UGUR HALICI PUBLICATIONS

January, 2013

<u>BOOKS</u>

1. Jain L.C., Lazzerini and Halici U. (editors), Innovations in ART Neural Networks, Springer Verlag, 2000, ISBN 3-7908-1270-6,

2. Jain L. C., Halici U., I. Hayashi, Lee S.B. and Tsutsui T. (editors), Intelligent Biometric Techniques in Fingerprint and Face Recognition, CRC Press, USA, 1999 , ISBN 0-8493-2055-0

3. Halici U. (editor), Hints from Life to Artificial Intelligence, Middle East Technical University, Ankara, 1994.

4. Halici U., Ucoluk G., (editors), Felsefi ve Toplumsal Boyutlariyla Yapay Zeka (Sociological and Philosophical Aspects of Artificial Intelligence), Middle East Technical University, Ankara, 1993 (in Turkish)

<u>CHAPTERS IN BOOKS</u>

1. Halici U., "Brain Computer Interfaces", Chapter in Book "Computer and Brain" edited by Haluk Bingol, 2012, Pan Yayincilik (in Turkish)

2. Aşkar P., Halıcı U., "Diffusion of E-Learning as an Educational Innovation", Encyclopedia of Information Science and Technology (5 Volumes), Edited By: Mehdi Khosrow-Pour, Information Resources Management Association, USA, IDG 2005

3. Aşkar P., Halıcı U., E-learning as a Catalyst for Educational Innovation, chapter in E-Education Applications: Human Factors and Innovative Approaches by Claude Ghaoui (Editor), IGP publishing, USA, 2004

4. Ulusoy I., Halıcı, U., Anaç, I., Nalçacı, E. and Başar, C. E., Time Frequency Analysis of VEPs for Inter Hemispheric Transfer Time, in Recent Advances, , Editor(s) Arıkan, K., Moore, N. , Publisher :Kjellberg, Wheaton, U.S.A, 2004

5. Halici U, Leblebicioglu K., Ozgen C., Tuncay S., "Recent Advances in Neural Network Applications in Process Control", chapter 8 in The Recent Advances in Artificial Neural Networks: Design and Applications edited by Jain L.C., Farelli, CRC Press, USA, 2000

6. Halici U., L.C. Jain, A. Erol, "Introduction to Fingerprint Reconition", chapter in "Intelligent Biometric Techniques in Fingerprint and Face Recognition", edited by Jain L. C., Halici U., I. Hayashi, S.B.Lee and T. Tsutsui, CRC Press, USA 1999, ISBN 0-8493-2055-0

7. A. Erol, Halici U., G. Ongun "Feature Sensitive Filtering for Ridge Extraction", chapter in Intelligent Biometric Techniques in Fingerprint and Face Recognition, Jain L. C., Halici U., I. Hayashi, S.B.Lee and T. Tsutsui, CRC Press, USA, 1999, ISBN 0-8493-2055-0

8. Beksac S., Erkmen A., Aksel S., Halici U., Leblebicioglu K., Beksac M., Atalay V·, Jain L. C., "Intelligent Diagnostic Systems in Medicine", chapter in Soft Computing Techniques in Human-Related Sciences, edited by Teoderoscu H.N., Kandel A., Jain L.C. , CRC Press, USA, 1999, ISBN-0-8493-1635-9

9. Halici U., Erol A., Ongun G., "Industrial Applications of Hierarchical Neural Networks: Character Recognition and Fingerprint Recognition", chapter in Industrial Applications of Neural Networks, edited by L.C.Jain, V. R. Vemury, CRC Press,USA, 1998, ISBN 0-8493-9802-9

10. Dogac A., et al, Halici U., "Design and Implementation of A Distrbuted Workflow Management System: METUFlow", chapter in Advances in Workflow Management Systems and Interoperability, edited by Dogac A., Kalinichenko L., Ozsu, M. T., Sheth A., Springer Verlag, 1998

ONLINE LECTURE NOTES

1. Halici U., Lecture Notes on Introduction to Neural Networks, Information Institute, Middle East Technical University, 2001 : http://euclid.ii.metu.edu.tr/~ion526/demo/demochp.html

2. Halici U., Atalay V., Leblebicioglu K., Lecture Notes on Image Processing Algorithms, Information Institute, Middle East Technical University, 1998 :

   http://euclid.ii.metu.edu.tr/~ion528/demo/demochp.html

3. Halici U. Lecture notes on Neurocomputers, Information Institute, Dept. of EE Eng. Middle East Technical University, Ankara,1998. http://euclid.ii.metu.edu.tr/~ion526/demo/demochp.html, http://www.eee.metu.edu.tr/~halici/courses/543LectureNotes/543index.html

4. Halici U, Lecture notes on Data Structures, Dept of EE Eng. Middle East Technical University, 1995, Ankara, http://www.eee.metu.edu.tr/~halici/courses/441/441ndex.html

5. Halici U., 1995 Lecture notes on Operating Systems, Dept of EE Eng., Middle East Technical University, 1995, Ankara http://www.eee.metu.edu.tr/~halici/courses/442/442index.html

SYMPOSIUM PROCEEDINGS

1. Schimdt E.G., Ulusoy I., Cicekli N., Halici U., Atalay V. Proc. of 2007 22nd International Symposium on Computer and Information Sciences, Published by IEEE Explorer, Nov. 2007, Ankara

2. Halici U., Leblebicioglu K., Atalay V., Nalçaci E., Proc. of Brain-Machine 2000 Workshop, Dec 2000, Ankara

3. Atalay V., Halici U., Inan K., Yalabik N. Yazici A., (Editors) Proc. of 11th International Symposium on Computer and Information Sciences, Published by METU, Nov. 1996, Antalya

4. Ciftcibasi T. Halici U. (Editors), Proc of. Fuzzy Logic and Neural Networks, Middle East Technical University, October 26-27, 1995, Ankara

5. Bozsahin C., Halici U., Oflazer K., Yalabik , (Editors), Proc. of 3rd Turkish Symposium on Artificial Intelligence and Artificial Neural Networks, TAINN III, Middle East Technical University, June 1994

6. Halici U., Ucoluk G., (Editors), Proc of Symposium on Ethical, Sociological and Philosophical Aspects of Artificial Intelligence, May 1993

