

## ULAŞ BELDEK

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### Personal Information:

Date of birth : April 20, 1977  
Place of birth : Mersin (İçel), Turkey  
Nationality : Turkish  
Marital Status : Single  
Academic : Asst. Prof. Dr. (01-10-2010)  
degree  
Hobbies : Basketball, swimming, cinema, reading

### Education Background:

2002- 2009 : Middle East Technical University, Ankara, TURKEY  
Ph. D, Electrical and Electronic Engineering Department  
GPA: 3.75 / 4 High Honor  
1999–2001 : Middle East Technical University, Ankara, TURKEY  
M.S, Electrical and Electronic Engineering Department GPA: 3.57 / 4  
High Honor  
1995–1999 : Middle East Technical University, Ankara, TURKEY  
B.S., Electrical and Electronic Engineering Department GPA: 3.04 / 4  
Honor  
1988-1995 : İçel Anadolu Lisesi (High School), Mersin, TURKEY

### Professional Background:

2011 April- .. Çankaya University, Ankara, TURKEY  
Mechatronics Engineering Department (academic staff)  
2011- 2011 Çankaya University, Ankara, TURKEY  
March Mechatronics Engineering Department, ( department founder chairperson)  
2010 Çankaya University, Ankara, TURKEY  
February- Electronic and Communication Engineering Department (academic staff)  
2010  
December  
2002–2009 : Çankaya University, Ankara, TURKEY  
August Electronic and Communication Engineering Department

- 1999 - 2002 : Middle East Technical University, Ankara, TURKEY  
Teaching Assistant at Electrical and Electronic Engineering Department
- August 1998 : İzocam A.Ş Glass Wool Factory, Tarsus, TURKEY  
Trainee
- August 1997 : Çimsa A.Ş Cement Factory, Mersin, TURKEY  
Trainee

### Courses Taught:

ECE 107 Engineering Orientation + Lab  
ECE 233 Electrical Circuit Analysis + Lab  
ECE 218 Principles of Signals and Systems + Lab  
ECE 232 Advanced Electrical Circuit Analysis + Lab  
ECE 246 Fundamentals of Electronics + Lab  
ECE 307 Probability and Random Processes  
ECE 488 Automatic Control Systems  
ECE 647 Linear Systems Theory I

### Language Skills:

	Reading	Writing	Speaking
English	Advanced	Advanced	Advanced

### Computer Skills:

C Programming Language, Matlab

**Research Areas:** Optimization, Neural Networks, Genetic Algorithm, Genetic Programming, Fuzzy logic, Control Theory.

### Ph.D. Research:

Design and Improvement of Multi-Level Decision-Making Models:

Dissertation Committee: Prof. Kemal Leblebicioğlu, Prof. Uğur Halıcı, Prof. Faruk Polat.

### Articles in SCI and SSCI Journals:

U. Beldek, K. Leblebicioğlu, 2007 "Strategy Creation, Decomposition and Distribution in Particle Navigation," *Information Sciences* 177: 3, 755-770.

U. Beldek, K. Leblebicioğlu, 2009 "Local Decision Making and Decision Fusion in Hierarchical Levels," *TOP: An Official Journal of the Spanish Society of Statistics and Operations Research* 17: 44-69.

### Refereed Conferences:

Beldek, U., Leblebicioğlu K. and Halıcı, U., 2001. "Genetik Programlama ile Robot Yönlendirme Probleminin Çözülmesi", TOK 2001, Otomatik Kontrol Ulusal Toplantısı, Uludağ University, Uludağ/Bursa/Turkey, 18-19 October, pp 91-98

Beldek, U., Leblebicioğlu K. and Halıcı, U., 2002. "Robot Yönlendirme Probleminin Genetik Programlama ile Çözümünde Yeni Yaklaşımlar" SİU 2002, 10. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Işık İniversity, Pamukkale/Denizli/ Turkey, 12-14 Haziran, pp 278-285.

Beldek, U., Leblebicioğlu K. and Halıcı, U., 2002. "Robot Yönlendirme Probleminin Çözümünde

*Modüler Yaklaşım*”, TOK 2002, Otomatik Kontrol Ulusal Toplantısı, ODTÜ, Ankara/Turkey, September 9-11, pp 705-713.

