

## CURRICULUM VITAE

**1. Name Lastname** : Ahmet Çağatay Talay

**2. Date & Place of Birth** : Ceyhan / 24.02.1976

**3. Title** : Asst. Prof. Dr.

**4. Education** :

Degree	Field	University	Year
BSc	Computer Engineering	Yıldız Technical University	2001
MSc	Computer Engineering	İstanbul Technical University	2004
PhD	Computer Engineering	İstanbul Technical University	2011

**5. Academic Titles:**

**6. Supervised MSc. and Ph.D. Theses**

**6.1. MSc Theses**

**6.2. PhD Theses**

**7. Publications**

**7.1. Published Articles in International Journals (SCI & SCI-E)**

A. Cagatay Talay and D. Turgay Altılar, "Self Adaptive Routing for Dynamic Spectrum Access in Cognitive Radio Networks", *Journal of Network and Computer Applications*, vol. 36, no. 4, pp.1140-1151, July 2013. (doi:10.1016/j.jnca.2013.01.007)

A. Cagatay Talay and D. Turgay Altılar, "RAC: Range Adaptive Cognitive Radio Networks", *Elsevier Computer Standards&Interfaces*, vol. 34, no. 1, pp. 24-30, January 2012. (doi:10.1016/j.csi.2011.04.002)

A. Cagatay Talay and D. Turgay Altılar, "United Nodes: Cluster based Routing Protocol for Mobile Cognitive Radio Networks", *IET Communications*, vol. 5, no. 15, pp. 2097-2105, October 2011. (doi:10.1049/iet-com.2010.0285)

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

Ismail Butun, A. Cagatay Talay, D. Turgay Altılar, Murad Khalid, Ravi Sankar, "Impact of mobility prediction on the performance of Cognitive Radio networks", *Proceedings of the Wireless Telecommunications Symposium (WTS 2010)*, pp. 1-5, Tampa, FL, USA, 21-23 April 2010.

A. Cagatay Talay and D. Turgay Altılar, "ROPCORN: Routing Protocol For Cognitive Radio Ad Hoc Networks", *Proceedings of International Conference on Ultra Modern Telecommunications & Workshops (ICUMT 09)*, pp. 1 - 6, St. Petersburg, Russia, 12-14 Oct. 2009.

A. Cagatay Talay and D. Turgay Altılar, "RACON: a routing protocol for mobile cognitive radio networks", Proceedings of the 2009 ACM Workshop on Cognitive Radio Networks (CoRoNet 2009) in conjunction with MobiCom 2009, pp. 73-78, Beijing, China, 21 September 2009.

A. Cagatay Talay and D. Turgay Altılar, "RAC: Range adaptive cognitive radio networks", Proceedings of 4th International Conference on Communications and Networking in China, ChinaCOM 2009, pp. 1-5, Xi'an, China, 26-28 August 2009.

A. Cagatay Talay, "An Approach For Eye Detection In Images With Unconstrained Backgrounds In Real-Time Using Parallel Genetic Algorithm", Proceedings of the 5th International Conference On Electrical And Electronics Engineering, ELECO'2007, Bursa, Turkey, 5-9 December 2007.

A. Cagatay Talay, "Eye Detection in Real-Time Motion", Proceedings of the 3rd APIS (Asian Pacific International Symposium), pp. 490-495, Istanbul, Turkey, January 13-14, 2004.

Ömer Aköz and A. Cagatay Talay, "Detecting Human Eyes in Arbitrary Images", Proceedings of 15th International Conference on Computer and Information Sciences, ISCIS'2000, pp. 428-436, Istanbul, Turkey, 11-13 October 2000.

### **7.3. Yazılan Uluslar arası kitaplar veya kitaplarda bölümler.**

A. Cagatay Talay, "A Gateway Access-Point Selection Problem and Traffic Balancing in WMNs", Lecture Notes in Computer Science, Vol. 4448, pp.161-168, Springer-Verlag, April 2007.

A. Cagatay Talay , "An Approach for Eye Detection Using Parallel Genetic Algorithm", Lecture Notes in Computer Science, Springer-Verlag, Vol. 3516, pp. 1004-1007, 2005.

A. Cagatay Talay, "A Parallel Genetic Algorithm/Heuristic Based Hybrid Technique for Routing and Wavelength Assignment in WDM Networks", Lecture Notes in Computer Science, Springer-Verlag, Vol. 3280, pp. 819-826, 2004.

A. Cagatay Talay and Sema F. Oktug, "A GA/Heuristic Based Hybrid Technique for Routing and Wavelength Assignment in WDM Networks", Lecture Notes in Computer Science, Vol. 3005, Springer-Verlag, April 2004, pp.150-159.

### **7.4. Published Articles in National Journals**

### **7.5. Presented Articles at National Conferences**

A. Cagatay Talay and D. Turgay Altılar, "Tasarsız Bilişsel Radyo Ağlarında Yönlendirmede Yol Düzeltmenin Başarıma Etkisi-(in Turkish)", Proceedings of the Elektrik-Elektronik Bilgisayar Sempozyumu (FEEB 2011), pp. 229- 232, Elazığ, Turkey, 5-7 October 2011.

A. Cagatay Talay and D. Turgay Altılar, "Menzil Adaptif Bilişsel Radyo Ağları-(in Turkish)", Proceedings of the IV. İletişim Teknolojileri Ulusal Sempozyumu, Adana, Turkey, 15-16 October 2009.

### **7.6 Other Publications**

### **8.Projects**

### **9. Administrative Experience**

**10. Affiliation of Institutes**

IEEE

**11. List of Awards****12. Courses Taught for Bsc and Msc Programs in the Past Two Years**

Academic Year	Semester	Course	Credits		Number of Students
			Theoretical	Practical	
2017-2018	Spring	Programming Practice (Python)	2	2	45