

**IŞIK UNIVERSITY**  
**Department of Mechanical Engineering**  
**ACADEMIC PERSONNEL INFORMATION FORM**

A. PERSONAL INFORMATION		
Title	Assistant Prof. Dr.	
Full Name	Barış AYKENT	
Place and Year of Birth	Zonguldak (TÜRKİYE) / 1981	
E-Mail / Personal Website	<a href="mailto:baris.aykent@isikun.edu.tr">baris.aykent@isikun.edu.tr</a>	
Research Area	Control Theory and Applications, Machine Learning	
Foreign Languages	English	

B. EDUCATION			
	Year	Field	Institution
PhD	2013	Control Engineering	Ecole Nationale Supérieure d'Arts et Métiers (ENSAM), Paris, France
MSc	2007	System Dynamics and Control	Istanbul Technical University
BSc	2004	Mechanical Engineering	Yıldız Technical University
Associate Degree	-	-	-

C. ACADEMIC POSITIONS		
Title	Year	Institution
Professor	-	-
Associate Professor	-	-
Assistant Professor	2025	Işık University, Mechanical Engineering Department
Lecturer	-	-
Research Assistant	-	-

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2025 -	Işık University, Assistant Professor, Mechanical Engineering Department
2024 - 2025	Electric Vehicle Company, Software & Control Consultant
2023 - 2024	Altınay, Software & Control Consultant
2015 - 2023	Various Automotive Companies, Senior Software & Control Engineer / Team Lead
2005 - 2007	ITU Vehicle Control Laboratory, MSc Researcher
b. Abroad	
2010 - 2015	ENSAM / Renault, Research Assistant, Paris, France
2007 - 2010	BAST / Daimler, Research Engineer, Hamburg, Germany

E. ADMINISTRATIVE DUTIES	
a. In the University	
-	-

b. In other institutions	
-	-

F. RESEARCH INTERESTS
Control Theory and Applications
Machine Learning and Artificial Intelligence

G. COURSES TAUGHT	
a. Işık University	b. Other Institutions
ELEC3101 Electromechanical Energy Conversion	EE487B Applied AI in Auto. Systems (MEF Un.)
MECT4411 Mechatronic System Design	-
MECH4614 Electric and Hybrid Vehicles	-
MECH4460 Industrial Automation	-
ENGR 4450 Applied Artificial Intelligence	-

H. SUPERVISED GRADUATE THESES	
MSc	3 (Germany)
PhD	-

I. PUBLICATIONS						
Type	SCI Intl. Articles	Other Intl. Articles	National Hakemli Articles	Intl. Conf. Papers	National Conf. Papers	Book / Chapter (incl. translations)
Count	3	-	-	9	-	1
<b>Total SCI Citations</b>	93					
Notable Publications						
1. Aykent, B. (2025). <i>Human-centric AI for vehicle dynamics control: With methodology, modelling and simulation</i> . Springer Nature.						
2. Aykent, B., Merienne, F., Paillot, D., & Kemeny, A. (2014). Influence of a new discrete-time LQR-based motion cueing on driving simulator. <i>Optimal Control Applications and Methods</i> , 35(4), 454–467.						
3. Aykent, B., Merienne, F., Paillot, D., & Kemeny, A. (2014). The role of motion platform on postural instability and head vibration exposure at driving simulators. <i>Human Movement Science</i> , 33, 354–368.						
4. Aykent, B., Merienne, F., Guillet, C., Paillot, D., & Kemeny, A. (2014). Motion sickness evaluation and comparison for a static driving simulator and a dynamic driving simulator. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> .						
5. Meywerk, M., Aykent, B., & Tomaske, W. (2009). <i>Einfluss der Fahrdynamikregelung auf die Sicherheit von N1-Fahrzeugen bei unterschiedlichen Beladungszuständen. Teil 1: Grundlagen, Unfallstatistik, Abstütz- und Simulationsversuche</i> . Bundesanstalt für Straßenwesen. <a href="http://bast.opus.hbz-nrw.de/volltexte/2012/354/">http://bast.opus.hbz-nrw.de/volltexte/2012/354/</a>						
6. Meywerk, M., Aykent, B., & Tomaske, W. (2009). <i>Einfluss der Fahrdynamikregelung auf die Sicherheit von N1-Fahrzeugen bei unterschiedlichen Beladungszuständen. Teil 2: Fahrversuche und Fahr Simulatorversuche</i> . FE 82.329/2007. Bundesanstalt für Straßenwesen. <a href="http://bast.opus.hbz-nrw.de/volltexte/2012/355/">http://bast.opus.hbz-nrw.de/volltexte/2012/355/</a>						

J. RESEARCH EXPERIENCE						
Proje Count	State Planning Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	AB Projeleri	Other Projects

<b>Principal Investigator</b>	-	-	-	-	-	-
<b>Researcher</b>	-	-	-	-	-	1

<b>K. PEER REVIEW ACTIVITIES</b>								
	SCI Journals	Other Journals		Symposium		R & D Projects		
		National	Intl.	National	Intl.	ARDEB	TEYDEB	Intl.
<b>Count</b>	4	-	-	-	-	-	-	7

<b>L. INTELLECTUAL PROPERTY</b>			
Patent	Utility Model	Industrial Design	Other
-	-	-	-

<b>M. PROFESSIONAL ASSOCIATION MEMBERSHIPS</b>
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<b>N. OTHER USEFUL INFORMATION (if any)</b>
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