

# Prof. UĞUR HALICI

## Personal Information

Email: halici@metu.edu.tr

## Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey  
1983 - 1989

Post Graduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey  
1980 - 1983

Under Graduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
Turkey 1975 - 1980

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Contributions to the theory of database concurrency control, Middle East Technical University, Faculty of  
Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1988

Post Graduate, An Algorithm for Test Set Generation of Combinational Circuits, Middle East Technical University, Faculty  
of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1983

## Research Areas

Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Biosignal Processing

## Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1996 -  
Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1991 - 1996

Assistant Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1988 - 1991

Lecturer, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1987 - 1988

Research Assistant, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1980 - 1987

## Professional Experience

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Nörobilim Ve Nöroteknoloji (Dr) (Hacettepe Üniv. Ortak), 2014 - Continues  
Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2004 - 2005

## Advising Theses

SERİNAĞAOĞLU DOĞRUSÖZ Y., HALICI U., Classification of lung nodules in CT images using convolutional neural networks, Post Graduate, G.POLAT(Student), 2018  
HALICI U., Motor imagery EEG signal classification using deep learning for brain computer interfaces, Doctorate, Y.REZAEI(Student), 2017  
HALICI U., Human behavior understanding using video analysis, Doctorate, C.ONUR(Student), 2016  
HALICI U., Performance evaluation of saliency map methods on remotely sensed RGB images, Post Graduate, S.SÖNMEZ(Student), 2016  
HALICI U., Deep learning approach for laboratory mice grimace scaling, Post Graduate, M.ERAL(Student), 2016  
HALICI U., Metastasis detection and localization in lymph nodes by using convolutional neural networks, Post Graduate, M.ÜMİT(Student), 2016  
HALICI U., Mouse face tracking using convolutional neural networks, Post Graduate, İ.BATUHAN(Student), 2016  
HALICI U., Human behavior understanding through 3d data, Post Graduate, E.AKDAĞ(Student), 2015  
HALICI U., Computational aesthetics using machine learning for video game camera direction, Post Graduate, A.NACI(Student), 2015  
HALICI U., Handwritten digit string segmentation and recognition using deep learning, Post Graduate, O.ELİTEZ(Student), 2015  
HALICI U., Training inverse BRDF with incomplete data for 3D reconstruction through photometric stereo, Post Graduate, S.KİLECI(Student), 2014  
HALICI U., GÜRSES S., Investigation of ground reaction force distribution beneath the foot in postural control, Post Graduate, R.AKBARIFAR(Student), 2014  
HALICI U., A shadow based trainable method for building detection in satellite images, Doctorate, M.DİKMEN(Student), 2014  
HALICI U., Detection of obsessive compulsive disorder using resting-state functional connectivity data, Post Graduate, S.KHANEH(Student), 2013  
HALICI U., Markov random field based road network extraction from high resolution satellite images, Post Graduate, M.ÖZTÜRK(Student), 2013  
HALICI U., Analyzing effective connectivity of brain using FMRI data: DCM and PPI, Post Graduate, S.MOJTAHEDI(Student), 2013  
HALICI U., FPGA implementation of real time digital video superresolution for infrared cameras, Post Graduate, M.AKTUKMAK(Student), 2013  
HALICI U., Road detection by mean shift segmentation and structural analysis, Post Graduate, M.DURSUN(Student), 2012  
HALICI U., 3D object recognition from range images, Post Graduate, F.İZCİLER(Student), 2012  
HALICI U., Photometric stereo considering highlights and shadows, Doctorate, S.BÜYÜKATALAY(Student), 2011  
HALICI U., 3D face recognition with local shape descriptors, Doctorate, T.İNAN(Student), 2011  
HALICI U., ALATAN A. A. , Extraction of buildings in satellite images, Post Graduate, M.ÇETİN(Student), 2010  
HALICI U., Analysis and classification of spelling paradigm EEG data and an attempt for optimization of channels used, Post Graduate, A.YILDIRIM(Student), 2010  
HALICI U., Detection of airport runways in optical satellite images, Post Graduate, U.ZÖNGÜR(Student), 2009  
HALICI U., Video stabilization: Digital and mechanical approaches, Post Graduate, S.BAYRAK(Student), 2008  
HALICI U., 3d face representation and recognition using spherical harmonics, Doctorate, F.TUNÇER(Student), 2008  
HALICI U., Effect of shadow in building detection and building boundary extraction, Post Graduate, A.YALÇIN(Student), 2008  
HALICI U., 2D/3D imaging simulator, Post Graduate, N.BOZKURT(Student), 2008

