

ALİ ÖZGÜN OK

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PERSONAL INFORMATION

Date of Birth : August 28, 1980
Place of Birth : Ankara/Türkiye
Marital Status : Married
Nationality : Republic of Türkiye
Driving License : Class B (since 1999)

EDUCATION

2005 - 2011	Ph.D. Degree – Middle East Technical University, Graduate School of Natural and Applied Sciences, Geodetic and Geographic Information Technologies Department Ankara/Türkiye
2002 - 2005	M.Sc. Degree – Middle East Technical University, Graduate School of Natural and Applied Sciences, Geodetic and Geographic Information Technologies Department Ankara/Türkiye
1997 - 2001	BS. Degree – Selcuk University, Faculty of Engineering and Architecture, Department of Civil Engineering Konya/Türkiye
1995 – 1997	Yuce Fen High School Ankara/Türkiye

PROFESSIONAL EXPERIENCE

December 2021 –	Department of Geomatics Engineering, Hacettepe University	
	Professor	Ankara/Türkiye
September 2018 – December 2021	Department of Geomatics Engineering, Hacettepe University	
	Assoc. Professor	Ankara/Türkiye
September 2014 – September 2018	Department of Geodesy and Photogrammetry Engineering, Nevsehir H.B.V. University	
	Assoc. Professor	Nevsehir/Türkiye
May 2014 – September 2014	Department of Geodesy and Photogrammetry Engineering, Nevsehir H.B.V. University	
	Asst. Professor	Nevsehir/Türkiye
May 2012 – May 2014	Department of Civil Engineering, Mersin University	
	Research Assistant, PhD.	Mersin/Türkiye
February 2010 – August 2010	Institute of Photogrammetry and Geo-information (IPI), University of Hannover	
	Visiting Research Assistant	Hannover/Germany
January 2004 – March 2012	Geodetic and Geographic Information Technologies, Middle East Technical University (METU)	
	Research Assistant	Ankara/Türkiye

ADMINISTRATIVE DUTIES

2023 –	Associate Director , Graduate School of Science and Engineering	
		Hacettepe/Ankara/Türkiye
2018 – 2021	Vice Head , Department of Geomatics Engineering	
		Hacettepe/Ankara/Türkiye
2014 – 2018	Chair , Department of Geodesy and Photogrammetry Engineering	
		Nevsehir/Türkiye
2006 – 2012	Computer Administrative Coordinator , Geodetic and Geographic Information Technologies	
		METU/Ankara/Türkiye

LECTURES GIVEN

2024-2025 (Fall)	Photogrammetric Image Analysis (GMT431) Remote Sensing and Image Processing (GMK641) Hacettepe/Ankara/Türkiye
	Principles of Remote Sensing - Technical School of Mapping (Lecture Given in Turkish) Directorate General for Mapping/Ankara/Türkiye
	İnşaat Sektöründe Bilgi Teknolojilerinin Kullanımı (YIS625) (Lecture Given In Turkish) Hacettepe/Ankara/Türkiye
2023-2024 (Spring)	Digital Imaging and Interpretation (GMT234) Hacettepe/Ankara/Türkiye
	Digital Image Analysis - Technical School of Mapping (Lecture Given in Turkish) Directorate General for Mapping/Ankara/Türkiye
	İnşaat Sektöründe Bilgi Teknolojilerinin Kullanımı (YIS625) (Lecture Given In Turkish) Hacettepe/Ankara/Türkiye
2023-2024 (Fall)	Engineering Economy (GMT305) Photogrammetric Image Analysis (GMT431) Advanced Image Processing in Remote Sensing (GMK636) Hacettepe/Ankara/Türkiye
	Principles of Remote Sensing - Technical School of Mapping (Lecture Given in Turkish) Directorate General for Mapping/Ankara/Türkiye
	İnşaat Sektöründe Bilgi Teknolojilerinin Kullanımı (YIS625) (Lecture Given In Turkish) Hacettepe/Ankara/Türkiye
2022-2023 (Spring)	Digital Imaging and Interpretation (GMT234) Remote Sensing and Image Processing (GMK641) Hacettepe/Ankara/Türkiye
	Digital Image Analysis - Technical School of Mapping (Lecture Given in Turkish) Directorate General for Mapping/Ankara/Türkiye

