



Curriculum Vitae

(Professor Cemal Ozer YIGIT, PhD)

Present Position: Professor (Full-time Academic Staff)
Gebze Technical University (GTU)
Engineering Faculty
Department of Geomatics

Main Language: Turkish

Foreign Language: English

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Education:

2019 Post-Doc. School of Earth and Planetary Sciences, Curtin University, WA, Perth, Australia
(Subject: High-rate GNSS-PPP and its application to structural health monitoring and seismo-geodesy)

2010 Ph.D. Department of Geomatics, Selcuk University, Turkey (PhD Thesis: Full-Scale Monitoring of Tall Structures Using Various Sensors and Determination of Dynamic Parameters)

2003 M.Sc. Department of Geomatics, Selcuk University, Turkey (M.Sc.Thesis: The Comparison of the Interpolation Methods Used in Transformation of Ellipsoidal Heights to Orthometric Heights)

2000 B.Sc. Department of Geomatics, Selcuk University, Turkey

Main Research Interests:

- Geodetic deformation monitoring and analysis
- GNSS, PPP (Precise Point Positioning)
- Structural Health Monitoring
- Earthquake and Natural Hazard Early Warning
- Time Series Analysis
- Digital Signal Processing
- Statistic
- Programming

Professional Positions (Brief Biography):

- August 2020, Professor (Department of Geomatics, Gebze Technical University, Turkey)
- July 2018 – August 2019, Visiting Research Fellow - Post-Doc - **School of Earth and Planetary Sciences, Curtin University, WA, Perth, Australia**, supported by TÜBİTAK-BİDEB 2219 Fellowship (<https://scieng.curtin.edu.au/schools/school-of-earth-and-planetary-sciences/>).
- April 2015, promoted Assoc. Professor (Department of Geomatics, Gebze Technical University, Turkey)
- June 2012, promoted Assis. Professor (Department of Geomatics, Gebze Institute of Technology, Turkey)
- April 2011-March 2012, General Command of Mapping - Remote Sensing Division-Turkey
- February 2011, promoted Assis. Professor (Department of Geomatics, Selçuk University, Turkey)
- July 2010, awarded PhD
- April 2010-June 2010: Visiting Academic at **School of Civil and Environment(CVEN), The University of New South Wales(UNSW), Sydney, Australia** (<http://www.civeng.unsw.edu.au/>)
- June 2008- June 2009: Visiting Research Fellow - **School of Surveying & Spatial Information System(SSIS), The University of New South Wales(UNSW), Sydney, Australia**, supported by TÜBİTAK-BİDEB 2214 Fellowship. <http://www.civeng.unsw.edu.au/>)
- 2004-2010: PhD student in the Geomatics Department, Selçuk University, Turkey.
- 2001-2003: Master student at the Geomatics Department, Selçuk University, Turkey.
- December 2000 : Research Assistant at the Geomatics Department, Selçuk University, Turkey.
- 1996 – 2000: Undergraduate student at the Geomatics Department, Selçuk University, Turkey.

LIST OF PUBLICATION

Refereed Journal Papers (International)

1. İnal C., Şanlıoğlu İ., **Yigit C.O.** (2008) Scaling of EDM Calibration Baselines By GPS and Controlling of EDM Parameters, Survey Review, 40(309), 304-312
2. Yetkin İ., İnal C., **Yigit C.O.** (2009) Use of the particle swarm optimization algorithm for second order design of levelling networks, Journal of Applied Geodesy, 3(3), 171–178, DOI 10.1515/JAG.2009.018
3. **Yigit C.O.**, Li, X., İnal, C., Ge, L., Yetkin, M. (2010) Preliminary evaluation of precise inclination sensor and GPS for monitoring full-scale dynamic response of a tall reinforced concrete building, Journal of Applied Geodesy, 4(2), 103-113, DOI : 10.1515/JAG.2010.010
4. Yetkin M., İnal C., **Yigit, C.O.** (2011) The Optimal Design of Baseline Configuration in GPS Networks by using the Particle Swarm Optimization Algorithm, Survey Review, 43(323), 700-712
5. Alçay S, İnal C, **Yigit C.O.**, Yetkin M. (2012) Comparing Glonass-Only with GPS-Only and Hybrid Positioning in Various Length of Baselines, Acta Geod. Geop. Hung. 47(1), 1-12, DOI: 10.1556/AGeod.47.2012.1.1
6. Alçay S., **Yigit C.O.**, Seemala G., Ceylan A. (2014) GPS-Based Ionosphere Modeling: A Brief Review, Fresenius Environmental Bulletin, 23(3a), 815-824