HALICI U, Doppler radar data processing and classification, Post Graduate, A.AYGAR(Student), 2008

HALICI U, Building detection from satellite images using shadow and color information, Post Graduate, H.VOLKAN(Student), 2008

HALICI U, 3D face reconstruction using stereo images and structured light, Post Graduate, A.OĞUZ(Student), 2007

HALICI U, Texture mapping by multi-image blending for 3D face models, Post Graduate, H.BAYAR(Student), 2007

HALICI U, 3D face recognition, Post Graduate, B.ÜSTÜN(Student), 2007

HALICI U, 3D animation for hand preshaping, Post Graduate, M.SONER(Student), 2006

HALICI U, 3D face reconstruction using stereo vision, Post Graduate, M.DİKMEN(Student), 2006

HALICI U, Vision based obstacle detection and avoidance using low level image features, Post Graduate, T.SENLET(Student), 2006

HALICI U, Real-time detection and tracking of human eyes in video sequences, Post Graduate, Z.SAVAŞ(Student), 2005

HALICI U, 3D marker tracking for human gait analysis, Post Graduate, C.KÜÇÜK(Student), 2005

HALICI U, 3D hand tracking in video sequences, Post Graduate, A.TOKATLI(Student), 2005

HALICI U, Vision-based robot localization using artificial and natural landmarks, Post Graduate, Z.ARICAN(Student), 2004

HALICI U, 3D face model generation, Post Graduate, S.BÜYÜKATALAY(Student), 2004

HALICI U, Feature extraction of honeybee forewings and hindlegs using image processing and active contours, Post Graduate, A.GÖNÜLŞEN(Student), 2004

HALICI U, Manual and auto calibration of stereo camera systems, Post Graduate, M.ÖZUYUSAL(Student), 2004

HALICI U, Simulation of Turkish lip motion and facial expressions in A 3D environment and synchronization with a Turkish speech engine, Post Graduate, E.AKAGÜNDÜZ(Student), 2004

HALICI U, A comparison of subspace based face recognition methods, Post Graduate, Ö.GÖNDER(Student), 2004

HALICI U, Face detection in active robot vision, Post Graduate, M.ÖNDER(Student), 2004

HALICI U, Facial feature extraction using deformable templates, Post Graduate, H.SERÇE(Student), 2003

HALICI U, Automated detection of sleep spindles, Post Graduate, D.GÖRÜR(Student), 2003

HALICI U, LEBLEBİCİOĞLU M. K. , Active stereo vision: Depth perception for navigation, environmental map formation and object recognition, Doctorate, İ.ULUSOY(Student), 2003

HALICI U, Doppler radar target recognition by neural networks, Doctorate, A.ERDOĞAN(Student), 2002

HALICI U, Image synthesis for depth estimation using stereo and focus analysis, Post Graduate, F.TUNÇER(Student), 2002

ATALAY M. V. , HALICI U, 3 D reconstruction of rigid objects from multiple calibrated views, Doctorate, A.YAŞAR(Student), 2002

HALICI U, Developing a feature-based edge detector using artificial neural networks, Post Graduate, G.BURÇ(Student), 2001

HALICI U, Direct surface reconstruction from multiple views by surface growing, Doctorate, U.MURAT(Student), 2001