2022-2023 (Fall)	Engineering Economy (GMT305) Photogrammetric Image Analysis (GMT431) Analytical Photogrammetry (GMK631)	Hacettepe/Ankara/Türkiye
	Principles of Remote Sensing , Technical School of Mapping (Lecture Given in Turkish)	Directorate General for Mapping/Ankara/Türkiye
2021-2022 (Spring)	Digital Imaging and Interpretation (GMT234) Advanced Applications of Remote Sensing (GMK640) Geometrical Sensor Modeling For Aerial & Satellite Imagery (GMT745)	Hacettepe/Ankara/Türkiye
2021-2022 (Fall)	Engineering Economy (GMT305) Photogrammetric Image Analysis (GMT431) Analytical Photogrammetry (GMK631)	Hacettepe/Ankara/Türkiye
2020-2021 (Spring)	Digital Imaging and Interpretation (GMT234)	Hacettepe/Ankara/Türkiye
2020-2021 (Fall)	Engineering Economy (MUH301) Photogrammetric Image Analysis (GMT431) Analytical Photogrammetry (GMK631)	Hacettepe/Ankara/Türkiye
2019-2020 (Spring)	Introduction to Digital Photogrammetry (GMT432) Analytical Photogrammetry (GMT631 and GMK631)	Hacettepe/Ankara/Türkiye
2019-2020 (Fall)	Digital Imaging and Interpretation (GMT231) Photogrammetry II (GMT331)	Hacettepe/Ankara/Türkiye
2018-2019 (Spring)	Introduction to Digital Photogrammetry (GMT432) Applications of Remote Sensing (GMT441) - (with Assoc. Prof. Sultan Kocaman Gökçeoğlu) Advanced Image Processing in Remote Sensing (GMT636)	Hacettepe/Ankara/Türkiye
2018-2019 (Fall)	Digital Imaging and Interpretation (GMT231)	Hacettepe/Ankara/Türkiye
2017-2018 (Fall)	Statistics (MMF201) (Lecture Given In Turkish)	Nevsehir/Türkiye

2016-2017 (Fall)	Statistics (MMF201) (Lecture Given In Turkish)	Nevsehir/Türkiye
2015-2016 (Fall)	Statistics (MMF201) (Lecture Given In Turkish)	Nevsehir/Türkiye
2014-2015 (Spring)	Geographic Information Systems (JM312) (Lecture Given In Turkish)	Nevsehir/Türkiye
2014-2015 (Fall)	Statistics (MMF201) (Lecture Given In Turkish)	Nevsehir/Türkiye

COMPLETED / ONGOING PROJECTS

2023 –	Derin Öğrenme İle Domates Bitkisinde Hastalık Tespiti , Tübitak 2209/A, Scientific Consultant	Ankara/Türkiye
2023 –	Derin Öğrenme Modelleri Kullanılarak Tekil Hava Görüntülerinden Yükseklik Tahmini , Tübitak 2218, Scientific Consultant	Ankara/Türkiye
2023 –	Yapay Zekâ Destekli GES PV Panel İnceleme, Analiz, Yönetim ve Raporlama İçin Bulut Platformu , Tübitak 1507, Scientific Consultant of Biriz Global Teknoloji	Ankara/Türkiye
2023 –	MLS Tabanlı Nokta Bulutu ile Görüntülerden Nesne Tespiti ve Coğrafi Konum Destekli Envanter Yönetimi , Tübitak 1507, Scientific Consultant of İntelli Yazılım A.Ş.	Ankara/Türkiye
2023 – 2023	Dronet ürününe ait Fotogrametrik Analiz İşlemlerinin Geliştirilmesi , Scientific Consultant of Netcad Yazılım A.Ş.	Ankara/Türkiye
2022 – 2023	Dronet ürünlerine ait YKN editleme (otomatik) ve çıktı raporunun geliştirilmesi , Scientific Consultant of Netcad Yazılım A.Ş.	Ankara/Türkiye
2019 – 2022	Calibration and validation of ALOS-3 imagery over Bergama and Ankara Testfields, Turkey , The Japan Aerospace Exploration Agency (JAXA), Researcher	Ankara/Türkiye