7. Gelenbe E., Halici U., Yalabik N. (Editors), Proc of International Symposium on Computer and Information Sciences, ISCIS VII, Published by University Rene Descartes, 1992

8. Oflazer K., Akman V. Guvenir A., Halici U. (Editors), Proc. of 1st Turkish Symposium on Artificial Intelligence and Artificial Neural Networks, TAINN I, Bilkent University, 1992

INTERNATIONAL JOURNAL PAPERS (SCI INDEX)

1. Örsan Aytekin, Uğur Zöngür, Uğur Halici, "Texture-Based Airport Runway Detection", IEEE Geoscience and Remote Sensing Letters, (2013) 10(3): 471-475, 2013. doi:10.1109/LGRS.2012.2210189

2. Inan T, Halici U. 3-D Face Recognition with Local Shape Descriptors. IEEE Transactions on Information Forensics and Security, (2012) 7(2): 577-587

3. Badaroglu M, Halici U, Aybay I, Cerkez C. *A Cascadable Random Neural Network Chip with Reconfigurable Topology,* The Computer Journal (2010) 53 (3): 289-303. doi: 10.1093/comjnl/bxp036

4. Bahar A, Ozgen C, Leblebicioglu K, et al. Artificial neural network estimator design for the inferential model predictive control of an industrial distillation column, IND ENG CHEM RES 43 (19): 6102-6111 SEP 15 2004

5. Erden MS, Leblebicioglu K, Halici U. Multi-agent system-based fuzzy controller design with genetic tuning for a mobile manipulator robot in the hand over task, JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS 39 (3): 287-306 MAR 2004

6. Ulusoy , I., Halici, U., Nalcaci, E., Anac, I., Leblebicioglu, K., Basar-Eroglu, C. Time frequency analysis of visual evoked potentials for inter-hemispheric transfer time and proportion of callosal fibers in different diameter. Journal of Biological Cybernetics. 90 (4): 291-301 APR 2004

7. Ulusoy, İ., Halici, U. and Leblebicioğlu, K., 3D Cognitive Map Construction by Active Stereo Vision in a Virtual World, Lecture Notes in Computer Science Vol :3280, Springer, Editor(s) :Aykanat, C, Dayar, T, Körpeoğlu, U.S.A pp::400-409 September 2004

8. Erkoc S, Leblebicioglu K, Halici U. Application of genetic algorithms to geometry optimization of microclusters: A comparative study of empirical potential energy functions for silicon MATERIALS AND MANUFACTURING PROCESSES 18 (3): 329-339 2003

9. Colakoglu (Ulusoy), I., Hancock, E., Halici, U., Disparity Using Feature Points in Multiscale. LECT NOTES COMPUT (SSPR), vol 2396 page 320-328 2002

10. Halici U., "Reinforcement learning with internal expectation in the random neural networks for cascaded decisions", BioSystems, 63(2001), pp 21-34

11. Leblebicioglu K, Halici U, Celebi, "Infinite Dimensional Hopfield Neural Networks", Nonlinear Analysis, Elsevier, 47(2001), pp 5807-5813

12. Ongun G, Halici U., Leblebicioglu K. Atalay V., Beksaç S., Beksaç M., "Automated contour detection in blood cell images an efficient snake algorithm", Nonlinear Analysis, Elsevier, 47(2001) 5839-5847

13. Halici U., "Reward, Punishment and Expectation in Reinforcement Learning for Random Neural Networks", European Journal of Operational Research, Elsevier, 2000, Vol 126, pp 288-307

14. Arpinar I. B., Halici U., Arpinar S., Dogac A., Formalization of Workflows and Correctness Issues in the Presence of Concurrency", Journal of Distributed and Parallel Databases, 1999, Vol 7, No 2, pp 199-248

15. Leloglu U., Halici U., "Multi-image Region Growing for Integrating Disparity Maps", Proc. Computer Analysis of Images and Patterns, IEEE CAIP 99, LECT NOTES COMPUT SC 1689: (1999), pp 403-410

16. Tunali O., Halici U., "A Neural Optimizer for Hypercube Embedding", Nonlinear Analysis, Pergamon, Elsevier, 1999, Vol 36, pp 785-797

17. Halici U. Arpinar A., Dogac A., Serializability of Nested Transactions in Multidatabases, Proc of 6th International Conference on Database Theory, LECT NOTES COMPUT SC 1186: 321-335 1997

18. Leblebicioğlu K., Halici U., "Infinite Dimensional Radial Basis Function Neural Networks for Nonlinear Transformations on Function Spaces", Journal of Nonlinear Analysis, Elsevier-Pergamon, Vol. 30, No. 3, 1997, pp. 1649 - 1654,

19. Halici U., "Reinforcement Learning in Random Neural Networks for Cascaded Decisions, Journal of Biosystems, Elsevier, Vol 40 No 1,2, January 1997 pp 83-91

20. Halici U., Ongun G. "Fingerprint Classisfication through Self Organizing Maps Modified to Treat Uncertainties", Proceedings of the IEEE, Vol 84, No 10, pp 1497-1512, October 1996

21. Halici U., Dogac A., "An Optimistic Locking Technique for Concurrency Control in Distributed Databases", IEEE Transactions on Software Engineering, Vol. 17, No 7, July 1991.

22. Guran H, Halici U., "Complete Test Generation Method for all Stuck_at Faults in Combinational Circuits", Intl. Journal of Electronics, 1990, Vol.68 No.5, May 1990

23. Guran H, Halici U., "Discussion on Stuck at Faults in Combinational Circuits", Inl. Journal. of Electronics, Vol. 67, No. 1, pp 7-14. 1989

24. Halici U., Dogac A., " Concurrency Control in Distributed Databases through Time Intervals and Short_term Locks", IEEE Transactions on Software Engineering, Vol. 15, No 8, August 1989

INTERNATIONAL JOURNAL PAPERS IN OTHER REVIEWED JOURNALS

1. Halici U., Leblebicioglu K., Jain L.C., "Training Radial Basis Function Neural Networks Through Parabolic Evolutionary Algorithm", International Journal of Knowledge-Based Intelligent Engineering Systems, Volume 5, Number 3, July 2001

2. Halici U., Jain L. C., Leblebicioglu K., Lazzerini B., Kuncheva L. I., Parabolic Evolutionary Algorithm, Romanian Journal of Information Science and Technology, 1998, vol 1 No 3, pp 217-229

3. Aybay I., Cetinkaya S., Halici U., "Classification of Neural Hardware", Neural Network World, IDG Vol 6, No 1, January 1996, pp 11-28

4. Dogac., A., Dengi, C., Kilic, E., Ozhan, G., Ozcan, F., Nural, S., Evrendilek, C., Halici, U., Arpinar, B., Koksal, P., Kesim, N., Mancuhan, S., "METU Interoperable Database System", ACM SIGMOD Record, Vol.24, No.3, September 1995.