HALICI U, Automatic fingerprint recognition, Doctorate, A.EROL(Student), 2001

HALICI U, A Tool for analysis of visual evoked potentials for interhemispheric transfer, Post Graduate, İ.ANAÇ(Student), 2001

HALICI U, LEBLEBİCİOĞLU M. K. , An Automated differential blood count system, Doctorate, G.ONGUN(Student), 2001

HALICI U, Segmentation of targets in SAR (synthetic aperture radar) images, Post Graduate, U.AKINCI(Student), 2000

HALICI U, Classification of fingerprints, Post Graduate, B.SUSMAZ(Student), 2000

HALICI U, ÖZGEN C., Control of an industrial multi component high purity distillation column with a model predictive controller, Post Graduate, M.KAYA(Student), 2000

HALICI U, Java based tools for an online neural networks course, Post Graduate, S.KEKEÇ(Student), 2000

HALICI U, A New morphological approach for texture segmentation, Post Graduate, K.UÇARKAYA(Student), 1999

HALICI U, Distance education on internet: A Java based image processing course in METU, Post Graduate, M.HAKAN(Student), 1999

HALICI U, LEBLEBİCİOĞLU M. K. , Fractal image compression techniques, Post Graduate, E.GÜRSES(Student), 1999

HALICI U, Speckle and clutter elimination of synthetic aperture radar (sar) images, Post Graduate, H.YENİ(Student), 1998

HALICI U, Enhancement and preprocessing techniques for ridge extraction in fingerprint images, Post Graduate,

E.ALKAYA(Student), 1998  
 HALICI U., An Image processing toolbox, Post Graduate, A.AKMAN(Student), 1997  
 HALICI U., A Feature based stereo correspondence system, Post Graduate, G.ÖZDEMİR(Student), 1996  
 HALICI U., A Comparative analysis of neurochirs, Post Graduate, S.ÇETİNKAYA(Student), 1995  
 HALICI U., An Automated fingerprint identification system based on self organizing feature maps classifier, Post Graduate, G.ONGUN(Student), 1995  
 HALICI U., An Analysis of learning in the recurrent random neural network as autoassociative memory, Post Graduate, A.EMRE(Student), 1995  
 HALICI U., Character recognition by a neural network based on unsupervised preclassification and pca feature extraction, Post Graduate, A.EROL(Student), 1995  
 HALICI U., Fault detection in combinational circuits by neural networks, Post Graduate, M.MURAT(Student), 1994  
 HALICI U., A Text reading system based on an artificial neural network, Post Graduate, T.BİRCAN(Student), 1993  
 HALICI U., Application of artificial neural networks in cryptology, Post Graduate, H.TANRIVERDİ(Student), 1993  
 HALICI U., A Comparison of the performances of neural optimizers throught a design for playing Tic-Tac-Toe, Post Graduate, M.SUNGUR(Student), 1992  
 HALICI U., User identification through neural network algorithms, Post Graduate, D.ÜNLÜ(Student), 1991  
 HALICI U., Design of a Boltzmann machine for the hypercube embedding problem, Post Graduate, Ö.TUNALI(Student), 1991