- 2019 – 2021 **Fıstıkçamı (Pinus Pinea L.) Ağaçlarının Hava Görüntülerinden Elde Edilen Sayısal Yüzey Modellerinden Bireysel Olarak Otomatik Tespit Edilme Potansiyelinin Belirlenmesi Üzerine Bir Araştırma**, Scientific Research Project (BAP), Researcher
Ankara/Türkiye
- 2019 – 2020 **Milli Yer İstasyonu Geliştirme Projesi (MİYEG) Veri Kıymetlendirme Yazılımı Geometrik Kalibrasyon İşİ**, Tübitak UZAY, Project Coordinator
Ankara/Türkiye
- 2016 – 2019 **Kapadokya (Nevşehir) Bölgesindeki Kaya Düşmelerinin Arazi Lazer Taraması (TLS) Yardımıyla 3-Boyutlu (3-D) Analizi ve Kaya Düşme Tehlike Haritalarının Oluşturulması**, T.C. Başbakanlık Afet ve Acil Durum Yönetimi Başkanlığı Deprem Dairesi Başkanlığı UDAP Birimi, Researcher
Nevşehir/Türkiye
- 2015 – 2017 **Üzüm Bağlarının WorldView-3 Uydu Görüntüsünden Otomatik Tespit Edilme Potansiyelinin Belirlenmesi Üzerine Bir Araştırma: Nevşehir-Ürgüp Yöresi Örneği**, Scientific Research Project (BAP), Researcher. (postponed)
Nevşehir/Türkiye
- 2015 – 2016 **Milli Yer İstasyonu Geliştirme Projesi (MİYEG)**, Tübitak UZAY, Scientific Consultant
Ankara/Türkiye
- 2015 – 2017 **Görüntü Sınıflandırması Yoluyla Farklı Uydu Görüntülerinden Tarımsal Ürün Deseninin Belirlenmesi Ve Coğrafi Bilgi Sistemleri (CBS) Ortamında Veri Tabanının Oluşturulması: Nevşehir - Sarıhıdır Köyü Kızılırmak Sağ Sahil Bandı Tarım Arazileri Pilot Uygulaması**, Scientific Research Project (BAP), Researcher
Nevşehir/Türkiye
- 2015 – 2017 **Yüksek Mekânsal Çözünürlüklü Pleiades-1 TriStereo Uydu Görüntülerinden Narenciye Ağacı Tespiti için Yeni Bir Yöntem Geliştirilmesi**, Tübitak 3501 Project, Researcher
Nevşehir/Türkiye
- 2012 – 2014 **Otomatik Hedef Algılama ve Teşhis Sistemi (ATA) Projesi**, Tübitak 1007 Project, Scientific Consultant of HAVELSAN A.Ş.
Ankara/Türkiye
- 2011 – 2012 **HASAT (Image Analysis and Automated Target Recognition System - Görüntü Analizi ve Otomatik Hedef Tanıma Sistemi)**, Savunma Sanayi Müsteşarlığı (SSM) Project, Scholar Researcher
METU/Ankara/Türkiye

- 2007 - 2009 **Developing a Rigorous Mathematical Model for the Geometric Correction and Orthorectification of BILSAT-1 Satellite Images**, Scientific Research Project (BAP), Researcher
Hacettepe/Ankara/Türkiye
- 2006 **Generating Digital Elevation Models (DEMs) from SPOT-4 and SPOT-5 Sensors**, Scientific Research Project (BAP), Researcher
METU/Ankara/Türkiye
- 2003-2005 **Generating Digital Elevation Models (DEMs) from Different Satellite Sensors and Accuracy Analysis**, Scientific Research Project (BAP), Researcher
METU/Ankara/Türkiye

PUBLICATIONS

THESIS SUBMITTED

- Ok, A. O., 2011, “**Matching and Reconstruction of Line Features from Ultra-High Resolution Stereo Aerial Imagery**” Ph.D. Thesis submitted to the Geodetic and Geographic Information Technologies, Middle East Technical University, Ankara, Türkiye.
- Ok, A. O., 2005, “**Accuracy Assessment of the DEM and Orthoimage Generated from ASTER**” M.Sc. Thesis submitted to the Geodetic and Geographic Information Technologies, Middle East Technical University, Ankara, Türkiye.