Beldek, U., Leblebicioğlu K. and Erkman, A., 2003. “*Labirentte Yol Planlama ve yol Bulma*”, SİU 2003, 11. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Koç University, İstanbul/Turkey, June 18-20, pp 126,129.

Beldek, U., Leblebicioğlu K., 2005. “*Predator Prey Problem: Construction of Predator Strategy with respect to Different Pray Movement*”, TAINN 2005, The 14<sup>th</sup> Turkish Symposium on Artificial Intelligence and Neural Networks, İzmir Institute of Technology, Çeşme/İzmir/Turkey, June 16-17, pp 146-153.

Beldek, U., Leblebicioğlu K., 2005. “*Strategy Creation, Decomposition and Distribution in Particle Navigation: Memory Module*”, IFAC 2005, International Federation of Automatic Control 16<sup>th</sup> World Congress, , Prague/Czech Republic, July 4-8, (Proceedings of the 16<sup>th</sup> IFAC World Congress is available at Elsevier, ISBN: 0-08-045108-X)

Beldek, U., Leblebicioğlu K., 2006. “*Predator Pray Problem: Recursive Evolution of Homogeneous Predator and Prey Strategies by Genetic Programming*”, TAINN 2006, The 15<sup>th</sup> Turkish Symposium on Artificial Intelligence and Neural Networks, Muğla University and Ege University, Akyaka (Gökova)/Muğla/Turkey, June 21-23, pp 133-140.

Beldek, U., Leblebicioğlu K., 2007. “*Hiyerarşik Karar Verme ve Karar Birleştirme*”, SİU 2007, 15. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Anadolu University, Eskişehir/Turkey, June 11-13.

Beldek, U., Leblebicioğlu K., 2007. “*Bulanık Mantık ile Hiyerarşik Karar Verme ve Karar Birleştirme*”, TOK 2007, Otomatik Kontrol Ulusal Toplantısı, Sabancı University, İstanbul/Turkey, September 5-7, pp 67-72.

Beldek, U., Leblebicioğlu K., 2007. “*Developing Growing Hierarchical Structures for Decision Making*”, ISCIS 2007, The 22<sup>nd</sup> International Symposium on Computer and Information Sciences, ODTÜ, Ankara/Turkey, November 7-9.

Beldek, U., Leblebicioğlu K., 2008. “*Yerel Karar Verme ve Karar Birleştirme Tekniğinin Hata Bulmak Amacıyla Kullanılması ve Bayes Sınıflandırıcı ile Kaşıştırılması*”, MTS 2008, 1. Mühendislik ve Teknoloji Sempozyumu , Çankaya University, Ankara/Turkey, April 24-25.

Beldek, U., Leblebicioğlu K., 2008. “*Local Decision Making and Decision Fusion in Four Tank Water Circulation System for Fault Detection.*”, IWOR 2008, International Workshop on Operational Research, Madrid/Spain, June 5-7.

Beldek, U., Leblebicioğlu K., 2008. “*Evolving a Hierarchical Decision Making Mechanism Using Fuzzy Logic*”, IFAC 2008, International Federation of Automatic Control 17<sup>th</sup> World Congress, Seoul/South Korea, July 6-11.

Beldek, U., Leblebicioğlu K., 2009. “*Çok Seviyeli Karar Verme Sistemlerinde Seviyeler Arası Performansa Dayalı Karar Aktarma Yöntemleri*”, MTS 2009, 2. Mühendislik ve Teknoloji Sempozyumu , Çankaya Üniversitesi, Ankara/Turkey, April 30-May 1.

Beldek, U., Leblebicioğlu K., 2010. “*Bir Hiyerarşik Karar Verme Modelinin Başarı Performansı*”, MTS 2010, 3. Mühendislik ve Teknoloji Sempozyumu , Çankaya University, Ankara/Turkey, April 29-30.

Beldek, U., Leblebicioğlu K., 2011. “*Local Decision-Making in Multiple Levels for Loettery Data Analysis*”, IFAC 2011, International Federation of Automatic Control 18<sup>th</sup> World Congress, Milano/Italy, August 28- September 2.

**References:**

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