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Mouse face tracking using convolutional neural networks**  
 Akkaya I. B. , HALICI U.  
 IET COMPUTER VISION, vol.12, pp.153-161, 2018 (Journal Indexed in SCI)
- **Diagnostic assessment of deep learning algorithms for detection of lymph node metastases in women with breast cancer**  
 Bejnordi B. E. , VETA M., van Diest P. J. , van Ginneken B., KARSEMEIJER N., LITJENS G., van der Laak J. A. W. M.  
 JAMA - Journal of the American Medical Association, vol.318, pp.2199-2210, 2017 (Journal Indexed in SCI Expanded)
- **Brain Computer Interfaces for Silent Speech**  
 TABAR Y. R. , HALICI U.  
 EUROPEAN REVIEW, vol.25, pp.208-230, 2017 (Journal Indexed in SSCI)
- **A novel deep learning approach for classification of EEG motor imagery signals**  
 TABAR Y. R. , HALICI U.  
 JOURNAL OF NEURAL ENGINEERING, vol.14, 2017 (Journal Indexed in SCI)
- **Efficient Airport Detection Using Line Segment Detector and Fisher Vector Representation**  
 Budak U., HALICI U., Sengur A., Karabatak M., Xiao Y.  
 IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.13, pp.1079-1083, 2016 (Journal Indexed in SCI)
- **Applying Computational Aesthetics to a Video Game Application Using Machine Learning**  
 ERDEM A. N. , HALICI U.  
 IEEE COMPUTER GRAPHICS AND APPLICATIONS, vol.36, pp.23-33, 2016 (Journal Indexed in SCI)
- **A Learning-Based Resegmentation Method for Extraction of Buildings in Satellite Images**  
 Dikmen M., HALICI U.  
 IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.11, pp.2150-2153, 2014 (Journal Indexed in SCI)
- **Texture-Based Airport Runway Detection**  
 Aytekin O., Zongur U., HALICI U.  
 IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.10, pp.471-475, 2013 (Journal Indexed in SCI)
- **3-D Face Recognition With Local Shape Descriptors**  
 Inan T., HALICI U.  
 IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY, vol.7, pp.577-587, 2012 (Journal Indexed in

SCI)

● **A Cascadable Random Neural Network Chip with Reconfigurable Topology**

Badaroglu M., HALICI U., Aybay I., Cerkez C.

COMPUTER JOURNAL, vol.53, pp.289-303, 2010 (Journal Indexed in SCI)

● **Artificial neural network estimator design for the inferential model predictive control of an industrial distillation column**

Bahar A., Ozgen C., Leblebicioglu K., Halici U.

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.43, pp.6102-6111, 2004 (Journal Indexed in SCI)

● **Time-frequency analysis of visual evoked potentials for interhemispheric transfer time and proportion in callosal fibers of different diameters**

ULUSOY PARNAS İ., HALICI U., NALÇACI E., ANAÇ İ., LEBLEBİCİOĞLU M. K., EROĞLU C.

BIOLOGICAL CYBERNETICS, vol.90, pp.291-301, 2004 (Journal Indexed in SCI)

● **Multi-agent system-based fuzzy controller design with genetic tuning for a mobile manipulator robot in the hand over task**

Erden M., Leblebicioglu K., Halici U.

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.39, pp.287-306, 2004 (Journal Indexed in SCI)

● **Application of genetic algorithms to geometry optimization of microclusters: A comparative study of empirical potential energy functions for silicon**

Erkoc S., Leblebicioglu K., Halici U.

MATERIALS AND MANUFACTURING PROCESSES, vol.18, pp.329-339, 2003 (Journal Indexed in SCI)

● **Reinforcement learning with internal expectation in the random neural networks for cascaded decisions**

Halici U.

BioSystems, vol.63, pp.21-34, 2001 (Journal Indexed in SCI)

● **Infinite dimensional Hopfield neural networks**

Leblebicioglu K., Halici U., Celebi O.

NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.47, pp.5807-5813, 2001 (Journal Indexed in SCI)

● **Reinforcement learning with internal expectation for the random neural network**

HALICI U.

European Journal Of Operational Research, vol.126, pp.288-307, 2000 (Journal Indexed in SCI Expanded)

● **A neural optimizer for hypercube embedding**

Halici U., Tunali O.

NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.36, pp.785-797, 1999 (Journal Indexed in SCI)

● **Formalization of workflows and correctness issues in the presence of concurrency**

Arpinar I., Halici U., ARPINAR S., DOGAC A.