PEER-REVIEWED JOURNAL CONTRIBUTIONS (SCI, INTERNATIONAL & NATIONAL)

- Kıvanç, Ş.G., Şen, B., Nar, F., Ok, A.O., 2024, **Reducing Model Complexity in Neural Networks by Using Pyramid Training Approaches**, Applied Sciences, vol 14, no:13, pp. 5898. (SCI)
- Ozdarıcı-Ok, A., Ok, A.O., Zeybek, M., Atesoğlu, A., 2024, **Automated Extraction and Validation of Stone Pine (Pinus Pinea L.) Trees from UAV-Based Digital Surface Models**, Geo-Spatial Information Science, vol. 27, no. 1, pp. 142-162. (SCI)
- Ozdarıcı-Ok, A., Ok, A.O., 2023, **Using Remote Sensing to Identify Individual Tree Species in Orchards: A Review**, Scientia Horticulturae, vol. 321, pp. 112333. (SCI)
- Ertürk, A., Taskin, G., Ok, A.O., Ustüner, M., Kayabol K., 2022, **2021 IEEE GRSS Turkey Chapter Activities [Chapters]**, IEEE Geoscience and Remote Sensing Magazine, vol. 10, no. 1, pp. 352-354. (SCI)
- Kıvanç, Ş.G., Şen, B., Ok, A.O., Nar, F., 2022, **Fusing Census and MC-CNN Cost Volumes for Stereo Matching**, Baltic Journal of Modern Computing, vol. 10, no. 2, pp. 251-265. (ESCI)

Seyfeli, S., Ok, A.O., 2022, **Classification of Mobile Laser Scanning Data with Geometric Features and Cylindrical Neighborhood**, Baltic Journal of Modern Computing, vol. 10, no. 2, pp. 209-223. (ESCI)

Bas, S., Ok, A.O., 2021. **A New Productive Framework For Point-Based Matching of Oblique Aircraft and UAV-Based Images**, Photogrammetric Record, vol. 36, pp. 252–284. (SCI)

Gokceoglu, C., Kocaman, S., Nefeslioglu, H. A., Ok, A.O., 2021, **Use of Multisensor and Multitemporal Geospatial Datasets to Extract the Foundation Characteristics of A Large Building: A Case Study**, Bulletin of Engineering Geology and the Environment, vol. 80, pp. 3251–3269. (SCI)

Akın, M., Dinçer, İ., Ok, A.O., Orhan, A., Akın, M.K., Topal, T., 2021, **Assessment of the Effectiveness of A Rockfall Ditch Through 3-D Probabilistic Rockfall Simulations and Automated Image Processing**, Engineering Geology, vol. 283, pp. 106001. (SCI)

Ok, A.O., Ozdarıcı-Ok, A., 2020, **Precise Extraction of Citrus Fruit Trees from a Digital Surface Model Using a Unified Strategy: Detection, Delineation, and Clustering**, Photogrammetric Engineering and Remote Sensing, vol. 86, no. 9, pp. 557-569. (SCI)

Akın, M., Dinçer, İ., Orhan, A., Ok, A.O., Akın, M., Topal, T., 2019, **Kaya Tutma Hendek Performansının 3-Boyutlu Kaya Düşme Analizleriyle Değerlendirilmesi: Akköy (Ürgüp) Örneği**, Jeoloji Mühendisliği Dergisi, vol 43, no. 2, pp. 211-232. (National)

Ok, A.O., Ozdarıcı-Ok, A., 2018, **Combining Orientation Symmetry and LM Cues for the Detection of Citrus Trees in Orchards From a Digital Surface Model**, IEEE Geoscience and Remote Sensing Letters, vol. 15, no. 12, pp. 1817-1821. (SCI)

Ok, A.O., Ozdarıcı-Ok, A., Baseski, E., 2018, **Accuracy Assessment of Pleiades-1 Stereo/Tri-stereo Digital Surface Models: A Case-Study for Citrus Trees**, Journal of the Indian Society of Remote Sensing, vol. 46, pp. 1203-1212. (SCI)

Ok, A.O., Ozdarıcı-Ok, A., 2018, **2-D Delineation of Individual Citrus Trees from UAV-based Dense Photogrammetric Surface Models**, International Journal of Digital Earth, vol. 11, pp. 583-608. (SCI)

Ok, A.O., 2017, **Göktürk-2 Stereoskopik Görüntülerinden Sayısal Yüzey Modeli Üretimi**, Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol. 17. pp. 18-26. (National)

Ok, A.O., 2016, **Automated Detection of Buildings and Roads in Urban Areas from VHR Satellite Images**, Journal of Geodesy and Geoinformation, vol. 3, no. 1, pp. 29-38. (International)

