


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

A. PERSONAL		
Title	Assistant Professor Dr.	
Name	Onur Keskin	
Birth Place / Year	Istanbul / 1977	
e-Mail / Personal Web Site	<a href="mailto:onur.keskin@isikun.edu.tr">onur.keskin@isikun.edu.tr</a>	
Working Field(s)	Adaptive Optics Systems, Optical Design, Signal Processing, Image Processing, Mechanical Design	
Foreign Language(s)	English, French	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2008	Mechanical Engineering	University of Victoria/Canada
Master of Science	2003	Mechanical Engineering	University of Victoria/Canada
Bachelor of Science	2000	Mechanical Engineering	Yildiz Technical University
Associate			

C. ACADEMIC		
Title	Year	Institution
Professor		
Associate Professor		
Assistant Professor	2012 - 2025	FMV Isik University
Lecturer		
Research Assistant		

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2025 -	Istanbul Technical University, Dept. of Mechanical Engineering
2012-2025	Isik University, Dept. of Mechanical Engineering
2008-2012	TUBITAK UEKAE Expert Researcher
b. Abroad	
2001 - 2008	Univ. of Victoria, Dept. of Mechanical Engineering, CANADA

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	
2016 - 2025	Director of FMV Isik Uni. Center for Opto-mechatronics Research and Application.

b. At Other Institutions/Companies	

F. INTERESTED SUBJECTS
Dr. Keskin's principal research interest focuses on opto-mechatronics, adaptive optics systems, deformable mirror technology, implementing adaptive optics test benches, and point spread function reconstruction through adaptive optics. He is the author of many articles in journals and proceedings in the domains of imaging through turbulence, adaptive optics, and opto-mechatronics devices.

G. INSTRUCTED COURSES	
a. At Işık University	b. At Other Institutions
MECT4411 Mechatronics System Design	MDK590E – Special Topics in System Dynamics and Control
MECT2211 Engineering Mechanics-I	MKM596E – Modelling & Control of Mechatronics Systems
MECT2222 Engineering Mechanics-II	
MECH2222 Dynamics	

H. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	
Doctorate	

I. PUBLICATIONS						
Type	SCI-Expanded 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	2	2	72	4	
SCI-Expanded Total Number of Citations				463		
Important Publications						
O. Keskin, AC Unal, G Kararsiz, T Yilmaz, C Yesilyaprak "Modelling and simulation studies on adaptive controller for alt-azimuth telescopes despite unknown wind disturbance and mass," Advances in Mechanical Engineering 12(9) (2020).						
O. Keskin, R. Conan, P. Hampton, C. Bradley, "Derivation and Experimental Evaluation of a Point Spread Function from a Dual Deformable Mirror Adaptive Optics System," Optical Engineering, Vol.47, No. 4, p. 046601, 2008.						
P. J. Hampton, R. Conan, O. Keskin, C. Bradley, P. Agathoklis, "Self-characterization of linear and nonlinear adaptive optics systems," Applied Optics, Vol. 47, Issue 2, pp. 126-134, 2007						
R. Conan, C. Bradley, P. Hampton, O. Keskin, A. Hilton, and C. Blain, "Distributed Modal Command for a Two Deformable Mirror Adaptive Optics System," Applied Optics, Vol. 46, Issue 20, pp. 4329-4340, 2007						
O. Keskin, L. Jolissaint, C. Bradley, "A Hot Air Turbulence Generator for Adaptive Optics: Applications, Principles, and SLODAR Characterization," Applied Optics, Vol.45, issue 20, pp. 4888-4897, 2006						

<b>J. RESEARCH EXPERIENCE</b>						
<b>Number of Projects</b>	<b>DPT Projects</b>	<b>TÜBİTAK Projects</b>	<b>SANTEZ Projects</b>	<b>BAP Projects</b>	<b>EU Projects</b>	<b>Other Projects</b>
<b>As Supervisor</b>	1	1	-	-	-	6
<b>As Researcher</b>	1	1	-	-	-	-

<b>K. REFERREING</b>								
<b>Type</b>	<b>SCI Journals</b>	<b>Other Journals</b>		<b>Symposiums</b>		<b>R &amp; D Projects</b>		
		<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>	<b>ARDEB</b>	<b>TEYDEB</b>	<b>International</b>
<b>Numbers</b>	-	-	-	-	-	4	12	-

<b>L. INTELLECTUAL PROPERTIES</b>			
<b>Patents</b>	<b>Utility Models</b>	<b>Industrial Designs</b>	<b>Other</b>
-	-	-	-

<b>M. PROFFESIONAL ASSOCIATION MEMBERSHIPS</b>

<b>N. OTHER USEFUL INFORMATION (if any)</b>