7. **Yigit C.O.**, Gikas V., Alcay S., Ceylan A. (2014) Performance evaluation of short to long term GPS, GLONASS and ,GPS/GLONASS post-processed PPP, Survey Review, 46(3), 155-166, DOI:10.1179/1752270613Y.00000000068
8. **Yigit C.O.** (2016) Experimental assessment of post-processed kinematic Precise Point Positioning method for structural health monitoring, Geomatics, Natural Hazards and Risk, 7(1), 363-368, DOI:10.1080/19475705.2014.917724
9. **Yigit C.O.**, Alcay S., Ceylan A. (2016) Displacement response of a concrete arch dam to seasonal temperature fluctuations and reservoir level rise during the first filling period: evidence from geodetic data, Geomatics, Natural Hazards and Risk, 7(4): 1489-1505, DOI:10.1080/19475705.2015.1047902
10. Harman B.İ., Koseoglu H., **Yigit C.O.** (2016) Performance evaluation of IDW, Kriging and Multiquadric Interpolation Methods in Producing Noise Mapping: A case study at the city of Isparta, Turkey. Applied Acoustics, 112:147-157, DOI:10.1016/j.apacoust.2016.05.024
11. **Yigit C.O.**, Coskun M.Z., Yavasoglu H., Arslan A., Kalkan Y. (2016) The potential of GPS Precise Point Positioning Method for Point Displacement Monitoring: A Case Study, Measurement, 91: 398-404 DOI:10.1016/j.measurement.2016.05.074
12. Alcay S., **Yigit C.O.** (2016) Network Based Performance of GPS-only and Combined GPS/GLONASS Positioning Under Different Sky View Conditions, Acta Geod. Geop., DOI:10.1007/s40328-016-0173-5
13. **Yigit C.O.**, Eralp G. (2017) Experimental testing of high-rate GNSS precise point positioning (PPP) method for detecting dynamic vertical displacement response of engineering structures, Geomatics, Natural Hazards and Risk, doi:10.1080/19475705.2017.1284160
14. Tiryakioğlu I., **Yigit C.O.**, Yavasoglu H., Saka M.H., Alkan R.M. (2017) The Determination of Interseismic, Coseismic and Postseismic deformations caused by the Gökçeada-Samothraki Earthquake (2014, Mw:6.9) based on GNSS data, Journal of African Earth Sciences, 133: 86-94. doi: 160;10.1016/j.jafrearsci.2017.05.012
15. Alcay S., **Yigit C.O.**, Inal C., Ceylan A. (2017) Analysis of displacement response of the Ermenek dam monitored by an integrated Geodetic and Pendulum System, International Journal of Civil Engineering, doi: 10.1007/s40999-017-0211-x
16. Yavaşoğlu H.H., Kalkan Y., Tiryakioğlu İ., **Yigit C.O.**, Özbey V., Alkan M.N., Bilgi S., Alkan R.M. (2017) Monitoring the deformation and strain analysis on the Ataturk Dam, Turkey. Geomatics Natural Hazards and Risk. doi: 10.1080/19475705.2017.1411400
17. Tiryakioğlu İ., Aktuğ B., **Yigit C.O.**, Yavaşoğlu H.H., Sözbilir H., Özkaymak Ç., Poyraz F., Taneli E., Bulut F., Doğru A., Özener H. (2018) Slip distribution and source parameters of the 20 July 2017 Bodrum-Kos earthquake (Mw6.6) from GPS observations. Geodinamica Acta, 30(1): 1-14. doi: 10.1080/09853111.2017.1408264
18. Kaloop M.R., **Yigit C.O.**, Hu J.W. (2018) Analysis of the Dynamic Behavior of Structures Using the High-Rate GNSS-PPP Method Combined with a Wavelet-Neural Model: Numerical Simulation and Experimental Tests. Advances in Space Research. 61(6): 1512-1524. doi: 10.1016/j.asr.2018.01.005
19. Alcay S., Ogutcu S., Kalayci I., **Yigit C.O.** (2019) Displacement monitoring performance of relative positioning and Precise Point Positioning (PPP) methods using simulation apparatus, Advances in Space Research, 63:1697-1707. doi: 10.1016/j.asr.2018.11.003
20. Bezcioglu M., **Yigit C.O.**, El-Mowafy A. (2019) Kinematic PPP-AR in Antarctic: Comparing Methods for Precise Positioning, Sea Technology, 60(2):20-23
21. Tiryakioğlu İ., **Yigit C.O.**, Özkaymak Ç., Baybura T., Yılmaz M., Uğur M.A., Yalçın M.A., Poyraz F., Sözbilir H., Güllal E. (2019) Active Surface Deformations Detected By Precise Levelling Surveys In The Afyon-Akşehir Graben, Western Anatolia, Turkey, Geofizika, 36(1): 33–52. doi:10.15233/gfz.2019.36.4
22. Kaloop R.M., **Yigit C.O.**, El-Mowafy A., Dindar A.A., Bezcioglu M., Hu J.W. (2020) Hybrid Wavelet and Principal Component Analyses Approach for Extracting Dynamic Motion Characteristics from Displacement Series Derived from Multipath-affected High-rate GNSS Observations, Remote Sensing, 12(1):79, doi: 10.3390/rs12010079

