


**IŞIK UNIVERSITY**  
**Mechanical Engineering Department**

**Other Departments Academic Personnel Data Form**

A. PERSONAL		
Title	Associate Prof. Dr.	
Name	Ramazan KÖPRÜ	
Birth Place / Year	Çankırı / 1968	
e-Mail / Personal Web Site	<a href="mailto:ramazan.kopru@isikun.edu.tr">ramazan.kopru@isikun.edu.tr</a>	
Working Field(s)	Circuits and Systems, Microwave Theory, Embedded Systems, Power Electronics	
Foreign Language(s)	English	
Department	Electrical-Electronics Engineering	
Program	Mechatronics Engineering	

B. EDUCATION			
Degree	Year	Subject	Institution
Doctorate	2013	Electronics and Comm. Eng.	İstanbul Technical University
Master of Science	1994	Electronics and Comm. Eng.	İstanbul Technical University
Bachelor of Science	1991	Electronics and Comm. Eng.	Yıldız Technical University
Associate	-	-	-

C. ACADEMIC		
Title	Year	Institution
Professor	-	-
Associate Professor	2021	Işık Univ. - Electrical-Electronics Eng. Department
Assistant Professor	2014	Işık Univ. - Electrical-Electronics Eng. Department
Lecturer	-	-
Research Assistant	-	-

D. PROFESSIONAL EXPERIENCE	
a. Domestic	
Pavotek A.Ş.	Analog Design Team Lead - ASELSAN LIAS Project, 2006-2010
Erdemir T.A.Ş.	Electronics and Instrumentation Eng., 1995-1997
b. Abroad	

E. ADMINISTRATIVE EXPERIENCE	
a. At Işık University	
2025 -	Faculty Board Member

<b>b. At Other Institutions/Companies</b>	

<b>F. INTERESTED SUBJECTS</b>
Circuits and Systems, Electronics, Analog Circuits, Digital Circuits
Microwave Theory and Techniques
Embedded Systems, Power Electronics
Defence Electronics, Laser Signal Detection and Postprocessing

<b>G. INSTRUCTED COURSES</b>	
<b>a. Işık University (Own Department)</b>	<b>b. Mechatronics Engineering Program</b>
ELEC4102-High Voltage Techniques	ELEC1411 Logic Design
ELEC2202-Circuit Theory II (2014-Summer)	ELEC3305 Electronics
EE353-Signals and Systems (2016-Summer)	ELEC4403 Digital Electronics
EE404 – Energy Distribution Systems	ELEC4404 Microcontroller Based Sys. Design and Control

<b>H. NUMBER OF SUPERVISED GRADUATE THESIS</b>	
<b>Master of Science</b>	3
<b>Doctorate</b>	1

<b>I. PUBLICATIONS</b>						
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.)
<b>Numbers</b>	10	2	1	30	5	2
<b>SCI-Expanded Total Number of Citations</b>				287		
<b>Important Publications</b>						
1-Yarman, B. S., <b>Köprü, R.</b> , Kumar, N. and Prakash, C. (2014). “High Precision Synthesis of a Richards Immitance via Parametric Approach”. <i>IEEE Transactions on Circuits and Systems I, Regular Papers</i> , Vol. 61, No. 4, pp. 1055-1067, 2014.						
2- <b>Köprü, R.</b> , Kuntman, H. and Yarman, B. S. (2013). “Novel approach to design ultra wideband microwave amplifiers: normalized gain function method”. Vol. 22, No. 3, pp. 672-686, September 2013, <i>Radioengineering</i> .						
3-Nesimoğlu, T., Aydın, Ç., Atilla, D. Ç., <b>Köprü, R.</b> , and Yarman, B. S. (2013). “An Eclectic Approach to Design Tunable Amplifiers”. <i>RFMiCAE. International Journal of RF and Microwave Computer-Aided Engineering</i> , Vol. 23, issue 4, p.444-451, Wiley Periodicals Inc.						
4- <b>Kopru, R.</b> , Kılınç, S., Aydın, Ç., Atilla, D. Ç., Karakuş, C., Yarman, B. S. (2014). “Ultra Wideband Matching Network Design for a V-Shaped Square Planar Monopole Antenna”, <i>International Journal of Microwave and Wireless Technologies</i> , Cambridge Univ. Press, published online on august 13-2014, volume 6, issue 06, pp. 555-564.						
5- <b>Kopru, R.</b> , Kuntman, H., Yarman, B. S. (2014). "On Numerical Design Technique of Wideband Microwave Amplifiers Based on GaN Small-Signal Device Model", <i>Analog Integrated Circuits and Signal Processing, Springer</i> , Vol. 81, No. 1, pp. 71-87, published online on july 13, 2014.						