DISTRIBUTED AND PARALLEL DATABASES, vol.7, pp.199-248, 1999 (Journal Indexed in SCI)

● **Multi-image region growing for integrating disparity maps**

Leloglu U. M., Halici U.

COMPUTER ANALYSIS OF IMAGES AND PATTERNS, vol.1689, pp.403-410, 1999 (Journal Indexed in SCI)

● **Pattern recognition in bistable networks**

Chinarov V., Halici U., Leblebicioglu K.

Proceedings of SPIE - The International Society for Optical Engineering, vol.3722, pp.457-463, 1999 (Journal Indexed in SCI)

● **Infinite dimensional radial basis function neural networks for nonlinear transformations on function spaces**

Leblebicioglu K., Halici U.

NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.30, pp.1649-1654, 1997 (Journal Indexed in SCI)

● **Reinforcement learning in random neural networks for cascaded decisions**

HALICI U.

BioSystems, vol.40, pp.83-91, 1997 (Journal Indexed in SCI)

● **Serializability of nested transactions in multidatabases**

Halici U., Arpinar B., Dogac A.

DATABASE THEORY - ICDT'97, vol.1186, pp.321-335, 1997 (Journal Indexed in SCI)

● **Fingerprint classification through self-organizing feature maps modified to treat uncertainties**

Halici U., ONGUN G.

PROCEEDINGS OF THE IEEE, vol.84, pp.1497-1512, 1996 (Journal Indexed in SCI)

● **Classification of neural network hardware**

Aybay I., Cetinkaya S., Halici U.

Neural Network World, vol.6, pp.11-27, 1996 (Journal Indexed in SCI Expanded)

● **Annealing by Boltzmann machine for Soma puzzles**

HALICI U., Sungur M.

Neural Network World, vol.5, pp.317-327, 1995 (Journal Indexed in SCI Expanded)

● **AN OPTIMISTIC LOCKING TECHNIQUE FOR CONCURRENCY-CONTROL IN DISTRIBUTED DATABASES**

HALICI U., DOGAC A.

IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol.17, pp.712-724, 1991 (Journal Indexed in SCI)

● **COMPLETE TEST-GENERATION METHOD FOR ALL STUCK-AT FAULTS IN COMBINATIONAL-CIRCUITS**

GURAN H., HALICI U.

INTERNATIONAL JOURNAL OF ELECTRONICS, vol.68, pp.657-666, 1990 (Journal Indexed in SCI)

● **CONCURRENCY-CONTROL IN DISTRIBUTED DATABASES THROUGH TIME INTERVALS AND SHORT-TERM LOCKS**

HALICI U., DOGAC A.

IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, vol.15, pp.994-1003, 1989 (Journal Indexed in SCI)

● **DISCUSSION ON STUCK-AT FAULTS IN COMBINATIONAL-CIRCUITS**

GURAN H., HALICI U.

INTERNATIONAL JOURNAL OF ELECTRONICS, vol.67, pp.7-14, 1989 (Journal Indexed in SCI)

● **A method for concurrency control in distributed DBMSs: Permission Test Method**

HALICI U., Dogac A.

ACM SIGMOD Record, vol.16, pp.37-50, 1987 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

● **22nd International Symposium on Computer and Information Sciences, ISCIS 2007 - Proceedings: Preface**

Schmidt E. G. , Ulusoy I., Çiçekli N., Halici U., Atalay V.

22nd International Symposium on Computer and Information Sciences, ISCIS 2007 - Proceedings, 2007 (Refereed Journals of Other Institutions)

● **Effect of orientation map accuracy on fingerprint classification using PCA-MSOM**

Erol A., HALICI U.

International Conference on Knowledge-Based Intelligent Electronic Systems, Proceedings, KES, vol.2, pp.527-530, 2000 (Refereed Journals of Other Institutions)

● **METU interoperable database system**

DOGAC A., HALICI U., KILIC E., ET A.