23. Kaloop M.R., **Yigit C.O.**, Dindar A.A., Elshawary M., Hu J.W. (2020) Evaluation of the high-rate GNSS-PPP method for vertical structural motion, *Survey Review*, 52(371):159-171, doi: 10.1080/00396265.2018.1534362
24. **Yigit C.O.**, El-Mowafy A., Bezcioglu M., Dindar A.A. (2020) Investigating the effects of Ultra-Rapid, Rapid vs. Final Precise Orbit and Clock Products on High-rate GNSS-PPP for capturing dynamic displacements, *Structural Engineering and Mechanics*, 73(4): 427-436, doi:10.12989/sem.2020.73.4.427
25. Kaloop R.M., **Yigit C.O.**, El-Mowafy A., Bezcioglu M., Dindar A.A., Hu J.W. (2020) Evaluation of multi-GNSS high-rate relative positioning for monitoring dynamic structural movements in the urban environment, *Geomatics Natural Hazards and Risk*, 11(1): 2239-2262. doi: 10.1080/19475705.2020.1836040
26. **Yigit C.O.**, El-Mowafy A., Dindar A.A., Bezcioglu M., Tiryakioğlu I. (2021) Investigating Performance of High-Rate GNSS-PPP and PPP-AR for Structural Health Monitoring: Dynamic Tests on Shake Table, *Journal of Surveying Engineering*, 147(1): 05020011:1-14. doi: 10.1061/(ASCE)SU.1943-5428.0000343
27. Aktuğ, B., Tiryakioğlu, B., Sözbilir, H., Özener, H., Özkaymak, Ç., **Yigit, C.Ö.**, Solak, H.İ., Eyübagil, E.E., Gelin, B., Tatar, O., Softa, M. (2021) GPS Derived Finite Source Mechanism of the 30 October 2020 Samos Earthquake, Mw=6.9 in Aegean extensional region, *Turkish Journal of Earth Sciences (TJES)*, DOI: 10.3906/yer-2101-18.
28. Doğan, A., Kaygusuz, Ç., Tiryakioğlu, İ., Yigit, C.O., Sözbilir, H., Özkaymak, T., Turgut, B., (2022) Geodetic evidence for aseismic fault movement on the eastern segment of the Gediz Graben system (western Anatolia extensional province, Turkey) and its significance for settlements. *Acta Geod Geophys* 57(3), 461-476, <https://doi.org/10.1007/s40328-022-00389-1>
29. Bezcioglu M., Yigit C.O., Mazzoni A., Fortunato M., Dindar A.A., Karadeniz B. (2022) High-Rate (20 Hz) Single-Frequency GPS/GALILEO Variometric Approach for Real-Time Structural Health Monitoring and Rapid Risk Assessment, *Advances in Space Research*, 70(5), 1388-1405. doi:10.1016/j.asr.2022.05.074
30. Yigit C.O., Bezcioglu M., Ilci V., Ozulu I.M., Alkan R.M., Dindar A.A., Karadeniz B. (2022) Assessment of Real-Time PPP with Trimble RTX correction service for real-time dynamic displacement monitoring based on high-rate GNSS observations, *Measurement*, 201, 111704.
31. Tiryakioğlu, İ., Çalışkan, K., **Yigit, C.O.**, Hastaoğlu, K.O., Poyraz, F., Baybura, T., Gürlek, E., Özkaymak, Ç., (2022) The velocity of aseismic surface deformations between 2016-2020 detected by precise leveling surveys of the Akşehir Simav Fault System in the Bolvadin district, western Anatolia, *ANNAL OF GEOPHYSICS*, 65(5), GD535, doi: 10.4401/ag-8784
32. Karabulut M.F., Aykut N.O, Akpınar B., Oku Topal G., Cakmak Z.B., Doran B., Dindar A.A., **Yigit C.O.**, Bezcioglu M., Zafer A. (2022) The positioning performance of low-cost GNSS receivers in the Precise Point Positioning method, *Advances in Geodesy and Geoinformation*, 71(2), e29. doi:10.24425/agg.2022.141916
33. Bezcioglu M., **Yigit C.O.**, Karadeniz B., Dindar A.A., El-Mowafy A., Avcı, Ö. (2023) Evaluation of real-time variometric approach and real-time precise point positioning in monitoring dynamic displacement based on high-rate (20 Hz) GPS Observations, *GPS Solutions*, 27(1), 43. doi:10.1007/s10291-022-01381-6
34. Paziewski J., Stepniak K., Sieradzki R. and **Yigit C.O.** (2023) Dynamic displacement monitoring by integrating high-rate GNSS and accelerometer: on the possibility of downsampling GNSS data at reference stations, *GPS Solutions*, 27(3), 157. doi: 10.1007/s10291-023-01500-x
35. Bezcioglu M., Ucar T., **Yigit C.O.** (2023) Investigation of the capability of multi-GNSS PPP-AR method in detecting permanent displacements, *International Journal of Engineering and Geosciences*, 8(3), 251-261. <https://doi.org/10.26833/ijeg.1140959>
36. Özkan, A., Solak, H.İ., Tiryakioğlu, I., Şentürk, M.D., Aktuğ, B., Gezgin, C., Poyraz, F., Duman, H., Masson, F., Uslular, G., **Yigit, C.O.**, Yavaşoğlu, H.H. Characterization of the co-seismic pattern and slip distribution of the February 06, 2023, Kahramanmaraş (Turkey) earthquakes (Mw 7.7 and Mw 7.6) via dense GNSS network, *Tectonophysics*, 2023, 230041, ISSN 0040-1951, <https://doi.org/10.1016/j.tecto.2023.230041>.

