


IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data Form

A. PERSONAL		
Title	Part-Time Lecturer (Mech. Eng. PhD)	
Name	Orhan ATABAY	
Birth Place and Year	İzmir 1971	
e-Mail / Personal Web Site	atabay@itu.edu.tr , http://web.itu.edu.tr/~atabay/	
Working Field	Mechanical Engineering, Vehicle Technology	
Foreign Language	German, English	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2004	Mechanical Engineering (Automotive)	Istanbul Technical University
Master of Science	1996	Mechanical Engineering (Automotive)	Istanbul Technical University
Bachelor of Science	1994	Mechanical Engineering	Istanbul Technical University
Associate	-	-	-

C. ACADEMIC		
Title	Year	Institution
Professor	-	
Associate Professor	-	
Assistant Professor	-	
Lecturer	2010 -	Istanbul Technical University (ITU), Mechanical Eng. Dept.
Research Assistant	1997 - 2010	Istanbul Technical University (ITU), Mechanical Eng. Dept.

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2010 -	Lecturer, ITU Mechanical Engineering Department
-	-
-	-
b. Abroad	
2006 – 2009	Visitor Scientist, TU Braunschweig, Inst. of Automotive Eng., GERMANY
1998 - 1999	Visitor Scientist, TU Braunschweig, Inst. of Automotive Eng., GERMANY

E. ADMINISTRATIVE EXPERIENCE	
a. In the University	
-	-
-	-
-	-

b. In other Institutions	
-	-
-	-

F. INTERESTED SUBJECTS
Vehicle dynamics modeling and simulation, driving simulators
Road vehicle chassis and powertrain systems
Vehicle control systems
Electric and hybrid electric vehicles
Driver assistance systems

G. INSTRUCTED COURSES	
a. At Işık University	b. At the Other Institutions
AUE421 Vehicle Design and CAD	Power Transmission in Vehicles (ITU)
AUE328 Power Transmission Systems	Electric and Hybrid Electric Vehicles (ITU)
	Driver Assistance Systems (ITU)
	Engineering Mathematics (ITU)
	Vehicle Control Systems (ITU)
	Computer Aided Simulation in Automotive Engineering (ITU)

H. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	5
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	1	0	1	16	17	0
SCI Total Number of Citations	5					
Important Publications						
1. Atabay, O., Goktan, A.G., 2005. „ Development of a Full-Vehicle Simulation Model for Driving Simulator Applications “, Journal “D” of Istanbul Technical University, Volume 4/4, pp 39-50. August 2005. ISSN 1303-703X (In Turkish)						
2. Hasagasioglu S., Kilicaslan K., Atabay O., Guney A., " Vehicle dynamics analysis of a heavy-duty commercial vehicle by using multibody simulation methods ", International Journal of Advanced Manufacturing Technology, Volume 60, Issue 5, pp. 825-839, 2012						
3. Atabay O., Goktan A. G., Guler, K. " Development of a Driving Simulator for the Investigation of Driver-Vehicle-Environment Interaction " – Poster Presentation, FISITA 2006, World Automotive Congress, 22 – 27 Oktober 2006, Yokohama, Japan.						
4. Atabay O., Janssen A., Kollmer H. " Chassis Optimization using Operational Load- and Comfort Simulation - Fahrwerkoptimierung durch Betriebslast- und Komfortsimulation " 12. IfF Tagung, March 7 – 9, 2007, Braunschweig, Germany. (In German)						
5. Atabay O., Janssen A., Klose G., Deixler N., Heitmann F.-T. " Optimization of Multibody System Simulation Models for Comfort Calculations " Vehicle Dynamics Expo 2007 - Open Technology Forum, May 8-10, 2007, Stuttgart, Germany. (In German).						

6. Atabay O., Bergmann M.L., Klose G., Janssen A. "**Optimization of Road Vehicle Vertical Dynamics - Optimierung der Fahrzeugvertikaldynamik**" Haus der Technik, Fahrwerk-Vertikaldynamik: Systeme und Komponenten, November 13-14, 2007, Essen, Germany. (In German).

7. Frommig L., Atabay O., Pawellek T, Beduk M.D. "**HIL Evaluation of electromechanical Steering Systems**" FISITA 2010, World Automotive Congress, 30 May – 4 June 2010, Budapest, Hungary.

8. Engin, Y., Onol, A.O., Icke, A., Atabay, O. "**Strategy Optimization of a Solar Car for a Long-distance Race using Big Bang – Big Crunch Optimization**", CINTI 2013, 14th IEEE International Symposium on Computational Intelligence and Informatics, November 19-21, 2013, Budapest, Hungary.

J. RESEARCH EXPERIENCE

	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
Number of Projects						
As Supervisor	-	-	-	1	-	2
As Researcher	-	-	1	1	-	10

K. REFERREING

	SCI Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	1	-	-	-	-	-	7	-

L. INTELLECTUAL PROPERTIES

Patents	Utility Models	Industrial Designs	Other
2 (in application stat.)	-	-	-

M. PROFFESIONAL ASSOCIATION MEMBERSHIPS

Society of Automotive Engineers, USA (SAE)

TMMOB, Chamber of Mechanical Engineers (Turkey)