Manno-Kovács, A., Ok, A.O., 2015, **Building Detection from Monocular VHR Images by Integrated Built-in Area Knowledge**, IEEE Geoscience and Remote Sensing Letters, vol. 12, no. 10, pp. 2140-2144. (SCI)

Ozdarıcı-Ok, A., Ok, A.O., Schindler, K., 2015, **Mapping of Agricultural Crops from Single High-Resolution Multispectral Images – Data-driven Smoothing vs. Parcel-based Smoothing**, Remote Sensing, vol. 7, no. 5, pp. 5611-5638. (SCI)

Ok, A.O., Bařeski, E., 2015, **Circular Oil Tank Detection From Panchromatic Satellite Images: A New Automated Approach**, IEEE Geoscience and Remote Sensing Letters, vol. 12, no. 6, pp. 1347-1351. (SCI)

Ok, A.O., 2014, **A New Approach for the Extraction of Above-Ground Circular Structures From Near-Nadir VHR Satellite Imagery**, IEEE Transactions on Geoscience and Remote Sensing, vol. 52, no. 6, pp. 3125-3140. (SCI)

Ok, A.O., 2013, **Automated Detection of Buildings from Single VHR Multispectral Images using Shadow Information and Graph Cuts**, ISPRS Journal of Photogrammetry and Remote Sensing, vol. 86, (2013), pp. 21-40. (SCI)

Ok, A.O., Senaras, C., Yuksel, B., 2013, **Automated Detection of Arbitrarily-Shaped Buildings in Complex Environments from Monocular VHR Optical Satellite Imagery**, IEEE Transactions on Geoscience and Remote Sensing, vol. 51, no. 3, pp. 1701-1717. (SCI)

Ok, A.O., Wegner, J. D., Heipke, C., Rottensteiner, F., Soergel, U., Toprak, V., 2012, **Matching of Straight Line Segments from Aerial Stereo Images of Urban Areas**, ISPRS Journal of Photogrammetry and Remote Sensing, vol. 74, (2012), pp. 133-152. (SCI)

Ok, A.O., Wegner, J. D., Heipke, C., Rottensteiner, F., Soergel, U., Toprak, V., 2012, **Accurate Reconstruction of Near-Epipolar Line Segments from Stereo Aerial Images**, Photogrammetrie, Fernerkundung, Geoinformation (PFG), vol. 2012, no. 4, pp. 341-354. (SCI)

BOOK CHAPTERS (INTERNATIONAL & NATIONAL)

Seyfeli, S., Ok, A.O., 2022, **Classification of Mobile Laser Scanning Point Cloud in an Urban Environment using kNN and Random Forest**, In: Ben Ahmed, M., Boudhir, A.A., Karař, İ.R., Jain, V., Mellouli, S. (eds) Innovations in Smart Cities Applications Volume 5. SCA 2021. Lecture Notes in Networks and Systems, vol 393. Springer, Cham.

Ok, A.O., Osmanođlu, B., 2017, **Bölüm 8: Çoklu Görüntü Analizi ve 3 Boyutlu Görüntü Oluřturma**, Dijital Görüntü İşleme, (Sunar F., Ed.), In: Anadolu Üniversitesi Açıköğretim Fakültesi, Eskiřehir, pp. 248-276.

Uça Avcı, Z. D., Ok, A.O., Berberođlu, S., 2017, **Bölüm 6: Sınıflandırma - İleri Teknikler**, Dijital Görüntü İşleme, (Sunar F., Ed.), In: Anadolu Üniversitesi Açıköğretim Fakültesi, Eskiřehir, pp. 170-211.

Ok, A.O., 2017, **Bölüm 5: Sınıflandırma - Temel Teknikler**, Dijital Görüntü İşleme, (Sunar F., Ed.), In: Anadolu Üniversitesi Açıköğretim Fakültesi, Eskiřehir, pp. 132-169.

Ok, A.O., Wegner, J. D., Heipke, C., Rottensteiner, F., Soergel, U., Toprak, V., 2011, **In-Strip Matching and Reconstruction of Line Segments from UHR Aerial Image Triplets**, In: Stilla, Rottensteiner, Mayer, Jutzi, Butenuth (eds.), PIA 2011, Lecture Notes in Computer Science (LNCS), vol. 6952, pp. 61-72, Springer.