5. Halici U., Sungur M. "Annealing by Boltzmann Machine for Solving Soma Puzzles', Neural Network World, IDG, Vol 5, No 3, May 1995, pp 317-328

6. Sungur M. Halici U., " A Connectionist Solution for the NP-Complete Serializability Problem" Elektrik, Vol 2., No 1., April 1994, pp52-61

7. Halici U., Dogac A., "A New Method for Concurrency Control in Distributed DBMSs: Permission Test Method", ACM SIGMOD Record, Vol. 16, No.3, September 1987.

INTERNATIONAL CONFERENCE PAPERS

1. Gedik, E.; Cinar, U.; Karaman, E.; Yardimci, Y.; Halici, U.; Pakin, K.; , "A new robust method for bridge detection from high resolution electro-optic satellite images," Geographic Object-Based Image Analysis Conference(GEOBIA), 2012 4th, vol., no., p.298, May 7-9, 2012
URL: http://mtc-m18.sid.inpe.br/col/sid.inpe.br/mtc-m18/2012/05.15.17.51/doc/083.pdf

2. Karaman, E.; Cinar, U.; Gedik, E.; Yardimci, Y.; Halici, U.;, "A new algorithm for automatic road network extraction in multispectral satellite images," Geographic Object-Based Image Analysis Conference(GEOBIA), 2012 4th, vol., no., p.298, May 7-9, 2012
URL: http://mtc-m18.sid.inpe.br/col/sid.inpe.br/mtc-m18/2012/05.15.17.43/doc/122.pdf

3. Karaman, E.; Cinar, U.; Gedik, E.; Yardimci, Y.; Halici, U.;, "Fourier based feature descriptors for railroad extraction from aerial images," IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 2012, Munich, July 22-27

4. Cinar, U.; Karaman, E.; Gedik, E. ; Halici, U.; Yardimci, Y. ;, "Junction extraction on road masks by pruned skeletons," SPIE Image and Signal Processing for Remote Sensing Conference, 2012, September 24-26,

5. Cetin M., Halici U., Aytekin O., "Building Detetction in Satellite Images by Textural Features and Adaboost", 6th IAPR Workshop on Pattern Recognition in Remote Sensing (PRRS 2010), Istanbul, August, 2010

6. Zongur U., Halici U., Aytekin O., Ulusoy I., Airport Runway Detection in Satellite Images by Adaboost Learning, SPIE Remetote Sensing Conference, 2009, Berlin

7. Aytekin O., Ulusoy I., Halici U., Segmentation of High Resolution Satellite Imagery Based on Mean Shift Algorithm and Morphological Operations, SPIE Remetote Sensing Conference, 2009, Berlin

8. Büyükatalay S, Birgul O, Halici U. Surface Reconstruction from Multiple Images Filtering Non-Lambert Regions, ICIP 2009, Cairo

9. Yildirim A, Halici U, Ulusoy I. Dimension Reduction and Classification of Spelling Paradigm EEG for Brain Computer Interface, International Cognitive Neuroscience Meetings, April 2009

10. Halici U, Agi E, Özgen C and Ulusoy I. Analysis and classification of EEG signals for brain computer interfaces. *Frontiers in Neuroscience. Conference Abstract: 10th International Conference on Cognitive Neuroscience*, 2008 doi: 10.3389/conf.neuro.09.2009.01.161,

11. E. Akagunduz, I. Ulusoy, N. Bozkurt, U. Halici*,* "A Physically-based Facial Skin Model to Simulate Facial Expressions on Digitally Scanned 3D Models", Proc. 22nd ISCIS, 2007,   10.1109/ISCIS.2007.4456853 p(1-5)

12. Almila Bahar, Evren Guner, Canan Ozgen and Uğur Halici, Design of State Estimators for the Inferential Control of an Industrial Distillation Column, Proc of IEEE World Congress on Computational Intell'gence\ Vancouver BC Canada July 16-21 2006

13. Akagunduz E., Halıcı U., Animation of Lip Motions and Facial Expressions Using 3D Homeomorphic Models, ICVGIP, Kolkata, India, December, 2004

14. Ulusoy, I., Hancock, E.R., Halici, U.A probabilistic approach to sparse multi-scale phase based stereo, Proceeding of ICPR, 2004

15. Dilan Gorur, Ugur Halici, Hamdullah Aydin, Guclu Ongun, Fuat Ozgen, Kemal Leblebicioglu, *"Sleep Spindles Detection Using Autoregressive Modeling"*, Proc. of ICANN/ICONIP 2003.

16. İlkay Ulusoy, Ugur Halıcı, "Active stereo vision for object recognition and cognitive map formation in a virtual world", Proc. of *IEEE CVPR 2003.*

17. İlkay Ulusoy, Ugur Halıcı, Kemal Leblebicioğlu, "Simple object recognition and cognitive map formation using human-like vision in a virtual world", Proc. of *IEEE CAMP 2003.*

18. Erdem Akagündüz, Uğur Halıcı, "Simulation and Synchronization of Human Facial Expressions and Lip Motion for Turkish Syllables", Proc. of TAINN 2003.