ACM SIGMOD Record, vol.24, pp.552, 1996 (Refereed Journals of Other Institutions)

● **Classification of Neural Network Hardware**

AYBAY H. I. , CETINKAYA S., HALICI U.

Neural Network World, vol.6, pp.11-27, 1996 (Refereed Journals of Other Institutions)

## Books & Book Chapters

● **Introduction Fingerprint Recognition**

EROL A., HALICI U.

in: Intelligent Biometric Techniques in Fingerprint and Face Recognition, Jain LC, Halici U, Hayashi I, Lee SB, Tsutsui T, Editor, CRC Press, pp.1-34, 1999

## Refereed Congress / Symposium Publications in Proceedings

- **Effect of input size on the classification of lung nodules using convolutional neural networks Akciğer nodüllerinin evrimsel sinir ağları kullanılarak sınıflandırılmasında girdi boyutunun etkisi**  
POLAT G., DOGRUSOZ Y., HALICI U.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- **Deep convolutional neural networks for airport detection in remote sensing images**  
BUDAK U., SENGUR A., HALICI U.  
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- **Effect of Input Size on the Classification of Lung Nodules Using Convolutional Neural Networks**  
POLAT G., DOGRUSOZ Y. S., HALICI U.  
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- **Ensemble of Convolutional Neural Networks for Classification of Breast Microcalcification from Mammograms**  
SERT E., ERTEKİN Ş., HALICI U.  
39th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), South Korea, 11 - 15 July 2017, pp.689-692
- **Assessment of pain in mouse facial images Fare Yüzü Görüntülerinde Agri Derecelendirilmesi**  
ERAL M., AKTAS C. C., KOCAK E. E., DALKARA T., HALICI U.  
20th National Biomedical Engineering Meeting, BIYOMUT 2016, İzmir, Turkey, 3 - 05 December 2016
- **Uydu Görüntülerinde Havaalanı Tespiti İçin Derin Öğrenme**  
HALICI U., BUDAK Ü., ŞENGÜR A.  
2016 8. Savunma Teknolojileri Kongresi (SAVTEK 16), Ankara, Turkey, 12 October - 14 December 2016
- **Assesment of Pain in Mouse Facial Images**  
ERAL M., ÇAKIR AKTAŞ C., EREN KOÇAK E., DALKARA T., HALICI U.  
2016 XX. Biyomedikal Mühendisliği Ulusal Toplantısı (Uluslararası Katılımlı), İzmir, Turkey, 3 - 05 November 2016, pp.498-501
- **Detection of Candidate Airport Regions from Satellite Images**  
ŞENGÜR A., HALICI U., BUDAK U.  
2016 International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016, pp.219-225
- **Tracking Mice Face in Video**  
AKKAYA B., TABAR Y. R., GHARBALCHİ F., ULUSOY PARNAS İ., HALICI U.  
20th National Biomedical Engineering Meeting (BIYOMUT), İzmir, Turkey, 3 - 05 November 2016
- **Brain Computer Interfaces**  
HALICI U.  
2015 International Symposium on Computer and Information Sciences, Londrina, Brazil, 11 - 12 November 2015
- **Use of Connectivity Analysis in Disease Signature Extraction for Neurodegenerative Mental Disorders**  
HALICI U.  
2015 Emerging Concepts in Advanced Imaging of Neurodegenerative Diseases, İstanbul, Turkey, 18 - 20 October 2015
- **Kitlesel Açık Çevrimiçi Kurslardaki Katılımcı Profillerinin Yapay Sinir Ağı Kullanılarak Sınıflandırılması**  
AL TAEI A., YILMAZ M., OCONNOR R. V., HALICI U.

2015 9. Ulusal Yazılım Muhendisliği Sempozyumu, İzmir, Turkey, 9 - 11 October 2015, pp.1-4

**Real Time FPGA Implementation of Super Resolution for Infrared Cameras**

AKTUKMAK M., HALICI U.