Teke, M, Baseski, E., Ok, A.O., Yuksel, B., Senaras, C., 2011, **Multi-spectral False Color Shadow Detection**, In: Stilla, Rottensteiner, Mayer, Jutzi, Butenuth (eds.), PIA 2011, Lecture Notes in Computer Science (LNCS), vol. 6952, pp. 109-119, Springer.

CONFERENCE CONTRIBUTIONS (INTERNATIONAL)

Uymaz, C., Melleç, E., Bütünoğlu, P., Erdem, F., Ok, A.O., 2024, **Tomato Disease Identification Using Deep Learning**, VI. International Agricultural, Biological & Life Science Conference, 18-20 September 2024, Edirne, Türkiye. (*Online Oral Presentation given by P. Bütünoğlu*)

Esi, Ç., Ok, A.O., Erten, E., Erturk, E., 2023, **Temporal Analysis of Marine Mucilage in the Sea of Marmara using Unmixing Based Change Detection**, IEEE International Geoscience and Remote Sensing Symposium (IGARSS) 2023, California, USA, pp.1-4. (*Oral Presentation given by E. Erten*)

Dogan, Y., Ok, A.O., 2023, **A Feature-Based Deep Learning Approach for the Extraction of Ground Points from 3D Point Clouds**, 39th International Symposium on Remote Sensing of Environment (ISRSE), 24-28 April 2023, Antalya, Türkiye. (*Oral Presentation given by Y. Dogan*)

Erik, E., Durmaz, M., Ok, A.O., 2023, **In and End of Season Soybean Yield Prediction with Histogram Based Deep Learning**, 39th International Symposium on Remote Sensing of Environment (ISRSE), 24-28 April 2023, Antalya, Türkiye. (*Oral Presentation given by E. Erik*)

Askit, C., Ates, D., Bakir, I., Seyfeli, S., Ok, A.O., 2023, **Extraction of Point Cloud-Based Information for Powerline Corridors**, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W6-2022, 41–46. (Geoinformation Week 2022, 14-17 November 2022, Johor Bahru, Malaysia) (*Online Oral Presentation given by C. Askit*)

Yavuz, A.I., Ok, A.O., 2022, **Comparative Test of Digital Elevation Models to Accurately Predict the Surface Areas of Crop Lands in The Eskisehir - Cifteler Irrigation Zone**, International Symposium on Applied Geoinformatics, Crete, Greece. (*Oral Presentation given by A.I. Yavuz*)

Seyfeli, S., Ok, A.O., 2022, **Automatic Classification of Urban Objects from Mobile Laser Scanning Data**, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLVIII-4/W3-2022, pp. 171–177. (7th International Conference on Smart City Applications, SCA 2022, Castelo Branco, Portugal, 19 - 21 October) (*Online Oral Presentation given by S. Seyfeli*)

Kivanç, Ş.G., Şen, B., Ok, A.O., Nar, F., 2021, **Fusing Census and MC-CNN Cost Volumes For Stereo Matching**, International Symposium on Applied Geoinformatics, Riga, Letonya. (*Online Oral Presentation given by Ş.G. Kivanç*)

Seyfeli, S., Ok, A.O., 2021, **Classification of Mobile Laser Scanning Data with Geometric Features and Cylindrical Neighborhood**, International Symposium on Applied Geoinformatics, Riga, Letonya. (*Online Oral Presentation given by S. Seyfeli*)

Seyfeli, S., Ok, A.O., 2021, **Classification of Mobile Laser Scanning Point Cloud in an Urban Environment using kNN and Random Forest**, The Sixth International Conference on Smart City Applications, SCA 2021, Karabük, Türkiye. (*Online Oral Presentation given by S. Seyfeli*)

Coskun, A.Z., Yilmaz, S., Yenice, S.S., Ok, A.O., Osmanoglu, B., 2021, **Performance Evaluation of Automatically Extracted Citrus Trees from LiDAR Point Cloud Data: Revisiting a Traditional Strategy Based On Local Maxima and Watershed Segmentation**, III. Balkan Agricultural Congress, August 29- September 1, Edirne, Türkiye. (*Online Oral Presentation given by S.S. Yenice*)

Can, R., Kocaman, S., Ok, A.O., 2021, **A Webgis Framework for Semi-Automated Geodatabase Updating Assisted by Deep Learning**. ISPRS-International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 43, 13-19. (*Online Oral Presentation given by R. Can*)