19. Gorur D., Halici U, Aydin H, Ongun G., Ozgen F, Leblebicioglu, Sleep Spindles Detection Using Short Time Fourier Transform and Neural Networks, IEEE-INNS IJCNN 2002, Honolulu, Hawai, USA, May 2002

20. Güçlü Ongun, Ugur Halici, Kemal Leblebicioglu, Volkan Atalay, Meral Beksaç, Sinan Beksaç, An Automated Differential Blood Count System, proc. IEEE EMBC 2001, Sept 2001, Istanbul, Turkey

21. Güçlü Ongun, Ugur Halici, Kemal Leblebicioglu, Volkan Atalay, Meral Beksaç, Sinan Beksaç, Feature Extraction and Classification of Blood Cells for an Automated Differential Blood Count System, proc. IEEE-INNS IJCNN 2001, 555, July 2001, Wahington DC, USA

22. Anac I, Ulusoy-Colakoglu I., Halici U., Nalcaci E., Leblebicioglu K., Basar-Eroglu C., "Time-frequency Analysis of VEPs for Interhemispheric transfer time and magnitude ratio", ECNS, 2001, Istanbul

23. Erol A. Halici U., The Effect of Orientation Map Accuracy on Fingerprint Classification using PCA-MSOM, Proceedings of 4th International Conference on Knowledge Based Intelligent Engineering Systems and Allied Technologies, KES'2000, IEEE - IEE, Brighton, UK, August 2000, pp 527-530

24. Ugur Halici, Kemal Leblebicioglu, Lakhmi C. Jain. Training Radial Basis Function Neural Networks through Parabolic Evolutionary Algorithm. In Francesco Masulli, Riccardo Parenti, editors, Proceedings of the Third ICSC Symposia on Intelligent Industrial Automation and Soft Computing, IAA/SOCO (1999), June 1-4, 1999, Genova, Italy. ICSC Academic Press, Rochester, NY, USA, 1999, pp 805-811

25. Mülayim A. Y., Atalay V., Leblebicioglu K., Halici U., Texture Classification using Fuzzy Logic. In Francesco Masulli, Riccardo Parenti, editors, Proceedings of the Third ICSC Symposia on Intelligent Industrial Automation and Soft Computing, IAA/SOCO (1999), June 1-4, 1999, Genova, Italy. ICSC Academic Press, Rochester, NY, USA, 1999, pp 812-816

26. Tuncay s., Leblebicioglu K., Ozgen C. Halici U., "Failure Diagnosis by using Fuzzy Petri Nets", In Francesco Masulli, Riccardo Parenti, editors, Proceedings of the Third ICSC Symposia on Intelligent Industrial Automation and Soft Computing, IAA/SOCO (1999), June 1-4, 1999, Genova, Italy. ICSC Academic Press, Rochester, NY, USA, 1999, pp 824-830

27. Chinarov V., Halici U., Leblebicioglu K., "Pattern Recognition in Bistable Networks", SPIE's 13th Annual International Symposium on Aeropace/Defense Sensing, Simulation, and Controls in Orlando, Florida 5-9 April 1999.

28. Halici U., Karaoz E. "a Lineaar Approximation for Training Recurrent Random Neural Networks", Advances in Computer and Information Sciences298, U.Güdükbay et al. Eds.) IOS Press, pp 149-156, 1998

29. Aybay I., Cerkez C., Halici U., Badaroglu M., "Hardware Implementations of Neural Networks and The Random Neural Network Chip", Proc. 13th International Symposium on Computer and Information Sciences, IOS Press, Antalya , Turkey, Oct. 1998, pp 157-161

30. U. Halici., "Reward, Punishment and Internal Expectation for Training the Random Neural Network with Reinforcement, Proc. 13th International Symposium on Computer and Information Sciences, IOS Press, Antalya , Turkey, Oct. 1998, pp 162-169

31. G. Ongun, U. Halici, K. Leblebicioglu, V. Atalay, A. Erkmen, S. Beksaç, M. Beksaç, A. Erol, "An Automated Blood Cell Analysis and Classification System", Proc. 13th International Symposium on Computer and Information Sciences, IOS Press, Antalya , Turkey, Oct. 1998, pp 222-227

32. Halici. U., L.C. Jain, K. Leblebicioglu, B. Lazzerini, L.I. Kunchrva, "A Parabolic Approximation to Speed-up Evolutionary Algorithms", Proc. of the 7th Turkish Symposium on Artificial Intelligence and Neural Networks, Ankara, June 1998, pp 101-108

33. Halici U., Atalay V., Leblebicioglu K., Arkan A., Mulayim M., Ceran S., "Distance Education on Internet: A Java Based Image Processing Course in METU.", Proc. of 2nd International Symposium on Distance Education, Ankara, Turkey, May 1998, pp 428-437

34. Badaroglu M., Halici U., Aybay I., Cerkez C., "Digital Neural Network Chip for the Random Neural Network Model with Programmable Architecture", Proc. of the 12th International Symposium on Computer and Information Sciences, Antalya, October 1997

35. Halici U., Badaroglu M., Aybay I., Cerkez C., "A Digital Random Neural Network Chip Design", Proc. of NEUREL 97, Belgrade, Yugoslavia, September 1997, pp 78-83

36. Cerkez C., Aybay I., Halici U., "A Digital Neuron Realization for the Random Neural Network Model ", Proc of IEEE International Conference on Neural Networks, Houston, USA, June 1997, pp 1000-1004

37. Karahan O., Ozgen C., Halici U., Leblebicioglu K. "A nonlinear model predictive controller using neural networks", Proc of IEEE International Conference on Neural Networks, Houston, USA, June 1997, 690-693

38. Ongun G., A. Erol, K. Leblebicioğlu, V. Atalay, Halici U., "Wavelet Based Texture Segmentation through Neural Networks" Proc. of 2nd International Conference on Computational Intelligence and Neuroscience, Durham, North Carolina, March 2-5, 1997

39. Erdoğan, A. , Leblebicioğlu K, Halici U., Atalay V., Extraction of Optimal Texture Features by Genetic Algorithm, Proceedings of the Eleventh International Symposium on Computer and Information Sciences, Antalya, November 1996, pp183-188

40. Leblebicioglu K., Halici U., "Infinite Dimensional Radial Basis Function Neural Networks for Nonlinear Transformations on Function Spaces", Proc. of 2nd World Congress of Nonlinear Analists, Athens, July 1996,

41. Halici U., Karaöz E. "A Linear Approximation for the Gelenbe's Learning Algorithm for Recurrent Random Neural Networks" ", Proc of 6th Turkish Symposium on Artificial Intelligence and Neural Networks, TAINN VI, Istanbul, Turkey, June 1996

42. Asuman Dogac, Ugur Halici, et al., "METU Interoperable Database System", Demo Description, Proc. of ACM SIGMOD International Conference on Management of Data, Montreal, June 1996.

