


**IŞIK UNIVERSITY**  
**Mechanical Engineering Department**  
**Personnel Data**

A. PERSONAL		
Title	Assoc. Prof. Dr.	
Name	Erkin Dinçmen	
Birth Place and Year	Trabzon, 1978	
e-Mail / Personal Web Site	erkin.dincmen@isikun.edu.tr	
Specialization Area	Mechanical Engineering, System Dynamics and Control	
Foreign Language	English, German	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2011	Mechanical Engineering	Istanbul Technical University
Master of Science	2003	Mechanical Engineering	Istanbul Technical University
Bachelor of Science	2000	Mechanical Engineering	Istanbul Technical University
Associate			

C. ACADEMIC		
Title	Year	Institution
Associate Professor	2019	Işık University
Assistant Professor	2011	Işık University

D. PROFESSIONAL EXPERIENCE	
2011 –	Assist. Prof., Işık University, Mechanical Engineering Department
2006 – 11	Researcher, Istanbul Technical University, Mekar Lab.
2002 – 2003	Project Assistant, Arçelik A.Ş.

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	
2019-	Faculty Administrative Committee Member
2019-	Faculty Board Member

F. INDUSTRIAL EXPERIENCE		
Year	Company	Title
2002-2003	Arçelik A.Ş.	R&D Project Assistant

G. INSTRUCTED COURSES	
a. At Işık University	b. At the Other Institutions
Modeling and Control of Dynamic Systems	
Computational Methods in Engineering	
Vehicle Dynamics	
Electric and Hybrid Vehicle Technology	
Dynamics	
Introduction to Solid Mechanics	
Industrial Automation	
Modern Control Theory	
Automotive Mechatronics	
Introduction to Robotics	

H. INTERESTED FIELDS
Vehicle Dynamics and Control
Energy Management in Electric and Hybrid Vehicles
Optimization

I. NUMBER OF SUPERVISED THESIS	
Master of Science	3
Doctorate	1

J. PUBLICATIONS						
Type	SCI-Exp International Journal Papers	Other International Journal Papers	National Referred Journal Papers	International Symposium Papers	National Symposium Papers	Books / Chapters in Books (Translations Incl.)
Numbers	8	2		11		1
SCI-Exp Total Number of Citations			151			
Important Publications						
Dinçmen, E., 2024, Neural network steering control algorithm for autonomous ground vehicles having signal time delay. Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering, 238(4), 720-736.						
Dincmen, E., 2022, A Cooperative Neural Network Control Structure and its Application for Systems Having Dead-Zone Nonlinearities, Iranian Journal of Science and Technology, Transactions of Electrical Engineering, 46, 187–203						
Dincmen, E., 2019, A Source Seeking Algorithm with Application to a Quadcopter Model, <i>Optimization and Robotic Applications</i> , 1-26, Nova Science Publishers, ISBN: 978-1-53616-525-8.						
Dincmen, E., 2018, Extremum seeking dead-zone pre-compensator for an industrial control system, <i>Automatisierungstechnik</i> , 66(6), 471-482.						
Dincmen, E., Altinel, T., 2018, An emergency braking controller based on extremum seeking with experimental implementation, <i>International Journal of Dynamics and Control</i> . 6(1), 270-283.						

Dincmen, E., 2017, Design of a global extremum seeking algorithm for an omni-directional robot model, <i>Journal of Control Engineering and Applied Informatics</i> , vol. 19, no. 2, pp. 111-121.
Dincmen, E., 2017, Extremum seeking control of uncertain systems, <i>TWMS J. of Appl. and Eng. Math</i> , vol. 7, no. 1, pp. 131-141.
Dincmen, E., 2017, A Gain-Switched Self Optimizer for Braking Controller, <i>International Journal of Adaptive Control and Signal Processing</i> , vol. 31, no. 6, pp. 953-968
Dincmen, E., Guvenc, B. A., Acarman T., 2014, Extremum Seeking Control of ABS Braking in Road Vehicles with Lateral Force Improvement, <i>IEEE Transactions on Control Systems Technology</i> , vol. 22, no:1, pp. 230237.
Dincmen, E., Guvenc, B. A., 2012, A Control Strategy for Parallel Hybrid Electric Vehicles Based On Extremum Seeking, <i>Vehicle System Dynamics</i> , vol. 50, no. 2, pp. 199-227.

**K. RESEARCH EXPERIENCE**

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

**L. REFEREEING**

	SCI-Exp Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	53		4		12	1	10	

**M. INTELLECTUAL PROPERTIES**

Patents #	Utility Models #	Industrial Designs #	Other # (.....)

**N. PROFESSIONAL ASSOCIATION MEMBERSHIPS**

Turkish National Committee of Automatic Control
Turkish Chamber of Mechanical Engineers