

Curriculum Vitae

1. **Name Lastname:** Tuğçe Ballı Altuğlu
2. **Date & Place of Birth:** Nicosia/Cyprus, 15.11.1984
3. **Title:** Asst. Prof. Dr.
4. **Education:**

Degree	Field	University	Year
Lisans	Bilgisayar Mühendisliği	Doğu Akdeniz Üniversitesi	2005
Y. Lisans	Bilgisayar Bilimleri	Essex Üniversitesi	2006
Doktora	Bilgisayar Bilimleri	Essex Üniversitesi	2010

5. **Academic Titles:**
Asst. Prof. Dr. : 01.04.2011 – Altınbas University – Department of Computer Engineering
Asst. Prof. Dr. : 05.01.2017 – Uskudar University – Department of Software Engineering

6. Supervised Msc. and Ph.D. Theses

6.1. Msc Theses

Thesis Student : Uğur Çoruh

Co Supervisor: Fatih Koçan

Thesis Title: Sram Tabanlı Fpga Devrelerinde Lut Seviyesinde Fonksiyonlar Arasındaki Npn İlişkilerin Maksimize Edilmesi

Thesis Student : Fuat Candan

Thesis Title: Klasik Soru Değerlendirme Karar Destek Sistemi

Thesis Student : Mustafa Koçal

Thesis Title: Dil Dershaneleri İçin Müşteri Ve Müşteri Temsilcilerinin Takibi Ve İşletme Analizleri

Thesis Student : Yener Sönmez

Co Supervisor: Adil Deniz Duru

Thesis Title: Açık Kaynak Programlar İle İnternet Üzerinden Öğrenci Takip Sistemi Tasarımı Ve Performans Analizi

7. Publications

7.1. Published Articles in International Journals

1. T. Ballı and R. Palaniappan. Classification of Biological Signals using Linear and Nonlinear Features. *Physiological Measurement*, 31(7): 903-920, July 2010. (SCI)
2. T. Ballı and R. Palaniappan. On the Complexity and Energy Analyses in EEG between Alcoholic and Control Subjects During Delayed Matching to Sample Paradigm. *International Journal of Computational Intelligence and Applications*, 7(3):301-15, September 2008. (Scopus)
3. T. Ballı, R. Palaniappan, Approximate Entropy as an Indicator of Nonlinearity in Self Paced Voluntary Finger Movement EEG. *Journal of Medical Engineering and Informatics*, 2013 Vol.15, No.2, pp.103-116. (Scopus)

7.3. Presented Papers at International Conferences (*Proceedings*)

1. T. Ballı, R. Palaniappan and D.P. Mandic. On the Linearity/Non-linearity of Mental Activity EEG for Brain Computer Interface Design. *Proceedings of Kuala Lumpur International Conference on Biomedical Engineering*. Kuala Lumpur, Malaysia, 11-14 December, 2006, pp.451-454.
2. T. Ballı and R. Palaniappan. EEG Time Series Analysis with Exponential Autoregressive Modelling. *Proceedings of Canadian Conference on Electrical and Computer Engineering (CCECE2008)*, Canada, 4-7 May, 2008, pp.485-488.

3. M. Dyson, T. Balli, J.Q. Gan, F. Sepulveda and R. Palaniappan. Approximate Entropy for EEG Based Movement Detection. Proceedings of the 4th International Workshop on Brain-Computer Interfaces, Graz, Austria, 2008, pp.110-115.
4. B. Awwad Shiekh Hasan, M. Dyson, T. Balli, and J.Q. Gan. A study via feature selection on the separability of approximate entropy for brain-computer interfaces. Proceedings of the UK Workshop on Computational Intelligence (UKCI2008), De Montfort, UK, 2008, pp.189-194.
5. T. Balli, R. Palaniappan and J. Bhattacharya. Minimising Prediction Error for Optimal Nonlinear Modelling of EEG Signals Using Genetic Algorithm. Proceedings of the 4th International IEEE EMBS Conference on Neural Engineering, Antalya, Turkey, 29 April-2 May, 2009, pp.363-366.
6. T. Balli and R. Palaniappan. A Combined Linear& Nonlinear Approach for Classification of Epileptic EEG Signals. Proceedings of the 4th International IEEE EMBS Conference on Neural Engineering, Antalya, Turkey, 29 April-2 May, 2009, pp. 714-717.
7. T. Balli, S.M. Deniz, B. Cebeci, M. Erbey, A.D. Duru, T. Demiralp, "Emotion Recognition Based on Spatially Smooth Spectral Features of the EEG". Proceedings of 6th International IEEE/EMBS Conference on Neural Engineering, pp. 407-410, 6-8 Nov 2013, San Diego, CA.
8. T. Balli and K. Altun, "Recognizing Touch Gestures for Social Human-Robot Interaction". Proceedings of the 2015 ACM on International Conference on Multimodal Interaction, pp. 407-4013, 9-13 November 2015, Seattle, Washington, US.
9. Y. Sönmez, O. Bayat, T. Balli Altuglu, A.D. Duru, "Performance Comparison of PHP-ASP Web Applications via Database Queries". Proceedings of the The International Conference on Engineering & MIS 2015, Article No: 45, 24-26 September 2015, Istanbul, Turkey.
10. K. Altun and T. Balli, "İnsan-Robot Sosyal Etkileşiminde Dokunma Algılayıcıları ile El Hareketi Tanıma", Türkiye Robotbilim Konferansı, 26-27 October 2015, Istanbul, Turkey.

7.4. Published Books or Book Chapters

1. T. Balli and R. Palaniappan. Nonlinear Approach to Brain Signal Modelling. M. Khosrow-Pour (ed.): Encyclopedia of Information Science and Technology, Second Edition, Volume VI, IGI Global, Hershey, PA, USA, 2009, pp.2834-2839.

8. Projects

1. İstanbul Kemerburgaz Üniversitesi Bilimsel Araştırma Projesi Destek Fonu - Towards an Online Asynchronous Brain Computer Interface Design.

9. Administrative Experience

- Altınbas University – Department of Computer Engineering – Department Chair (April 2011-September 2014)
- Altınbas University – Information Technologies Graduate Program – Program Chair (September 2011 – October 2016)
- Altınbas University – Department of Computer Engineering – Department Chair (September 2016 – August 2017)

12. Courses Taught for Bsc and Msc Programs in the Past Two Years

Academic Year	Semester	Course Name	Course Credits		Number of Students
			Theoretical	Practical	
2014-2015	Fall	CE 361 Database Systems	2	2	30
		CE 201 Object Oriented Programming	2	2	30
	Spring	CE 202 Data Structures and Algorithms	3	0	30
		IT 584 Artificial Intelligence	3	0	10
2015-2016	Fall	CE 201 Object Oriented Programming	2	2	30
		IT 502 Programming Workshop	3	0	15
		CE 472 Artificial Intelligence	3	0	30
	Spring	CE 202 Data Structures and Algorithms	3	0	30
		CE 102 Computer Programming II	2	2	120