43. Gulöksüz A., Halici U., "A Neural Circuit to Handle Passive Extinction in Conditioned Reinforcement Learning", Proc. of European Meeting on Cybernetics and System Research, EMCSR XIII, Vienna, Austria, April, 1996, pp 1026-1030

44. Gökhan Özhan, Asuman Dogaç et. al., "Making Oracle7, Sybase and Adabas Interoperable Through CORBA: MIND Project", EOUG Conference 96, Amsterdam, Netherlands, April, 1996

45. Dogac.,A., Dengi, C., et al. "A Multidatabase System Implementation on CORBA", Proc. of 6th Intl. Workshop on Research Issues in Data Engineering, RIDE-NDS 96, New Orleans, Lousiana, USA, February 1996.

46. Halici U., Erol A., "A Hierarchical Neural Network for Optical Character Recognition", Proc. of 8th International Conference on Artificial Neural Networks, ICANN 95, Paris, France, October 1995.

47. Asuman Dogac et al. "MIND: Amultidatabase System Implementation on CORBA, Demo Description", Proc. of Conf. on Object-Oriented Programming Systems, Languages, and Applications, OOPSLA '95, Austin, Texas, USA, October 1995.

48. Gokcay D. Halici U., "A Statistical Scheme for Automatic Title Generation", Proc. of International Symposium on Computer and Information Sciences, ISCIS IX, Antalya, Turkey, November 1994.

49. Halici U., Tunali O. " A Performance Analysis on Boltzmann Machine Through Hypercube Embedding", Proc. of the 6th School Neural Networks Theory and Applications, Brno, Czech Republic, September 1994.

50. Buyukkokten F., Isikli O., Koksal M., Halici U., Aybay I., "Document Management in Haldoc", Proc. of, Mediterranian Electrotechnical Conference, MELECON 94, Antalya, Turkey, April, 1994.

51. Tin S., Halici U., "Learning Feature Based Semantics of a Subset of Turkish Sentences" Proc. of International Symposium on Computer and Information Sciences, ISCIS VIII, Istanbul 1993.

52. Ünlü D., Halici U., "User Identification through Neural Network Through Keystroke Rhythm Analysis", (abstract), Proc of NATO ASI on From Statistics to Neural Networks, Les Arcs, France, June 1993

53. Halici U., Yaranli U. "Neural Networks in Mazes", Proc. of International Joint Conference on Neural Networks, IEEE INSS IJCNN, Beijing, Republic of China, November, 1992.

54. Sungur M., Halici U., "Optimizing Neural Networks for Playing Tic Tac Toe", Proc. of International Joint Conference on Neural Networks, IEEE INSS IJCNN, Baltimore, USA, June, 1992.

55. Halici U., Sungur M., "A Boltzmann Machine for Restricted Total Ordering Problem", Proc. of International Symp. on Computer and Information Sciences, ISCIS VI, Antalya, Turkey, October, 1991.

56. Halici U., Dogac A., "Concurrency Control in for Distributed Multiversion Databases Through Time Intervals", Proc. of the 19th Computer Conference of ACM, San Antonio, Texas, USA, March, 1991

57. Halici U., Dogac A., "Concurrency Control in Distributed Databases Through Dummy Locks" (Invited Paper), Proc. of the 5th Jerusalem Conference on Information Technology, IEEE, Jerusalem, Israel, October 1990.

58. Sungur M., Tuzer K., Halici U., "Performance Evaluation of a Locking Oriented Optimistic Method for Concurrency Control of Distributed Databases", Proc. of International Symposium on Computer and Information Sciences, ISCIS V, Cappadocia, Turkey, November 1990

59. Halici U., Dogac A. "WRFW Graph Testing Method for Concurrency Control", Proc of BILCON on New Trends in Communication, Control and Signal Processing, Ankara Turkey, July, 1990

60. Unlu D., Halici U., " User Identification through Neural Network", Proc of International Symposium on Artificial Intelligent Applications and Neural Networks, IASTED, Zurih, Switzerland, June 1990

61. Tunali O., Halici U, Ercal F., Aykanat C., "Neural Network Simulation on an iPSC/2 Hypercube Multicomputer", Proc of International Symposium on Artificial Intelligent Applications and Neural Networks, IASTED, Zurih, Switzerland, June 1990

62. Beser B., Tulunay E., Halici U., "A Multiprocessor Neural Network Simulator", Proc of International Symposium on Artificial Intelligent Applications and Neural Networks, IASTED, Zurih, Switzerland, June 1990

63. Halici U., Dogac A., "Optimistic Method with Dummy Locks", (Invited Paper), Proc. of International Symposium on Computer and Information Sciences, ISCIS IV, Cesme, Turkey, September 1989.

64. Halici U., Dogac A., "Serializability of Database Histories", Proc. of International Symposium on Computer and Information Sciences, ISCIS III, pp. 325-340, Cesme, Turkey, November 1988.

65. Halici U., Dogac A., "Ordering Transactions by Serialization Numbers for Concurrency Control in Distributed Databases", Second International Symposium on Computer and Information Sciences, ISCIS II, Istanbul, October,1987.