37. Bahadır B., Bezcioglu M., **Yigit C.O.** (2024) PPPH-VA: an open-source software for real-time multi-GNSS variometric approach using single- and dual-frequency observations, *GPS Solutions*, 28(1), 31, <https://doi:10.1007/s10291-023-01560-z>
38. Bezcioglu M., **Yigit C.O.**, Dindar A.A., El-Mowafy A., Wang K. (2024) High-rate single-frequency precise point positioning (SF-PPP) in the detection of structural displacements and ground motions, *Structural Engineering and Mechanics*, 89(6): 589-599, doi:10.12989/sem.2024.89.6.589
39. Bezcioglu M., **Yigit C.O.** (2024) An evaluation of the positioning ability of the real-time ionosphere-free single-frequency precise point positioning technique in the Arctic and Antarctic polar regions under different ionospheric scintillations, *Measurement*, 232, 114702, doi:10.1016/j.measurement.2024.114702
40. Bahadır B., Bezcioglu M., **Yigit C.O.** (2024) Evaluation of the single-frequency variometric approach based on low-cost GNSS observations and different satellite combinations for detecting short-term dynamic behaviors, *Measurement Science and Technology*, 35(8), 086317, doi:10.1088/1361-6501/ad48a1.
41. Oku Topal G., Akpınar B., Karabulut M. F., Aykut N. O., Yiğit C. Ö., Dindar A. A., et al. (2024) Performance of Low-Cost GNSS in Structural Health Monitoring Studies: Shake Table Tests, *Experimental Techniques*, doi: 10.1007/s40799-024-00710-3, <https://link.springer.com/article/10.1007/s40799-024-00710-3>

Refereed Journal Papers (National)

