


IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data Form

A. PERSONAL		
Title	Assist. Prof. Dr.	
Name	Kerem ALTUN	
Birth Place and Year	Ankara 1977	
e-Mail / Personal Web Site		
Working Field	Robotics, sensing, mechatronics	
Foreign Language	English, Spanish	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2011	Electrical and Electronics Engineering	Bilkent University
Master of Science	2002	Mechanical Engineering	Middle East Technical University
Bachelor of Science	1999	Mechanical Engineering	Middle East Technical University
Associate			

C. ACADEMIC		
Title	Year	Institution
Professor	-	-
Associate Professor	-	-
Assistant Professor	2016 -	Işık University
Assistant Professor	2012 - 2016	Istanbul Kemerburgaz University
Lecturer	-	-
Research Assistant	2005 - 2011	Bilkent University
Research Assistant	2000 - 2005	Middle East Technical University

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2016 -	Faculty, Işık University, Mechanical Engineering Department
2012 - 2016	Faculty, Istanbul Kemerburgaz University, Mechanical Engineering Dept.
2005 - 2011	Research Assistant, Bilkent University, Electrical and Electronics Eng. Dept.
2000 - 2005	Research Assistant, Middle East Technical University, Mechanical Eng. Dept.
b. Abroad	
2011 - 2012	Postdoctoral fellow, The University of British Columbia, Vancouver, BC, Canada

E. ADMINISTRATIVE EXPERIENCE	
a. In the University	

b. In other Institutions	

F. INTERESTED SUBJECTS
Intelligent sensing
Human and robot perception
Signal processing
Machine learning, pattern recognition
Cognitive science and robotics

G. INSTRUCTED COURSES	
a. At Işık University	b. At the Other Institutions
ME436 Modern Control Theory	Theory of Machines
ME242T Dinamik	Dynamics
ME346 Machine Theory	Statics and Mechanics of Materials
AUE425 Mechatronics for Automotive Eng.	Signals and Systems
	Estimation Theory
	Random Processes
	Pattern Recognition
	Artificial Neural Networks
	Linear Algebra

H. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	3 (ongoing)
Doctorate	

I. PUBLICATIONS						
Type	SCI International Journal Papers	Other International Journal Papers	National Referred Journal Papers	International Symposium Papers	National Symposium Papers	Books / Chapters in Books (Translations Incl.)
Numbers	5			6	4	2
SCI Total Number of Citations	130					
Important Publications						
T. Ballı Altuğlu, K. Altun , "Recognizing touch gestures for human-robot interaction," Proceedings of 17th International Conference on Multimodal Interaction, 9-13 November 2015, Seattle, WA, USA.						
K. Altun , K. E. MacLean, "Recognizing affect in human touch of a robot," Pattern Recognition Letters, 66(1), pp. 31-40, November 2015.						
K. Altun , B. Barshan, "Pedestrian dead reckoning employing simultaneous activity recognition cues," Measurement Science and Technology, 23(2), 025103, February 2012.						
K. Altun , B. Barshan, O. Tunçel, "Comparative study on classifying human activities with miniature inertial and magnetic sensors," Pattern Recognition, 43(10), pp. 3605-3620, October 2010.						
O. S. Schneider, K. E. MacLean, K. Altun , I. Karuei, M. A. Wu, "Real-time gait classification for persuasive smartphone apps: structuring the literature and pushing the limits," International Conference on Intelligent User Interfaces, 19-22 March 2013, Santa Monica, CA, USA.						
K. Altun , B. Barshan, "Representing and evaluating ultrasonic maps using active snake contours and Kohonen's self-organizing feature maps," Autonomous Robots, 29(2), pp. 151-168, August 2010.						

J. RESEARCH EXPERIENCE						
Number of Projects	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
As Supervisor						
As Researcher						

K. REFERREING								
	SCI Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	8			15	12			

L. INTELLECTUAL PROPERTIES			
Patents	Utility Models	Industrial Designs	Other
-	-	-	-

M. PROFFESIONAL ASSOCIATION MEMBERSHIPS
Institute of Electrical and Electronics Engineers (IEEE)
European Association for Cognitive Systems (EUCog)
TMMOB Makina Mühendisleri Odası