

CURRICULUM VITAE

CANER OZCAN

Date of Birth: 27.01.1986

Address: Karabuk University, Faculty of Engineering, Department of Computer Engineering, Karabuk, 78050, Turkey

E-mail: canerozcan@karabuk.edu.tr



Education:

- Ph.D. 2015 Department of Computer Engineering, Graduate School of Natural and Applied Science, Karabuk University. Topic: SAR Image Despeckling By Using Non-Local Means and Mixed Norms. Supervisors: Dr. Baha SEN and Dr. Fatih Nar.
- M.A. 2011 Department of Computer Engineering, Graduate School of Natural and Applied Science, Karabuk University
- B.A. 2008 Department of Computer Engineering, Faculty of Electrical-Electronics Engineering, Yildiz Technical University

Academic Experiences:

- Visiting Professor 2017-.... School of Electrical and Computer Engineering, Purdue University, USA
- Assistant Professor 2016-.... Department of Computer Engineering, Faculty of Engineering, Karabuk University, Turkey
- Research Assistant 2008-2016 Department of Computer Engineering, Faculty of Engineering, Karabuk University, Turkey

Research Projects:

- Project Coordinator Karabuk University, SRCU, Project Number: KBÜBAP-17-YL-072, Project Name: Classification of Big Data with Machine Learning Methods Using Apache Spark Technology (2016-2017)
- Researcher Yildirim Beyazit University, SRCU, Project Number: YBU-BAP-590, Project Name: A Hybrid Method for Noise Reduction on SAR Images (2013-2015)
- Scholarship Student The Scientific and Technological Research Council of Turkey, Project Number: 110O548, Computer Aided Combustion Mechanism of Wooden Materials (2011-2013)

Membership in Professional Organizations:

SPIE (2014-..) and IEEE (2012-..)

Research Areas:

Image Processing, Machine Learning, Parallel Programming, Big Data Analytics, Remote Sensing.

Publications:

A. Articles published in international peer-reviewed journals:

C. Ozcan, O. Ersoy, “Enhanced Multidimensional Field Embedding Method by Potential Fields for Hyperspectral Image Classification and Visualization”, Electronics Letters, April 2018 (accepted).

Y. Erdem, C. Ozcan, “Fast Data Clustering and Outlier Detection Using K-Means Clustering on Apache Spark”, Int. Journal of Advanced Computational Engineering and Networking, 5(7):86-90, Jul. 2017.

C. B. Kazangirler, C. Ozcan, “Establishment of Educational Network among the Undergraduate with Mobile Application”, Int. Journal of Advances in Electronics and Computer Science, 4(3):22-26, Mar. 2017.

Ozcan, C., Sen, B., and Nar, F., “Sparsity-Driven Despeckling for SAR Images”, IEEE Trans. Geosci. Remote Sens., 13 (1): 115-119, Nov. 2015.

B. Articles published in national peer-reviewed journals:

Cavusoglu, A., Sen, B., Ozcan, C., and Gorgunoglu, S., “Cropped Quad-Tree Based Solid Object Coloring With Cuda”, Mathematical and Computational Applications, 18(3):301-312, 2013.

Ozcan, C., Bayir, R., and Ozcan, C., “Monitoring of Wooden Material Combustion Performance with Fuzzy Logic”, Technology, 13(3), 189-199, 2010.

C. Paper presented at international scientific meetings and published on the book:

Caner Ozcan, Okan Ersoy, Iskender Ulgen Ogul, Classification of SAR Image Patches with Apache Spark Using GLCM Texture Features, International Conference on Advanced Technologies, 3rd World Conference on Big Data (WC-BIGDATA 2018), 28-30 Apr., Izmir, Turkey, 2018.

Rafet Durgut, Caner Ozcan, Oguz Findik, Automatic Segmentation and Labelling of 3D Human Activities, International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 11-13 May, Karabuk, Turkey, 2018.

Yasin Ozturk, Caner Ozcan, Implementation of NURBS curves on the LCD touch screen using FPGA, International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 11-13 May, Karabuk, Turkey, 2018.