1. İnal C., **Yiğit C.Ö.**, (2004), Elipsoidal Yüksekliklerin Ortometrik Yüksekliğe Dönüşümünde Enterpolasyon Yöntemlerinin Kullanılabilirliği, S.Ü. müh.Mim.Fakültesi dergisi, 19, 1, 73 - 83, Konya
2. İnal C., Şanlıoğlu İ., **Yiğit C.Ö.**, Ayhan Ceylan , (2005), Kontrol Bazlarının Gps Ile Ölçeklendirilebilirliği, S. Ü. Müh. Mim. Fak. Dergisi, 20, 2, 47 - 54, Konya
3. Yetkin, M., İnal, C., **Yiğit, C.Ö.** (2009) Ölçülerin Korelasyonlu Olması Durumunda Robust Kestirim, HKM, Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi 2009/1:100(21-26)
4. **Yiğit C.Ö.**, İnal C. (2011) Yüksek Bir Binanın Rüzgar Tepkisinin Farklı Sensörler ile Tam Ölçekli İzlenmesi ve Sensör Entegrasyonuna İlişkin Ön Analiz Sonuçları ,HKM, Jeodezi, Jeoinformasyon ve Arazi Yönetimi Dergisi 2011/1 sayı: 104 (30-40)
5. Alçay S., **Yiğit C.Ö.**, Ceylan A. (2013) CSRS-PPP, magicGNSS ve APPS Web Tabanlı Yazılımların Statik PPP Modüllerinin Karşılaştırılması, Harita Teknolojileri Elektronik Dergisi, 5(1) 1-12
6. Saka M.H., **Yiğit C.Ö.** (2014) Tek GPS Alıcısı Ölçülerinin Değerlendirmesinde Yeni Bir Kinematik Algoritma ve Yapısal Titreşimleri Belirleme Kabiliyeti, Harita Teknolojileri Elektronik Dergisi, 6(2), 49-55
7. **Yiğit C.Ö.**, Özdemir B.N., Alçay S., Ceylan A. (2016) CSRS-PPP Yazılımının Uzun Dönemli GNSS Zaman Serilerinin Oluşturulmasında ve Nokta Hızlarının Kestirilmesinde Kullanılabilirliği, Harita Dergisi, 155: 23-31
8. **Yiğit C.Ö.**, Arslan M., Çalışkan E. (2016) GPS-PPP ve GPS/GLONASS-PPP Yöntemlerinin Konum Belirleme Performanslarının Ölçü Süresine Bağlı Olarak Değerlendirilmesi, Harita Teknolojileri Elektronik Dergisi, 8(1): 22-39.
9. Bezcioglu M., **Yiğit C.Ö.**, Bodur M.N. (2019) Kinematik PPP-AR ve Geleneksel PPP Yöntemlerin Performanslarının Değerlendirilmesi: Antarktika Yarımadası Örneği, AKÜ FEMÜBİD, 19(1): 162-169. Doi:10.35414/akufemubid.467336
10. Karadeniz B., Bezcioglu M., Bilgen Ö.F., **Yiğit C.Ö.** (2021) GPS/Galileo PPP-AR ve PPP Yöntemlerinin Doğruluklarının Gözlem Süresi ve Uydu Kombinasyonları Açısından İncelenmesi, AKÜ FEMÜBİD, 21: 1377-1392. Doi:10.35414/akufemubid.1003382 [Download]
11. Bezcioglu M., Karadeniz B., **Yiğit C.Ö.**, Dindar A.A., Bezir F., Avcı Ö. (2022) Gerçek Zamanlı GNSS VADASE yaklaşımının Dinamik Deplasmanları Yakalayabilme Kabiliyetinin İncelenmesi, Harita Dergisi, 167, 1-11. [Download]

- 12 .Karadeniz B.,Bezcioglu M.,**Yigit, C.Ö.**, Dindar A.A., Avcı, Ö. (2022). Gerçek Zamanlı GNSS VADASE Yaklaşımının Düşey Yönlü Dinamik Hareketleri Yakalayabilme Kabiliyetinin İncelenmesi, AKÜ FEMÜBİD, 22(3), 626-636. doi:10.35414/akufemubid.1066489
13. Bezcioglu M., **Yigit, C.Ö.**, Dindar, A.A., Avcı, Ö. (2022). Yüksek zamansal çözünürlüklü çoklu-GNSS PPP-AR yönteminin yatay yönlü dinamik davranışları tespit edebilme yeteneğinin değerlendirilmesi, Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, 11(4), 952-960. <https://doi.org/10.28948/ngumuh.1141383>.