2015 International Conference on Electrical and Electronics - Techniques and Applications (EETA), Phuket, Thailand, 23 - 24 August 2015, pp.266-267

**A Comparative Analysis of Functional Connectivity Data in Resting and Task-Related Conditions of the Brain for Disease Signature of OCD**

Shenas S. K. , HALICI U., Cicek M.

36th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Illinois, United States Of America, 26 - 30 August 2014, pp.978-981

**Detection of Obsessive Compulsive Disorder Using Resting State Functional Connectivity Data**

SHENAS S. K. , HALICI U., ÇİÇEK M.

2013 IEEE 6TH INTERNATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING AND INFORMATICS (BMEI 2013), China, 16 - 18 December 2013, pp.132-136

**Analysis of Dimension Reduction by PCA and AdaBoost on Spelling Paradigm EEG Data**

YILDIRIM A., HALICI U.

6th International Conference on Biomedical Engineering and Informatics (BMEI), Hangzhou, China, 16 - 18 December 2013, pp.192-196

**Mixture of Poses for Human Behavior Understanding**

GÖKÇE C. O. , HALICI U.

2013 6TH INTERNATIONAL CONGRESS ON IMAGE AND SIGNAL PROCESSING (CISP), Hangzhou, China, 16 - 18 December 2013, pp.112-116

**Automatic Water Canal Detection in Multispectral Satellite Images**

GEDİK E., KAHRAMAN E., Cinar U., ÇETİN Y., HALICI U.

2013 21st Signal Processing and Communications Applications Conference (SIU) Location: CYPRUS Date: APR 24-26, 2013, Cyprus (Kkct), 24 - 26 April 2013

**Investigation of the Effect of Face Regions on Local Shape Descriptor Based 3D Face Recognition**

İNAN T., HALICI U.

2013 IEEE 21st Signal Processing and Communications Applications Conference (SIU) Location: CYPRUS Date: APR 24-26, 2013, Cyprus (Kkct), 24 - 26 April 2013

**Fourier Based Feature Descriptors for Railroad Extraction from Aerial Images**

KARAMAN E., Cinar U., GEDİK E., ÇETİN Y., HALICI U.

2012 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS), Munich, Germany, 22 July - 27 December 2012, pp.6013-6015

**A New Approach to Automatic Road Extraction from Satellite Images using Boosted Classifiers**

CINAR U., KARAMAN E., GEDİK E., ÇETİN Y., HALICI U.

2012 SPIE, 24 - 26 September 2012, vol.8537

**Junction extraction on road masks by pruned skeletons**

Cinar U., KARAMAN E., GEDİK E., ÇETİN Y., HALICI U.

2012 SPIE IMAGE AND SIGNAL PROCESSING FOR REMOTE SENSING XVIII, Edinburgh, Saint Helena, 24 - 26 September 2012, vol.8537

**A rule based approach for detecting bridges from high resolution electro-optic satellite images**

**Yüksek çözünürlüklü elektro-optik imgelerde köprü tespiti için kural tabanlı bir yaklaşım**

Gedik E., Çinar U., Karaman E., Yardimci Y., HALICI U., Pakin K.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012

**Automatic road network extraction from multispectral satellite images Multi-spektral uydu görüntülerinden otomatik yol haritası çıkarimi**

Karaman E., Çinar U., Gedik E., Yardimci Y., HALICI U.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012



● **A new algorithm for automatic road network extraction in multispectral satellite images**

KARAMAN E., ÇINAR U., GEDİK E., ÇETİN Y., HALICI U.

2012 4th GEOBIA, Brazil, 7 - 09 May 2012, pp.455-459

● **A new robust method for bridge detection from high resolution electro optic satellite images**

GEDİK E., ÇINAR U., KARAMAN E., ÇETİN Y., HALICI U.

2012 GEOBIA, Rio-De-Janeiro, Brazil, 7 - 09 May 2012, pp.298-302

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