Ozlem Hakdagli, Caner Ozcan, Iskender Ulgen Ogul, Stream Text Data Analysis on Twitter Using Apache Spark Streaming, IEEE Signal Processing and Communications Applications Conference (SIU), 26th, Page(s): -, Izmir, Turkey, 2-5 May, 2018.

Ismail Burak Akinci, Caner Ozcan, Real-Time Automation System for Classifying Fruits with Image Processing, International Symposium on Industry 4.0 and Applications, 12-14 Oct., Karabuk, Turkey, 2017.

Yildirim, M. Z. and Ozcan, C., Extraction of Greenhouse Areas with Image Processing Methods in Karabuk Province, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-4/W6, 107-109, 2017.

Iskender Ulgen Ogul, Caner Ozcan, Ozlem Hakdagli, Fast Text Classification with Naive Bayes Method on Apache Spark, IEEE Signal Processing and Communications Applications Conference (SIU), 2017 25th, Page(s): -, Antalya, Turkey, 15-18 May, 2017.

Ozcan, C., Sen, B., Nar, F., "Sparsity-Driven Despeckling Method with Low Memory Usage", IEEE Signal Processing and Communications Applications Conference (SIU), 2016 24nd, Page(s): 1329-1332, Zonguldak, Turkey, 16-19 May, 2016.

Atasoy, F., Sen, B., Nar, F., Ozcan, C., Bozkurt, I., "Total variation based 3D skull segmentation", IEEE Signal Processing and Communications Applications Conference (SIU), 2016 24nd, Page(s): 1353-1356, Zonguldak, Turkey, 16-19 May, 2016.

Ozcan, C., Sen, B., Nar, F., "GPU Efficient SAR Image Despeckling Using Mixed Norms", Proc. SPIE 9247: High-Performance Computing in Remote Sensing IV, Amsterdam, Netherlands, 2014.

Sen, B., Ozcan, C., Aydin Atasoy, N., "An Implementation for Quad-Tree Based Solid Object Coloring Using Cuda", Proceedings on 2nd World Conference on Information Technology, Antalya, Turkey, 2011.

Sen, B., Aydin Atasoy, N., Ozcan, C., "Performance Comparison of Gauss-Jordan Elimination Method Using Openmp and Cuda", Proceedings on 2nd World Conference on Information Technology, Antalya, Turkey, 2011.

Ozcan, C., Sen, B., "Investigation of the Performance of LU Decomposition Method Using CUDA", Proceedings on 2nd World Conference on Innovation and Software Development, Istanbul, Turkey, 2011.

Ozcan, C., Bayir, R., Ozcan, C., "Fuzzy Logic Graphical User Interface Software for Evaluation of Wooden Material Combustion Performance", Proceedings on 2nd International Symposium on Computing in Science & Engineering, P:483-485, Kusadası, Turkey, 2011.

Ozcan, C., Uysal, A., Bayir, R., "Real Time Control via Matlab/Simulink of DC-DC Buck Converter with Fuzzy Logic Controller", FUZZYSS'09: 1st International Fuzzy Systems Symposium, Ankara, Turkey, 1-2 October, 2009.

D. Paper presented at national scientific meetings and published on the book:

Iskender Ulgen Ogul, Caner Ozcan, Ozlem Hakdagli, “Text Classification with Spark Support Vector Machine”, 1. National Cloud Computing and Big Data Symposium B3S'17, Antalya, Turkey, 19-20 Ekim, 2017.

Ozcan, C., Sen, B., Nar, F., “Early-exit Optimization Using Mixed Norm Despeckling for SAR Images”, IEEE Signal Processing and Communications Applications Conference (SIU), 2015 23rd, Page(s): 685 - 688, Malatya, Turkey, 16-19 May, 2015.

Ozcan, C., Sen, B., Nar, F., “Fast feature preserving despeckling”, IEEE Signal Processing and Communications Applications Conference (SIU), 2014 22nd, Page(s): 1007 - 1010, Trabzon, Turkey, 23-25 April, 2014.

Sen, B., Menemencioglu, O., Atasoy, F. and Ozcan, C., “Clustered virtual class application”, Academic Informatic, Malatya, 1-8 (2011).