

Res. Asst. Mehmet Safa ARSLAN

Personal Information

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Education Information

2017 - Continues	Doctorate, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Geophysics Engineering, Turkey
2013 - 2016	Postgraduate, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Geophysics Engineering, Turkey
2008 - 2013	Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Geophysical Engineering, Turkey

Foreign Languages

English, B1 Intermediate Japanese, A1 Beginner

Certificates, Courses and Trainings

2020	Python Programming Course - 2, IT, Middle East Technical University
2020	Python Programming Course - 1, IT, Middle East Technical University
2020	Introduction to Mobile Programming with App Inventor, IT, Middle East Technical University
2017	Modeling and Analysis of Sub-Soil Structure and Estimation of Strong Ground Motion Course, Data Analysis, Tokyo Institute of Technology - 東京工業大学
2017	Learning Open Source Data Analysis Program Winsystem and Repeating Earthquake, Education Management and Planning, Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
2017	2D,3D and 4D, in both Marine and Land, Seismic Data Acquisition and Data Processing Certificate Program, 16 week, İstanbul University, taken by Turgay Tarık GONULALAN (Retired Infield Senior Geophysicist), Education Management and Planning, İstanbul University
2014	Occupational Health and Safety Specialist (C), Occupational Health and Safety, Republic of Turkey Ministry of Family Labour and Social Security

Dissertations

2016	Research On The Earthquake Hazard Mitigation In The Tekirdag Province By Multi Geophysical Parameters, İstanbul University, Institute Of Graduate Studies In Sciences, Mühendislik Fakültesi Bölümü, Postgraduate
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Research Areas

Geophysical Engineering, Seismology, Earthquake Seismology, Applied Geophysics, Search Seismology, Gravity, Ground

Academic Titles / Tasks

2018 - Continues	Research Assistant, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Geophysical Engineering
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Academic and Administrative Experience

2021 - Continues	Occupational Health And Safety Specialist, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Geophysical Engineering
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Courses

2018 - 2019	Uygulamalı Sismoloji (Uyg.), Undergraduate
2018 - 2019	Saha Sismolojisi (Uyg.), Undergraduate
2018 - 2019	Fizik 2 Lab, Undergraduate
2017 - 2018	Fizik 1 Lab, Undergraduate

Articles Published in Other Journals

- I. **Comparison of trimmed mean, Empiric Mode Decomposition and robust regression methods for filtering VLF data with outliers**
B. Tekkeli A., Üge M. A. , Arslan M. S.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.24, no.70, pp.7-18, 2022 (National Refreed University Journal)

Refreed Congress / Symposium Publications in Proceedings

- I. **Inversion of VLF Data Using a Non-Linear Smoothing Operator**
Üge M. A. , Karcıoğlu G., B. Tekkeli A., Arslan M. S.
NSG2021 27th European Meeting of Environmental and Engineering Geophysics, Bordeaux, France, 29 August - 02 September 2021, vol.2021, no.2021, pp.1-5
- II. **Turkey-Japan Joint Project on Modeling of Geological Structures for Strong Ground Motion Simulations due to Crustal Earthquakes in Eskisehir Basin, Turkey, by Using Seismic Interferometry Method**
Arslan M. S. , Chimoto K., Özel A. O. , Yamanaka H.
Japan Geoscience Union, Chiba, Japan, 26 - 30 May 2019, pp.1
- III. **Turkey-Japan Joint Project on Modeling of Geological Structures for Strong Ground Motion Simulations due to Crustal Earthquakes in Eskisehir Basin, Turkey**
Özel A. O. , Yamanaka H., Tanrıcan G., Tsuno S., Chimoto K., Yalçınkaya E., Miyake H., Tün M., Pekkan E., Kaplan O., et al.
EGU General Assembly 2019, Vienna, Austria, 07 April 2019, vol.21, no.3319, pp.1
- IV. **RESEARCH on THE EARTHQUAKE HAZARD MITIGATION in THE TEKIRDAG PROVINCE by MULTI GEOPHYSICAL PARAMETERS**
Arslan M. S. , Özel A. O.
4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Eskişehir, Turkey, 11 - 13 October 2017, pp.1