NATIONAL CONFERENCE PAPERS

1. Aktukmak M, Halıcı U. Kızılötesi Kameralar için Super Çözünürlüğün FPGA Uygulaması. Gömülü Sistemler ve Uygulamaları Sempozyumu, GÖMSİS 2012

2. Gedik, E.; Cinar, U.; Karaman, E.; Yardimci, Y.; Halici, U.; Pakin, K.; , "A rule based approach for detecting bridges from high resolution electro-optic satellite images," Signal Processing and Communications Applications Conference (SIU), 2012 20th , vol., no., pp.1-4, 18-20 April 2012 doi: 10.1109/SIU.2012.6204808
URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6204808&isnumber=6204410

3. Karaman, E.; Cinar, U.; Gedik, E.; Yardimci, Y.; Halici, U.; , "Automatic road network extraction from multispectral satellite images," Signal Processing and Communications Applications Conference (SIU), 2012 20th , vol., no., pp.1-4, 18-20 April 2012 doi: 10.1109/SIU.2012.6204704
URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6204704&isnumber=6204410

4. Zongur U., Halici U., Orsan A., Ulusoy I., Detecting Airports in Satellite Images, Savtek 2010

5. Akinci U., Halici U., Leblebiciogu K., Single Camera Multi-target Tracking by Fuzzy Blob Association SIU 2010

6. Guducu V., Halici U., Hypothesis Based Detection of Building with Rectilinear Projection in Satellite Images Using Shade and Color Information, SIU 2010

7. Buyukatalay S., Birgul O., Halıcı U., Effects of Light Sources Selection and Surface Properties on Photometric Stereo Error, SIU 2010

8. Halici U. Classification in Frequency Domain of EEG Signals of Motor Imagery for Brain Computer Interfaces, Biyomut 2009

9. Bozkurt N, Halici U, Ulusoy I, Akagunduz E. 3D Data Processing for Enhancement of Face Scanner Data, IEEE SIU 2009, Bildiriler kitabı

10. Soner Büyükatalay S, Özlem Birgül Ö, Uğur Halici U. Iterative Photometric Stereo with Shadow and Specular Region Detection for 3D Reconstruction, IEEE SIU 2009, Bildiriler kitabı

11. Ahmet Oğuz Öztürk, Uğur Halıcı, İlkay Ulusoy, Erdem Akagündüz, 3D Face Reconstruction Using Stereo Images and Structured Light, IEEE SIU 2008, Bildiriler kitabı

12. Bülent Üstün, Uğur Halıcı, İlkay Ulusoy, Tolga İnan, "Effects of 3D Registration on Subspace Based Face Recognition Methods/3B Çakıştırmanın Altuzay Tabanlı Yüz Tanıma Yöntemlerine Etkisi / ", IEEE SIU 2008, Bildiriler kitabı

13. Halıcı U., "Beyin Bilgisyar Arayüzü", Bildiriler Kitabı, Davetli Konuşma, ASYU 2008, Isparta, Haziran 2008

14. Akagunduz, E., Ulusoy, I., Bozkurt, N., Halıcı, U., "Scale Invariant Representation of 2.5D Data /2.5b Verinin Ölçekten Bağımsız Gösterilmesi. SIU 2007, IEEE EXPLORE 10.1109/SIU.2007.4298576 p(1-4)

15. Ugur Halıcı ," El Önşekillendirmesi için 3B Animasyonu", Davetli Konusma, (Özet), Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu Bildiriler Kitabı, Yildiz Teknik Universitesi ASYU 2006, p. III, Istanbul, May 2006

16. Tolga Inan, Ilkay Ulusoy, Ugur Halici, "Probabilistic Face Pose Estimation", Proc of Fifteenth Turkish Symposium on Artificial Intelligence and Neural Networks TAINN 2006, Mugla Universitesi, June, 2006

17. Büyükatalay S., Akagündüz U., Halıcı U. Ulusoy İ., Leblebicioğlu K., "Kalibresiz Çoklu Görüntülerden 3B Yüz Modelleme", IEEE 14. Sinyal İşleme ve Uygulamaları Kurultayı, SIU, 17-19 Nisan, 2006, Belek, Antalya

18. U. Halıcı, İ. Ulusoy, K. Leblebicioğlu, A. Erol, G. Ongun, H. Serçe, Ö. Gönder, M. Önder, Biyometrik Sistemler: Parmakizi ve Yüz Tanıma, 2. Polis Bilişim Kurultayi, ,Ankara, Nisan 2005,

19. Büyükatalay, S., Akagündüz, E., Halıcı, U., Ulusoy, I., Leblebicioğlu, K., 3 Boyutlu yüz modeli oluşturma ve yüz ifadesi içeren konuşma canlandırması. Polis Bilişim 2005.

20. Türkçe Dudak Hareketlerinin ve Yüz İfadelerinin 3 Boyutlu Ortamda Benzetimi ve Bir Türkçe Ses Makinasıyla Eş Zamanlı Hale Getirilmesi, SIU 2004, pp. 276-279. (in Turkish)

21. Ulusoy, I., Halici, U., Hancock, E. R., Disparity Using Feature Points in Multiscale, SIU 2002, pp. 512-517. (in Turkish)

22. Tuncer, F., Halici, U., Ulusoy I., Post-filtering Focus Bluring Formation Using Open GL, SIU 2002, pp. 212-215. (in Turkish)

23. Colakoglu, (Ulusoy) I., Halici, U., Hancock, E. R., Disparity Using Multiscale Phase, Türkiye'de Nörobilimin Bugünü ve Geleceği, p. 26, 2001. (in Turkish)

24. U. Beldek, K. Leblebicioglu, U. Halici, "Genetik Programlama Yöntemi ile Robot Yönlendirme Probleminin Çözümlenmesi ve MATLAB Uygulamasi", TOK'2001, Bildiriler Kitabi, sayfa: 91-98, 18-19 Ekim, Bursa-Uludag, 2001.

25. E. Kiliç, K. Leblebicioglu, U. Halici, "Bulanik Renkli Petri Agi Kullanarak Asenkron Motorda Hata Teshis ve Tesbiti", TOK'2001, Bildiriler Kitabi, sayfa: 181-190, 18-19 Ekim, Bursa-Uludag, 2001.

26. M.S. Erden, K. Leblebicioğlu, U. Halici, "Hava Trafik Kontrolünde Pazarlik Kullanarak Çeliski Çözme Uygulamasi", TOK'2001, Bildiriler Kitabi, sayfa: 215-218, 18-19 Ekim, Bursa-Uludag, 2001.

27. A. Erdogan, U. Halici, K. Leblebicioglu, V. Atalay, "Doppler Radarlarda Hedef Tanima için Araç Tiplerinin Belirlenmesi", SIU'2001, Bildiriler Kitabi, sayfa 179-182, Gazi Magosa, KKTC, 2001.

28. M.S. Erden, K. Leblebicioglu, U. Halici, "Çok Ajanli Sistem Yaklasimiyla Hava Trafigi Kontrolu", SIU'2001, Bildiriler Kitabi, sayfa 427-432, Gazi Magosa, KKTC, 2001.

