


IŞIK UNIVERSITY
Mechanical Engineering Department
Personnel Data Form

A. PERSONAL		
Title	Professor	
Name	Ahmet Aran	
Birth Place and Year	İstanbul 1946	
e-Mail / Personal Web Site	arana@isikun.edu.tr	
Working Field	Mechanical Engineering	
Foreign Language	English, German	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	1979	Materials Science	Istanbul Technical University
Master of Science	1970	Mechanical Eng.	Istanbul Technical University
Bachelor of Science	-	-	-
Associate	-	-	-

C. ACADEMIC		
Title	Year	Institution
Professor	1990	Istanbul Technical University
Associate Professor	1985	Istanbul Technical University
Assistant Professor	-	-
Lecturer	-	-
Research Assistant	-	-

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
2009 -	Department of Mechanical Engineering, Işık University.
1985 - 2009	Faculty of Mechanical Engineering, Istanbul Technical University.
1971 - 1984	Research Scientist, Materials Department, Marmara Research Institute
b. Abroad	
2000 - 2001	Visiting professor at St.Cloud State University- Minnesota -USA
1980	Visiting scientist in Mannesmann Research Institute –Germany
1973	Visiting scientist in MIT Cambridge-USA
1970 - 1971	Visiting assistant in TU Braunschweig Germany.

E. ADMINISTRATIVE EXPERIENCE	
a. In the University	
2012 -	Işık University, Dean of the Engineering Faculty
2009 - 2012	Işık University, Head of the Mechanical Engineering Department
b. In other Institutions	
2002 - 2009	ITU - Coordinator of the Manufacturing Engineering Program
2000 - 2001	ITU - Head of the Mechanical Engineering Department

F. INTERESTED SUBJECTS
Materials Science
Mechanical Behavior of Materials
Manufacturing Processes

G. INSTRUCTED COURSES	
a. At Işık University	b. At the Other Institutions
Materials Science	Materials Science
Manufacturing Processes	Manufacturing Processes
Mechanics of Materials	Fatigue
Measurement & Instrumentation	Composite Materials

H. NUMBER OF SUPERVISED GRADUATE THESIS	
Master of Science	20
Doctorate	2

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	12	5	4	9	15	4
SCI Total Number of Citations	40					
Important Publications						
1. A.Aran, "An Experimental Comparison of Different Methods to Determine the Strain Rate Sensitivity Index of Superplastic Materials", Scripta Met., 13 (1979) 843.						
2. A.Aran and M.Demirkol, "Effect of Heat Treatment on the Bauschinger Effect for a Carbon Steel", Mater.Sci.Eng. 47 (1981) 89.						
3. A.Aran and D.E.Gücer, "High Temperature Torsional Low- Cycle Fatigue of OFHC Copper", Z.Metallkde., 72 (1981) 476.						
4. A.Aran, "Effect of the Heat Treatment on the Stress-Strain Behaviour of Dual Phase Steels in Forward and Reverse Straining", Z.Metallkde., 73 (1982) 667.						
5. A.Aran, M.Demirkol and A.Karabulut, "Bauschinger Effect in Precipitation Strengthened 2024 Aluminium Alloy", Mater.Sci.Eng. 89 (1987) L35.						
6. A.Aran, "Optimization of the Strength and Intergranular Corrosion Properties of the 7075 Alloy by Retrogression and Reaging", Z.Metallkde. 80 (1989)						
7. A.Aran and H.Türker, "The Effect of Martensite Content on the Fatigue Behaviour of a Ferritic-Martensitic Steel", J.Mater.Sci.Let. 9 (1990) 1407.						
8. M.Demirkol and A.Aran, "Cyclic Stress-Strain Behaviour of 2024 Aluminium Alloy", Z.Metallkde. 81 (1990) 887.						
9. Ş.Yılmaz and A.Aran , "Finite Element Analysis of Deformation Behavior in Ductile Matrix Containing Hard Particles", Materials Science and Technology, 14 (1998) 1154.						
10. A.E.Payzın, A.Aran, "International Developments in Accreditation of Engineering Education and the Case for Turkey" Proc. of 2007 ASEE Global Colloquium on Engineering Education, 2007, Istanbul.						

J. RESEARCH EXPERIENCE						
Number of Projects	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
As Supervisor	-	-	-	-	-	5
As Researcher	-	-	-	-	-	5

K. REFERREING								
	SCI Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
Numbers	-	-	-	-	-	-	50	-

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

M. PROFFESIONAL ASSOCIATION MEMBERSHIPS
Turkish Chamber of Mechanical Engineers (MMO)
National Accreditation Board for Engineering Programs (MUDEK)