- V. **Microtremor Array Measurement Survey and Strong Ground Motion Observation Activities of the SATREPS, MarDiM Project, Turkey**
 ÇITAK S. Ö. , ARSLAN M. S. , KARAGÖZ Ö., CHIMOTO K., ÖZEL A. O. , YAMANAKA H., AKŞAHİN B. B. , HATAYAMA K., OHORİ M., HORİ M.
 Japan Geoscience Union (JpGU2017), Chiba, Japan, 20 - 25 May 2017, vol.SSS15, no.25, pp.1
- VI. **Microtremor Array Measurement Survey and Strong Ground Motion observation activities of The SATREPS, MarDiM project –Part 3-**
 ÇITAK S. Ö. , ARSLAN M. S. , CHIMOTO K., KARAGÖZ Ö., ÖZEL A. O. , YAMANAKA H.
 European Geophysical Union 2017, Viyana, Austria, 23 - 28 April 2017, pp.1
- VII. **Preliminary Results of Bedrock Variations in the Tekirdag Region (NW Turkey) by Multidisciplinary Geophysical Methods for Earthquake Hazard Mitigation**
 TUNÇER M. K. , Arslan M. S. , ÖZEL A. O. , İşseven T., Genç T., Akşahin B. B.
 AGU Fall Meeting 2016, San Francisco, United States Of America, 12 - 16 December 2016, pp.1
- VIII. **Microtremor Array Measurement Survey and Strong Ground Motion observation activities of The SATREPS, MarDiM project -Part 2-**
 Citak S., Karagoz O., Chimoto K., ÖZEL A. O. , Yamanaka H., Arslan S., Aksahin B., Hatayama K., Ohori M., Hori M.
 European Geophysical Union 2016, Viyana, Austria, 17 - 22 April 2016, pp.1
- IX. **Broad band data and noise observed with surface station and borehole**
 TUNÇ S., ÖZEL A. O. , ARSLAN M. S. , AKŞAHİN B. B. , Hatipoglu ., Yalcintepe R. C. , ADA S., ÖZEL N. M.
 European Geosciences Union General Assembly 2016, Vienna, Austria, 17 - 22 April 2016, vol.18, no.12462, pp.1
- X. **Determination of Bedrock Variations and S-wave Velocity Structure in the Tekirdag Region (NW Turkey) by Integrated Geophysical Methods for Earthquake Hazard Mitigation**
 ÖZEL A. O. , Arslan M. S. , Akşahin B. B. , İşseven T., Genç T., TUNÇER M. K.
 Japan Geoscience Union Meeting, San Francisco, United States Of America, 14 - 18 December 2015, pp.1
- XI. **Dominant Frequency Distribution in and Around Tekirdağ Region**
 Akşahin B. B. , Arslan M. S. , Özel A. O.
 3. National Conference On Earthquake Engineering And Seismology, İzmir, Turkey, 14 - 16 October 2015, pp.1
- XII. **Investigation of Büyükçekmece (Istanbul) Landslide Area by Geophysical Methods**
 Yalçinkaya E., Alp H., Martino S., Özel A. O. , Görgün E., Lenti L., Bigarre P., Arslan M. S. , Akşahin B. B.
 3. National Conference On Earthquake Engineering And Seismology, İzmir, Turkey, 14 - 16 October 2015, no.113, pp.1-7
- XIII. **Data Recording Quality and Background Noise Analysis on Earthquake Recording Stations in and Around Tekirdağ**
 Duran P., Arslan M. S. , Özel A. O.
 3. National Conference On Earthquake Engineering And Seismology, İzmir, Turkey, 14 - 16 October 2015
- XIV. **RESEARCH on THE EARTHQUAKE HAZARD MITIGATION in THE TEKIRDAG PROVINCE by MULTI GEOPHYSICAL PARAMETERS**
 Arslan M. S. , Özel A. O. , Akşahin B. B. , Genç T., İşseven T., Tunçer M. K. , Karabulut S.
 3. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, İzmir, Turkey, 14 - 16 October 2015, pp.1-8
- XV. **Urban Geological Mapping in Tekirdag Region (NW of Turkey) by Integrated Geophysical Methods for Disaster Mitigation**
 ÖZEL A. O. , Arslan M. S. , Akşahin B. B. , Genc T., Isseven T., TUNÇER M. K. , YALÇINKAYA E.
 Japan Geoscience Union Meeting 2015, Chiba, Japan, 24 - 28 May 2015, pp.1

Memberships / Tasks in Scientific Organizations

2019 - Continues	European Association of Geoscientists & Engineers, Member
2019 - Continues	American Geophysical Union (AGU), Member
2019 - Continues	Japan Geoscience Union (JpGU), Member
2017 - Continues	Seismological Society of America (SSA), Member
2015 - Continues	Society of Exploration Geophysicists (SEG), Member

2013 - Continues

TMMOB Jeofizik Mühendisleri Odası, Member

Edit Congress and Symposium Activities

2021	6th International Conference on Earthquake Engineering and Seismology (6ICEES), Panelists, İstanbul, Turkey
2019	Japan Geoscience Union (JpGU), Panelists, Chiba, Japan
2017	International Conference on Earthquake Engineering and Seismology, Attendee, Eskişehir, Turkey
2015	National Conference on Earthquake Engineering and Seismology, Attendee, İzmir, Turkey

Awards

December 2021	Istanbul Technical University Big Bang Start-up Challenge, Istanbul Planning Agency (Ipa)
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Non Academic Experience

2013 - 2013	Business Establishment Private, İMAKSU JEOLJİ MÜHENDİSLİK LTD.ŞTİ., Saha Çalışmaları
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