29. E. Kiliç, K. Leblebicioglu, U. Halici, "Egitilmis Üyelik Fonksiyonlari Kullanilarak Bulanik Karar Agaci ile Dogal Gazli Boru Hatlarinda Hata Bulma", SIU'2001, Bildiriler Kitabi, sayfa 440-445, Gazi Magosa, KKTC, 2001.

30. M.S. Erden, K. Leblebicioglu, U. Halici, "Çok Ajanli Sistem Yaklasimiyla Genetik Ayarlamali Bulanik Kontrol Kullanarak Iki Boyutta Nesne Teslimi Sistemi için Robot Kontrolü", SIU'2001, Bildiriler Kitabi, sayfa 717-722, Gazi Magosa, KKTC, 2001.

31. N. Khaled, U. Halici, K. Leblebicioðlu, C. Özgen, Ü. Akbay, "Yapay Sinir Agi Denetleç ile pH Denetimi", TOK'2000 Otomatik Kontrol Ulusal Toplantisi Bildiriler Kitabi, s. 37-42, 21-22 Eylül 2000, Hacettepe Universitesi, Ankara

32. S. Tuncay, M. S. Erden, K. Leblebicioglu, U. Halici, C.Özgen, "Genetik Algoritma Kullanarak Otomatik Petri Agi Çatimi (Construction)", TOK'2000 Otomatik Kontrol Ulusal Toplantisi Bildiriler Kitabi, s. 202-206, 21-22 Eylül 2000, Hacettepe Universitesi, Ankara

33. U. Halici, K. Leblebicioglu, C.Özgen, S. Tuncay, M. T. Dokucu, "Sinir Aglariyla Buhar Isitimli Kazan Denetimi", TOK'2000 Otomatik Kontrol Ulusal Toplantisi Bildiriler Kitabi, s. 127-132, 21-22 Eylül 2000, Hacettepe Universitesi, Ankara

34. Kaya M., C.Özgen, K. Leblebicioglu, U. Halici, "Yüksek Safliktaki Endüstriyel Bir Damitma Kolonunun Model Öngörümlü Denetleçle Denetimi", TOK'2000 Otomatik Kontrol Ulusal Toplantisi Bildiriler Kitabý, s. 19-23, 21-22 Eylül 2000, Hacettepe Universitesi, Ankara

35. Kaffashi F., C.Özgen, K. Leblebicioglu, U. Halici, "Ph Sistemlerinde Kayan Kipli Ve Bulanık Mantık Denetim Uygulamaları", IV. Ulusal Kimya Mühendisliği Kongresi, 4-7 Eylül, Istanbul Üniversitesi, Istanbul.

36. Ulusoy I., Halici U., Leblebicioglu K., Nalcaci E., Basar-Eroglu C., "Her İki Hemisferden Alinan Görsel Uyari Potansiyelleri Kullanarak Korpus Kallosum Lif Sayilarinin Tahmin Edilmesi", SIU 2000, Sinyal İşleme ve Uygulamaları Konferansı, June 2000, Antalya

37. G. Ongun, U. Halici, Sinan Beksac, K. Leblebicioglu, V. Atalay, "Kan Hücrelerinin Çevritlerinin Belirlenmesi için Özellestirilmis Hizli Yilan Algoritmasi", SIU 2000, Sinyal İşleme ve Uygulamaları Konferansı, June 2000, Antalya

38. O. Özün, A. Y. Mülayim, V. Atalay, K. Leblebicioglu, U. Halici, "Farkli Bakis Açilarindan 3 Boyutlu Nesne Modellemede Nesneyi Kapsayan Baþlangiç Küpü Çikarimi", SIU 2000, Sinyal İşleme ve Uygulamaları Konferansı, June 2000, Antalya

39. A.Y. Mülayim, V. Atalay, K. Leblebicioglu, U. Halici, "Çesitli Bakis Açilarindan 3 Boyutlu Nesne Geriçatiminda Silüet ve Stereo Tabanli Bilgilerin Kullanimi", SIU 2000, Sinyal İşleme ve Uygulamaları Konferansı, June 2000, Antalya

40. Erdogan A., Halici U., Leblebicioglu K., Atalay V., Turhan Sayan G., "Yapay Sinir Aglari ile Doppler Radar Hedef Sinyallerini Tanima", SIU 2000, Sinyal İşleme ve Uygulamaları Konferansı, June 2000, Antalya

41. U. Yilmaz, S. Genç, V. Atalay, U. Halici, K. Leblebicioglu, "Üç Boyutlu Nesnelerde Görüntü Tabanli Doku Geriçatimi Yöntemlerinin Karsilastirilmasi", SIU 2000, Sinyal İşleme ve Uygulamaları Konferansı, June 2000, Antalya

42. Akinci U., Leblebicioglu K., Halici U., Atalay V., "SAR Görüntülerinin Anizotropik Yayılım Tekniği ile Bölütlenmesi", SIU 99, Sinyal İşleme ve Uygulamaları Konferansı, June 1999, Ankara

43. Ulusoy I, Halici U., Karakas S, Leblebicioglu K., Atalay V., Erzengin O.U. "Isitsel uyarilar sonucu olusan EEG sinyallerinin dalgacik donusumu kullanilarak yapay sinir aglari ile siniflandirilmasi", SIU 99, Sinyal İşleme ve Uygulamaları Konferansı, June 1999, Ankara

44. Erdogan A., Leblebicioglu K., Halici U., Atalay V., Turhan Sayan G., "Yapay sinir aglari ile siniflandirmak uzere doppler radar hedef sinyallerinin normalizasyonu", SIU 99, Sinyal İşleme ve Uygulamaları Konferansı", June 1999, Ankara

45. Leloglu U. M. , Halici U., Leblebicioglu, K., Atalay V., "Kismi bina modellerinin goruntu eslemede kisit olarak kullanimi", SIU 99, Sinyal İşleme ve Uygulamaları Konferansı, June 1999, Ankara

46. Halici U. K. Leblebicioglu, V. Atalay, İ Ulusoy, G. Ongun, E. Gürses, "Fraktal Tahmin ile Görüntü Sıkıştırma", SIU 98, Sinyal İşleme ve Uygulamaları Kurultayı, 1998, pp 76-80