Ok, A.O., and Ozdarici-Ok, A., 2019, **Determination of Detection Capability of Citrus Fruit Trees With Remote Sensing Technology and Knowledge**, HASAT Uluslararası Tarım ve Orman Kongresi, 21 - 23 Haziran, Ankara. (*Oral Presentation given by A. Ozdarici-Ok*)

Ok, A.O., and Ozdarici-Ok, A., 2017, **Detection of Citrus Trees from UAV DSMs**, ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., IV-1/W1, 27-34, <https://doi.org/10.5194/isprs-annals-IV-1-W1-27-2017>. (*Oral Presentation*)

Ok, A.O., Başeski, E., 2015, **Automated Detection of Oil Depots from High Resolution Images: A New Perspective**, In: Photogrammetric Image Analysis + High-Resolution Earth Imaging for Geospatial Information (PIA 2015) (*Oral Presentation*)

Ok, A.O., 2013, **Automated Extraction of Buildings and Roads in a Graph Partitioning Framework**, In: Object Extraction for 3D City Models, Road Databases and Traffic Monitoring - Concepts, Algorithms, and Evaluation (CMRT 2013) (*Oral Presentation*)

Ok, A.O., Senaras, C., Yuksel, B., 2013, **Exploiting Shadow Evidence and Iterative Graphcuts for Efficient Detection of Buildings in Complex Environments**, In: IntArchPhRS vol. XL-1/W1, Hannover, on CD. (*Oral Presentation*)

Ok, A.O., Wegner, J. D., Heipke, C., Rottensteiner, F., Soergel, U., Toprak, V., 2011, **Accurate Matching and Reconstruction Of Line Features From Ultra High Resolution Stereo Aerial Images**, In: IntArchPhRS vol. XXXVIII-4/W19, Hannover, on CD. (*Oral Presentation*)

Ok, A.O., Wegner, J. D., Heipke, C., Rottensteiner, F., Soergel, U., Toprak, V., 2010, **A New Straight Line Reconstruction Methodology from Multi-Spectral Stereo Aerial Images**, In: Proceedings of Photogrammetric Computer Vision and Image Analysis Conference, IntArchPhRS vol. XXXVIII, part 3A, Paris, pp. 25-30. (*Oral Presentation*)

Wegner, J. D., Ok, A.O., Thiele, A., Rottensteiner, F., Soergel, U., 2010, **Urban Building Detection from Optical and Insar Features Exploiting Context**, In: Proceedings of Photogrammetric Computer Vision and Image Analysis Conference, IntArchPhRS vol. XXXVIII, part 3A, Paris, pp. 239-244. (*Oral Presentation given by J.D. Wegner*)

Ok, A.O., Wegner, J. D., Heipke, C., Rottensteiner, F., Soergel, U., Toprak, V., 2010, **A Stereo Line Matching Technique For Aerial Images Based On A Pair-Wise Relation Approach**. In: IntArchPhRS vol. XXXVIII-1/W17, Istanbul, 2010, 7 S., (on CD-ROM). (*Oral Presentation*)

Ok, A.O., 2009, **Automated Description of 2-D Building Boundaries from A Single Color Aerial Ortho-Image**, Proceedings of ISPRS Hannover Workshop, High Resolution Earth Imaging for Geospatial Information, Hannover, Germany, 02-05 June. (*Poster Presentation*)

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ACHIEVEMENTS & AWARDS

ISPRS Congress, Nice, France, 2022 (Best Reviewer)

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- IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
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- International Journal of Remote Sensing
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- Turkish Journal of Electrical Engineering & Computer Sciences
- Karaelmas Science and Engineering Journal
- Journal of Algorithms and Computational Technology
- Computers and Electronics in Agriculture

GRADUATE THESIS SUPERVISED (COMPLETED)

(M.Sc.) **Aygün İrem Yavuz**, 2023. Comparative Calculation of 3-Dimensional Surface Area and Water Flow Direction from Digital Elevation Models: A Case Study for the Agricultural Land in Eskisehir-Cifteler Irrigation.

(M.Sc.) **Ulaş Şahin**, 2023. Detection and Investigation of Aerodrome Tree Obstacles: Tokat Case Study. (In Turkish)

(M.Sc.) **Ezgi Burçin Gazel Bulut**, 2022. Super-Resolution Image Generation from Earth Observation Satellites Using Generative Adversarial Networks.

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