Preparedness - role of Tsunami Engineering Laboratory (TEL) in Tohoku University (25 minutes) <i>Presenter: FUMIHIKO IMAMURA</i>
09:55	[12] European fault-source models for seismic hazard and tsunami hazard applications: a focus on the East Mediterranean (25 minutes) <i>Presenter: BASILI, Roberto</i>
10:20	[13] Realities, Achievements and Requirements for Tsunamis in the Eastern Mediterranean and Aegean Regions (25 minutes) <i>Presenter: AHMET CEVDET YALÇINER, G. GÜNEY DOĞAN,</i>
10:45	[14] Tsunami hazard, warning, and risk reduction in Italy and in the Mediterranean Sea (25 minutes) <i>Presenter: STEFANO LORITO</i>
11:10	[15] Development of Disaster Prevention Platform in Coastal Resilient Community (25 minutes) <i>Presenter: TARO ARIKAWA</i>
11:35	COFFEE BREAK (15 minutes)

POSTER SESSION (21 May 2021, 11:50-12:30)

time [id] title

11:50	[36] Submarine Stratigraphic and Structural Features Offshore of Küçük Menderes Graben (North of Samos Island) and Surroundings By High Resolution Seismic Reflection Method (5 minutes) <i>Presenter: SAVAŞ GÜRÇAY, G. ÇİFTÇİ</i>
11:55	[37] Precursor Analysis of 30 October 2020 Samos Earthquake Using Swarm A, B and C Magnetic Data (5 minutes) <i>Presenter: İLKIN ÖZSÖZ, O. ANKAYA PAMUKÇU</i>
12:00	[38] Non-Linear Soil Behavior Analysis of Collapsed Building After the Samos Earthquake (30.10.2020 Mw=6.9) (5 minutes) <i>Presenter: YAPRAK İPEK, M. AKGÜN, Ö. C. ÖZDAĞ</i>
12:05	[39] The Sisam (Samos) Earthquake of October 30, 2020, and its Aftershocks (5 minutes) <i>Presenter: MEHMET UTKU</i>
12:10	[40] Palaeoseismic History of the Manisa Fault Zone, Western Anatolia (5 minutes) <i>Presenter: İSMAIL DURAN, H. SÖZBİLİR, S. ESKİ, M. SOFTA, H. UYTUN, M. YÜKSEL AND M. TOPAKSU</i>
12:15	[45] POSTER DISCUSSION (15 minutes)

Lunch Break (12:30-14:00)

SESSION IV: Afternoon: Geodesy and Active Tectonics, Chair – Hasan Sözbilir (21 May 2021, 14:00-18:00)

time [id] title

14:00	[16] Coseismic deformation field retrieval from Satellite SAR Interferometry for offshore (nearby coastline) earthquakes: hints from recent case studies in the Eastern Aegean Sea (25 minutes) <i>Presenter: SALVATORE STRAMONDO</i>
14:25	[17] How can geodetic data help identify regional and local crustal deformation patterns? examples from the broader Aegean area (25 minutes) <i>Presenter: ALEXANDROS CHATZIPETROS, I. LAZOS</i>
14:50	[42] GPS Derived Finite Source Mechanism of the 30 October 2020 Samos Earthquake, Mw6.9 (25 minutes) <i>Presenter: BAHADIR AKTUĞ, İ. TIRYAKIOĞLU, H. SÖZBİLİR, H. ÖZENER, Ç. ÖZKAYMAK, C. ÖZER YIĞIT, H.İ. SOLAK, E.E. EYÜBAGIL, B. GELİN, O. TATAR, M. SOFTA</i>
15:15	[43] Field observations and InSAR analysis for mapping environmental effects induced by the October 30, 2020, Mw = 7.0, Samos (Eastern Aegean Sea, Greece) earthquake (25 minutes) <i>Presenter: SPYRIDON MAVROULIS, I. TRIANTAFYLLOU, A. KARAVIAS, M. GOGOÜ, K.N. KATSETSIADOU, E. LEKKAS, G.A. PAPAPOULOS, I. PARCHARIDIS</i>
15:40	[41] Source modelling and stress transfer scenarios of the October 30, 2020 Samos earthquake: seismotectonic implications (25 minutes) <i>Presenter: SOTIRIS SBORAS, I. LAZOS, S. BITHARIS, C. PIKRIDAS, D. GALANAKIS, A. FOTIOU, A. CHATZIPETROS, S. PAVLIDES</i>
16:05	COFFEE BREAK (15 minutes)
16:20	[10] Seismotectonic Implications of Karaburun Peninsula, Kuşadası Gulf and Samos Island (25 minutes) <i>Presenter: ONUR TAN, V. KARAKOSTAS AND E. PAPADIMITRIOU</i>
16:45	[8] Active Faults of the İzmir Gulf Using High Resolution Seismic Data (25 minutes) <i>Presenter: DERMAN DONDURUR, S. ÇOŞKUN, M.G. DRAHOR</i>
17:10	[20] Beyond the historical records in western Anatolia: cosmogenic ³⁶ Cl as the direct tracker of normal fault activity (25 minutes) <i>Presenter: NASIM MOZAFARI, Ö. SÜMER, Ç. ÖZKAYMAK, D. TIKHOMIROV, B. UZEL, S. YEŞİLYURT, S. IVY-OCHS, C. VOCKENHUBER, H. SÖZBİLİR AND N. AKÇAR</i>
17:35	[26] The northern Thessaly strong earthquakes of March 3rd and 4th and their neotectonic setting. Preliminary results (25 minutes) <i>Presenter: SPYROS PAVLIDES, A. CHATZIPETROS, S. SBORAS, D. GALANAKIS, CH. PIKRIDAS, S. BITHARIS, I. LAZOS, E. KREMASTAS, A. CHATZIOANNOU AND I. PAPAIOANNOU</i>