International Conference Papers

1. İnal C., **Yigit C.O.**, (2006), S Transformation and Q2 Criterium Approach At Determination Of Horizontal Deformations , XXIII . FIG Congress , Munich, Germany
2. Ceylan A., Mutluoglu Ö., **Yigit C.O.**, (2006), Cost and Accuracy Analysis Of Detail Measurements By Real-Time Kinematic Gps (Rtk-Gps), XXIII FIG Congress, Munich, Germany
3. **Yigit C.O.**, Inal C., (2006), An Improved Programme For Deformation Analysis Of Vertical Networks, XXIII . FIG Congress , Munich, Germany
4. Üstün A., Abbak R.A., **Yigit C.O.**, Tuşat E., (2007), Trend And Correlation Analysis Of Groundwater Levels In Konya Closed Basin, The International Union of Geodesy and Geophysics(IUGG) XXIV Assembly, 2-13 July 2007, Italy
5. **Yigit C.O.**, İnal C., Yetkin İ. (2008), Monitoring of Tall Building's Dynamic Dynamic Behaviour Using Precision Inclination Sensors, Measuring the Changes-13th FIG Symposium on Deformation Measurements and Analysis, 4th IAG Symposium on Geodesy for Geotechnical and Structural Engineering, 12-15 May, Lisbon-Portugal.
6. Yetkin İ., İnal C., **Yigit C.O.**, (2008), Optimal Design of Deformation Monitoring Networks By Using PSO Algorithm Measuring the Changes-13th FIG Symposium on Deformation Measurements and Analysis, 4th IAG Symposium on Geodesy for Geotechnical and Structural Engineering, 12-15 May, Lisbon-Portugal.
7. **Yigit, C.O.**, Li, X., Inal, C., Ge, L., Yetkin, M. and Arslan M.H. (2010). Analysis of wind-induced response of tall reinforced concrete building based on data collected by GPS and precise inclination sensor. XXIV FIG Int. Congress "Facing the Challenges - Building the Capacity", 11-16 April Sydney, Australia
8. Alçay,S., İnal,C.,**Yigit, C.O.** (2011) Evaluation of the repeatabilities of GPS, GPS +GLONASS and GLONASS Results in various Length of Baseline,FIG Working Week, Munich Germany
9. Alçay, S., İnal, C., **Yigit, C.O.** (2012) Contribution of GLONASS observations on Precise Point Positioning,FIG Working Week 2012, Rome, Italy
10. Alçay, S, **Yigit, C.O.**, İnal, C. (2012) GPS Based Ionosphere Mapping Using PPP Method,FIG Working Week 2012, Rome, Italy
11. Alçay, S., **Yigit, C.O.**, Ceylan, A., (2013) Deformation Monitoring Studies in Ermenek Arch Dam, 13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Geoconference on Informatics, Geoinformatics and Remote Sensing - Conference Proceedings, Vol II, 119-126.
12. **Yigit, C.O.**, Tiryakioğlu, İ., Saka M.H., Alkan R.M., (2015) GNSS-Derived Coseismic Displacement of the Gökçeada Earthquake (2014, Mw:6.9) based on 1 Hz GNSS Data, European Geosciences Union, General Assembly 2015, 12-17 April 2015, Vienna, Austria.
13. Ayhan, C., **Yigit, C.O.**, Alçay, S., Ozdemir B.N. (2015) Evaluating the Performance of Kinematic PPP and Differential Kinematic Methods in Rural and Urban Areas, FIG Working Week, 17-21 May 2015, Bulgaria
- 14.Ozdemir B.N., Alçay, S., **Yigit, C.O.**, Ayhan, C., (2015) Utility Software for Web-Based PPP Applications for Automated Data Processing, FIG Working Week, 17-21 May 2015, Bulgaria
15. Sanlioglu I., Zeybek M., **Yigit C.O.**, (2016) Landslide Monitoring with GNSS-PPP on Steep-Slope and Forestry Area: Taşkent Landslide, ICENS 2016, 24-28 May 2016, Sarajevo

