

CURRICULUM VITAE

- 1. Name:** Boran Şekeroğlu
- 2. Date of Birth:** 21/12/1980
- 3. Title:** Assist. Prof.Dr.

4. Degrees:

Degree	Field	Institution	Date
B.Sc. (Hons)	Computer Engineering	Near East University	2001
M.Sc.	Computer Engineering	Near East University	2004
Ph.D.	Computer Engineering	Near East University	2008

5. Years of Service on Faculty:

Assistant Professor – 2009 - Present

6. Master / Ph.D. Theses Supervision: 8 Master Theses

6.1 Master Thesis- Completed: Intelligent Banknote Identification System

6.3 Ph.D. Thesis- Completed: Novel Image Binarization Methods with Application to Document Enhancement

7. Publications:

7.1 International Journals:

- Sekeroğlu B. & Yavuz N.İ., “Patient Room Security and Surveillance“, International Journal of Computer Theory and Engineering, Vol. 7, No. 4, pp. 253 – 258, August 2015.
- Adalı T., Sekeroğlu B., “Analysis of microRNAs by Neural Networks for early Detection of Cancer.” Procedia Technology, p. 449-452, 2012.
- Khashman A. & Sekeroğlu B., “Document Image Binarisation Using a Supervised Neural Network”, International Journal of Neural Systems, Vol. 18, No. 5, pp. 405-418, October 2008.
- Khashman A., Sekeroğlu B. & Dimililer K., “ICIS: A Novel Coin Identification System”, Lecture Notes in Control and Information Sciences, Vol. 345, Springer-Verlag, 2006.
- Khashman A., Sekeroğlu B. & Dimililer K., “Intelligent Rotation-Invariant Coin Identification System”, WSEAS Transactions on Signal Processing, ISSN 1790-5022, Issue 5, Vol. 2, 2006.
- Khashman A., Sekeroğlu B. & Dimililer K., “Intelligent Identification System for Deformed Banknotes”, WSEAS Transactions on Signal Processing, ISSN 1790-5022, Issue 3, Vol. 1, 2005.
- Khashman A. & Sekeroğlu B., “Multi-Banknote Identification Using a Single Neural Network”, Lecture Notes in Computer Science, Vol. 3708. Springer-Verlag, 2005.

7.2 International Symposiums and Conferences:

- Sekeroğlu B., “Intelligent Classification of Sonar Images”, 1st International Conference on Manufacturing Engineering, Quality and Production Systems, Romania, 2009.
- Khashman A., Sekeroğlu B. and Dimililer K., “Coin Identification Using Artificial Intelligence”, Plenary Lecture, Proceedings of the 15th GBU International Conference on Control, Development and Applied Informatics in Business and Economics. Brasov, Romania, 10-12 November 2008.
- Khashman A. and Sekeroğlu B., “Global Binarization of Document Images Using a Neural Network”, Proceeding of the IEEE 3rd International Conference on Signal-Image Technology & Internet-Based Systems (SITIS' 2007), Shanghai, China, 16-19 December 2007.
- Khashman A., Sekeroğlu B., “A Novel Thresholding Method for Text Separation and Document Enhancement”, Proceedings of the 11th Panhellenic Conference on Informatics (PCI 2007), Patras, Greece, 18-20 May 2007.
- Khashman A. and Sekeroğlu B., “Novel Thresholding Method for Document Analysis”, Proceedings of the IEEE International Conference on Industrial Technology (ICIT2006), India, 15-17 December 2006.

Khashman A., Sekeroglu B. & Dimililer K., "Intelligent Coin Identification System", Proceedings of the IEEE International Symposium on Intelligent Control (ISIC'06), Munich, Germany, 4-6 October 2006.

Khashman A., Sekeroglu B. & Dimililer K., "Coin Identification Using Neural Networks", Proceedings of the 5th WSEAS Int. Conf. on Signal Processing (SIP '06), Istanbul, Turkey, 27-29 May 2006.

Khashman A. & Sekeroglu B., "Enhancement of Unclear Patterns Using Pattern Average Thresholding", Proceedings of the 3rd International Symposium on Electrical, Electronic & Computer Engineering (ISEECE 2006), Nicosia, N. Cyprus, November 2006.

Khashman A., Sekeroglu B. & Dimililer K., "Deformed Banknote Identification Using Pattern Averaging and Neural Networks" Proceedings of the 4th WSEAS Int. Conf. on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS '05), Miami, USA, 17-19 November 2005.

Khashman A. & Sekeroglu B., "Intelligent Banknote Identification System", Proceedings of the 9th World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2005), Orlando, USA, July 2005.

Sekeroglu B., "Classification of Sonar Images Using Back Propagation Neural Network", IEEE IGARSS 2004, Vol.5, pp. 3092-3095, Alaska, 2004.

7.3 Books and Book Chapters:

Khashman A., Sekeroglu B. & Dimililer K., "Rotated Coin Recognition Using Neural Network". In Melin et al. (Eds.), Advances in Soft Computing 41, Part V: Pattern Recognition, Springer-Verlag Berlin Heidelberg, 2007.

7.4 Printed Lecture Notes:

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7.5 National Conferences/Symposiums:

Khashman A. & Sekeroglu B., "IBIS: Intelligent Banknote Identification System", Proceedings of the International Conference on Computational Intelligence (ICCI 2004), Nicosia, N. Cyprus, May 2004.

Khashman A. & Sekeroglu B., "Banknote Identification Using Neural Networks and Image Processing", Proceedings of the 2nd International Electrical, Electronics & Computer Engineering Symposium (NEU-CEE 2004), Nicosia, N. Cyprus, March 2004.

7.6 Other Publications:

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8. Projects:

Tooth Decay Identification

Traffic Sign Segmentation and Recognition

9. Administrative Posts:

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10. Citations:

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11. Scientific and Professional Society Membership:

IEEE

12. Courses Taught During the Last Two Semesters:

Academic Year	Semester	Course Name	Weekly taught hours		Number of Students
			Theory	Lab	
2014/2015	Fall	Image Processing	4	2	61
		Multimedia Systems	4	2	23
	Spring	Neural Networks	4	2	35
		Image Processing	4	2	22