CURRICULUM VITAE-06

1. Name: Ali SERENER

2. Date of Birth: 21 September 1976

3.Title: Assistant Professor

4. Degrees:

Degree	Field	Institution	Date
B.Sc.	Electrical Engineering	The University of Kansas	1997
M.Sc.	Electrical Engineering	Kansas State University	2000
Ph.D.	Electrical Engineering	Kansas State University	2005

5. Years of Service on Faculty:
Assistant Professor: Since 2008

6. Master / Ph.D. Theses Supervision:
6.1 Master Thesis - Completed:

MT1. Sameh Mashaqi, Application and analysis of LDPC codes to transmission and reconstruction of images, 2007.

MT2. Khaled A'amar, Performance analysis of pulsed jammed DS-SS with interleavers and convolutional encoder, 2007.

MT3. Hanan Badeea Ahmed, Design and analysis of a CGM sensor glucose concentration prediction system, 2013

MT4. Mohamed Abid Anwar, Microcontroller based physiological monitoring system with GSM technology

6.2 Ph.D. Thesis - Completed:

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7. Publications:
7.1 International Journals:

J1. Serener, B. Natarajan and D. M. Gruenbacher, "Lowering the error floor of optimized short block length LDPC coded OFDM via spreading," *IEEE Transactions on Vehicular Technology,* vol. 57, no. 3, pp. 1646-1656, May 2007.

7.2 International Symposiums and Conferences - Published Proceeding Papers

CP1. Serener, C. Kavalcioglu, "Teledermatology based medical images with AWGN Channel in Wireless Telemedicine System." Proceedings of the 1st WSEAS International Conference on Manufacturing Engineering, Quality and Production Systems (MEQAPS '09), Sept. 2009.

CP2. Serener, C. Kavalcioglu, "Wireless Telemedicine System in emergency medicine helicopter", Proceedings of the 11th WSEAS International Conference on Automatic Control, Modelling, and Simulation (ACMOS '09), May 2009.

CP3. Serener, B. Natarajan and D. M. Gruenbacher, "Optimized LDPC codes for OFDM and spread OFDM in correlated channels," in Proceedings of IEEE 65th Semiannual Vehicular Technology Conference, Apr. 2007.

CP4. Serener, B. Natarajan and D. M. Gruenbacher, "LDPC coded spread OFDM in indoor environments," in *Proceedings of IEEE 58th Semiannual Vehicular Technology Conference*, vol. 1, pp. 318-321, Oct. 2003.

CP5. Serener, B. Natarajan and D. M. Gruenbacher, "Performance of spread OFDM with LDPC coding in outdoor environments," in *Proceedings of 3rd International Symposium on Turbo Codes & Related Topics*, pp. 549-552, Sept. 2003.

CP6. D. M. Gruenbacher and A. Serener, "High rate coded OFDM with channel equalization," *2002 45th Midwest Symposium on Circuits and Systems*, vol. 3, pp. 445-448, Aug. 2002.

CP7. D. M. Gruenbacher and A. Serener, "Performance of coded OFDM in a fading environment using high rate low-density parity-check codes," *2001 IEEE Global Telecommunications Conference*, vol. 1, pp. 504-508, Nov. 2001.

7.3 Books and Book Chapters:

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7.4 Printed Lecture Notes:

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7.5 National Conferences/Symposiums:

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7.6 Other Publications:

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8. Projects:

PR1. Using LDPC codes in fourth generation wireless communication networks, TRNC Ministry of Education and Culture, 2007.

PR2. Investigating complexity and performance of short block length low-density parity-check codes, Hughes Network Systems Inc., 2001.

PR3. Performance effects of simplified Turbo decoder algorithm used in CDMA2000 standard, Motorola Inc., 2000.

PR4. Designing a channel simulator for high frequency heart monitor, Medtronic Inc., 1996.

9. Administrative Posts:

- Vice Chairman, Near East University, Department of Electrical and Electronic Engineering (March 2011-2013)
- Deputy Chairman, Near East University, Department of Electrical and Electronic Engineering (since October 2013)

10. Citations:

- Total 30 citations.

11. Scientific and Professional Society Membership:

- Member of Institute of Electrical and Electronic Engineers (IEEE) and IEEE Communications Society.

12. Courses Taught During the Last Two Years:

Academic Year	Semester	Course Name	Weekly taught hours		Number of Students
			Theory	Lab	
2012-	**Fall**	Signals and Systems	4	2	57

2013		Satellite Communication Systems	3	2	19
		Logic Circuit Design	3	2	19
	Spring	Electronics I	4	2	24
		Telecommunications	3	2	11
		Information Theory and Coding	3	0	8
2013-2014	**Fall**	Signals and Systems	4	2	79
		Signals and Systems (Turkish)	4	2	19
		Logic Circuit Design	3	2	23
	Spring	Telecommunications	3	2	8
		Communication Systems	4	2	18
		Information Theory and Coding	3	0	7
2014-2015	**Fall**	Signals and Systems (Turkish)	4	2	88
		Communication Systems (Turkish)	3	2	11
		Telecommunications (Turkish)	3	2	5
	Spring	Communication Systems (Turkish)	3	2	33
		Communication Systems	3	2	50
		Logic Circuit Design (Turkish)	3	2	36
2015-2016	**Fall**	Signals and Systems (Turkish)	4	2	104
		Logic Circuit Design (Turkish)	3	2	14
		Information Theory and Coding	3	0	20

13. Awards:

- J. William Fulbright scholarship, 1993-1997.
- School of Liberal Arts and Sciences Honors List, Fall 1993.
- School of Engineering Dean's List, Spring 1994.