16. Tiryakioğlu İ., Baybura T., Özkaymak C., Yılmaz M., Ugur M.A., **Yigit C.O.**, Dindar A.A., Poyraz F., Güral E., Sözbilir H., Uysal M., Yılmaz I., Akpınar B. (2016) Monitoring the Current Tectonic Movements in Akşehir-Simav Fault System: GNSS Results, Selçuk ISCAS (International Scientific Conference on Applied Sciences), 27-30 September 2016, Antalya.
17. **Yigit C.O.**, Tiryakioğlu I., Yavasoglu H., Saka M.H., Alkan R.M. (2017) Use Of Kinematic GNSS Technology In Earthquake Early Warning Systems: Gökçeada Earthquake (2014, Mw: .6.9), 4th International Conference on Earthquake Engineering and Seismology (4th ICEES), October 11-13, 2017, Eskişehir, Turkey
18. Tiryakioğlu I., Ugur M.A., Yalçın M., Baybura T., Yılmaz M., Özkaymak Ç., **Yigit C.O.**, Dindar A.A., Poyraz F., Uysal M., Sözbilir H., Güral E. (2017) Monitoring The Current Tectonic Movements In Akşehir-Simav Fault System: Levelling Studies, 4th International Conference on Earthquake Engineering and Seismology (4th ICEES), October 11-13, 2017, Eskişehir, Turkey
19. Tiryakioğlu I., Baybura T., Özkaymak Ç., Yılmaz M., Ugur M.A., **Yigit C.O.**, Dindar A.A., Poyraz F., Güral E., Sözbilir H., Uysal M., Akpınar B. (2017) Monitoring of the Current Tectonic Movements In Akşehir-Sultandagi Fault Zone After The February 2002 (Mw: 6.2) Earthquake, 1st Euro-Mediterranean Conference for Environmental Integration (EMCEI), 22-25 November 2017, Sousse, Tunisia
20. **Yigit C.O.**, Dindar A.A., Bezcioglu M., El-Mowafy A., (2018), Evaluation of High-Rate GNSS-PPP for Monitoring Structural Health and Seismogeodesy Applications, XXVI. FIG Congress, 6-11 May 2018, Istanbul, Turkey
21. **Yigit C.O.**, Dindar A.A., El-Mowafy A., Bezcioglu M., Gikas V. (2019) Investigating the ability of high-rate GNSS-PPP for determining the vibration modes of engineering structures: small scale model experiment, 4th Joint Symposium on Deformation Monitoring, JISDM 2019, 15-17 May, Athens, Greece.
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Research Projects

- Full Scale Monitoring of High Structures with Different Sensors and Determination of Dynamic Parameters, Scientific Research Project at Selcuk University, Project Number: 06101026, 2007-2010 (Researcher)
- Investigating the Performance of GNSS in monitoring vertical deformation, Scientific Research Project at Necmettin Erbakan University, Project Number: 161219013, 2016-2017 (Researcher)
- Testing of OEM GNSS Receivers for SHM applications, Scientific Research Project at Gebze Technical University, Project Number: 2017-A105-61, 2017-2018 (Researcher)
- Monitoring the Current Tectonic Movements of the Akşehir-Simav Fault System, TÜBİTAK, Project Number: 115Y246, 01.03.2016-01.03-2019 (Researcher)
- Investigation of the Usability of Single Frequency GNSS-PPP Method in Structural Health Monitoring: Shake Table Experiments, Gebze Technical University, Project No: 2020-A-102-20, 01.11.2020-01.11.2021 (Executive)
- October 30, 2020 (Mw:6.9) Monitoring of postsismic deformation after the Samos earthquake and earthquake hazard analysis of Izmir and its surroundings, TÜBİTAK, Project No: 112Y259, 15.10.2021-15.10.2024 (Researcher)
- Determination of Current Deformations and Potential Earthquake Magnitudes in Havran Balıkesir Fault Zone by Geodetic Methods , TÜBİTAK, Proje No: 112Y295, 15.10.2021-15.10.2024 (Researcher)
- Monitoring of vertical dynamic movements with GNSS Variometric approach and development of real-time evaluation software, TÜBİTAK, Project No: 122Y100, 15.09.2022-15.09.2024 (Executive)

Consultancy

- State Water Works 4th Regional Directorate - Monitoring of Ermenek Dam with Geodetic Methods and Deformation Analysis (2010 - Current)

Some Selected International Journal Referee

- * Journal of Geodesy
- * Engineering Structures
- * Advances in Space Research
- * Measurement
- * Journal of Surveying Engineering
- * Measurement Science and Technology
- * Remote Sensing (MDPI)
- * Survey Review
- * Journal of Applied Geodesy
- * Journal of Spatial Sciences
- * Journal of Navigation
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- * Journal of Sensors
- * Scientific Reports
- * Earth Science Research Journal
- * Computers and Electronics in Agriculture
- * IEEE Transactions on Intelligent Transportation Systems
- * IEEE Access
- * Noise Control Engineering Journal