47. Halici U., Atalay V., Leblebicioðlu K., Arkan H., Mülayim A., Ceran S., "Internet Üzerinden Java ile

Görüntü İşleme Dersi", SIU 98, Sinyal İşleme ve Uygulamaları Kurultayı, 1998, pp 224-229

48. Erol A, Halici U., Leblebicioglu K, Atalay V, Ongun G, "Parmakizi Görüntülerinin Eşleştirilmesi", SIU 98, Sinyal İşleme ve Uygulamaları Kurultayı, 1998, pp 101-106

49. Erdoğan A., Halıcı U., Leblebicioglu K, Atalay V, Turhan Sayan G., "Darbeli Doppler Radarlarda Yansıma Sinyali Analizi ve Hedef Sınıflandırma için Öznitelik Çıkarımı" SIU 98, Sinyal İşleme ve Uygulamaları Kurultayı, 1998, pp 271-276

50. Ongun G., Halici U., Leblebicioglu K, Atalay V, "Otomatik Kan Hücresi Analiz ve Sınıflandırma Sistemi", SIU 98, Sinyal İşleme ve Uygulamaları Kurultayı, 1998, pp 316-321

51. Mülayim A., Atalay V., Leblebicioglu K., Halici U., "Bulanık Mantık Kullanılarak Doku Sınıflandırılması", SIU 98, Sinyal İşleme ve Uygulamaları Kurultayı, 1998, pp 554-559

52. Halici U., Atalay V, Leblebicioğlu K., Arkan H., Mülayim A., Ceran S., "Internet Üzerinde Sanal Eğitim ve JAVA Tabanlı Bir Görüntü İşleme Dersi", Bilisim 98, September 2-4, 1998, İstanbul

53. Halici U., Atalay V., Leblebicioğlu K., Arkan H., Mülayim A., Ceran S., "Internet Üzerinde Java Tabanlı Görüntü İşleme Dersi", BTIE'98, Bilisim Teknolojileri Isiginda Egitim konferansi, May 22-24, 1998, ODTU, Ankara

54. Cerkez C., Aybay I., Halici U., "Sayisal Bir Nöron Tasarımı", EMO Elektrik-Elektronik Bilgisayar 7. Ulusal Kongresi, Eylul 1997, Ankara, pp 51-54

55. Ongun G., Erol A., Leblebicioglu K., Atalay V. Halici U., "Sinir Aglari ile Dalgacik Tabanli Doku Bölütlemesi, 5. Sinyal İşleme ve Uygulamaları Kurultayı Bildiriler Kitabı, Kusadasi, Izmir, May 1997, pp 1-6

56. Ongun, G., Halici, U., Ozkalayci, E., HALafis Otomatik Parmakizi Tanima Sistemi TBD 12. Ulusal Bilisim Kurultayi Bildiriler Kitabi, Istanbul, Eylul 1995 (in Turkish).

57. Halici U., Bircan T. Aybay I. Koksal M. Erol A. HALDOC icin Otomatik Metin Okuma Sistemi , TBD 9. Ulusal Bilisim Kurultayi Bildiriler Kitabi, Istanbul, Eylul 1994 (in Turkish).

58. Halici E., Halici U., Aybay I., "Kopyanin Yasal Yollardan Engellenmesi", TBD 8. Ulusal Bilisim Kurultayi Bildiriler Kitabi, Istanbul, Eylul 1993 (in Turkish).

59. Halici U., Ünlü D. "A Morphological Analysis of Turkish Words Using Neural Networks", 2nd Turkish Artificial Intelligence and Neural Networks Symposium, TAINN II, Istanbul, June, 1993

60. Buyukkokten F., Isikli O., Halici U., Halici E., "EGS: Etkilesimli Grafik Sistemi", TBD 8. Ulusal Bilisim Kurultayi Bildiriler Kitabi, 27-29 Eylul 1990, Ankara, s 25-32 (in Turkish).

61. Isikli O., Buyukkokten F., Halici U., Halici E., "Veri Tabani Sistemlerinde Resim Uygulamalarinin Saklanabilmesi ve Bir Uygulama Olarak Halbase", TBD 8. Ulusal Bilisim Kurultayi Bildiriler Kitabi, 27-29 Eylul 1990, Ankara, s 97-105 (in Turkish).

62. Aybay I., Halici U., "Türkiye Üniversiteleri için bir Bilgisayar Egitimi Programý Önerisi", TBD 8. Ulusal Bilisim Kurultayi Bildiriler Kitabi, 27-29 Eylul 1990, Ankara, s 218-224 (in Turkish).

63. Dogac A., Halici U., "A New Technique for Concurrency Control in Distributed Databases", Proc. of METU EE 30. Anniversary Symposium, February 1989 (in Turkish).

64. Halici U., Guran H., "An Algorithm for Test Set Generation Single Stuck-at Faults of Combinational Circuits", Proc. of TBD 5th National Computer Symposium, Istanbul, Turkey, September 1984 (in Turkish).

NATIONAL JOURNALS/MAGAZINES

1. Halici U., "IBMDOS", Bilim ve Teknik Dergisi, TUBITAK, March 1991 (in Turkish).

2. Halici U., "DOS'a Yakindan bir Bakis", Bilim ve Teknik Dergisi, TUBITAK, February 1991 (in Turkish).

3. Halici U., "Cozulemeyen Problemler (Unsolvable Problems)", Bilim ve Teknik Dergisi, TUBITAK, February 1988 (in Turkish).

4. Dogac, A., Halici U., Civelek, F., Vural, S., "Veritabani Teknolojisi", Bilgisayar Dergisi, pp. 97-110, August 1988 (in Turkish)

M.Sc AND Ph.D. THESIS

1. Halici U., "Contributions to the Theory of Database Concurrency Control", Ph.D. Thesis, Dept. of Electrical and Electronics Eng., Middle East Technical University, Ankara, Turkey, February 1988.

2. Halici U., "An Algorithm for Test Set Generation of Combinational Circuits", M.Sc. Thesis, Dept. of Electrical and Electronics Eng., Middle East Technical University, Ankara, Turkey, September 1983.