**6-R. Köprü**, “FSRFT: Fast Simplified Real Frequency Technique Via Selective Target Data Approach for Broadband Double Matching”, *IEEE Transactions on Circuits and Systems II, Express Briefs*, Vol. 64, No. 2, pp. 141-145, Feb. 2017.

7-Cagatay Aydın, Doğu Çağdaş Atilla, **Ramazan Köprü**, Sedat Kılınc, Cahit Karakuş, Siddık Yarman, “A Design Technique of 50 Ohm Terminated Bandpass Matching Network and Its Implementation to a Y-Shaped Monopole Antenna Matching”, *Analog Integrated Circuits and Signal Processing, Springer*, published online, June 2, 2016.

8-H.G. Momen, M. Yazgi, **R. Koprü** and A. Naderi, “Design of a New Low Loss Fully CMOS Tunable Floating Active Inductor”, *Analog Integrated Circuits and Signal Processing, Springer*, published online 27 June 2016, DOI: 10.1007/s10470-016-0784-3.

9-H.G. Momen, M. Yazgi, **R. Koprü**, “Low-loss active inductor with independently adjustable self-resonance frequency and quality factor parameters”, *Integration, the VLSI Journal, Elsevier*, accepted on 30 Dec. 2016 and in-press, DOI: 10.1016/j.vlsi.2016.12.014.

10-H.G. Momen, M. Yazgi, **R. Koprü**, A. Naderi Saatlo. “An accurate CMOS interface small capacitance variation sensing circuit for capacitive sensor applications”, *Circuits, Systems and Signal Processing (CSSP)*, published online 8 Sep. 2017. DOI 10.1007/s00034-017-0657-8.

11-Binboga Siddik YARMAN, Ahmet AKSEN, **Ramazan KOPRU**, Narendra KUMAR, Cagatay AYDIN, Dogu Cagdas ATILLA, Prakash CHACKO, “Computer Aided Darlington Synthesis of an All Purpose Immittance Function”, *IU-JEEE Istanbul University Journal of Electrical and Electronics Engineering (Electrica, ISSN: 2619-9831)*, Vol. 16, No. 1, pp. 2027-2037, 2016.

**12-Ramazan Koprü**, “FSRFT Based Broadband Double Matching via Passband Extremums Determination”, *BAJECE Balkan Journal of Electrical and Computer Engineering*, Vol. 6, No. 3, July 2018, pp. 165-171, DOI: 10.17694/bajece.421266.

**13-Ramazan Koprü**, “Termination Transformation Theorem for Microwave Power Transfer Networks”, *Journal of Circuits, Systems and Computers*, World Scientific Publishing Company, published online on June 3, 2019, pp. 1-20, vol. 29, issue. 3 (2020), doi: 10.1142/S0218126620500437, <https://doi.org/10.1142/S0218126620500437>

**J. RESEARCH EXPERIENCE**

	DPT Projects	TÜBİTAK Projects	SANTEZ Projects	BAP Projects	EU Projects	Other Projects
<b>Number of Projects</b>						
<b>As Supervisor</b>		1		2		1
<b>As Researcher</b>		1		1		1

**K. REFERREING**

Type	SCI Journals	Other Journals		Symposiums		R & D Projects		
		National	International	National	International	ARDEB	TEYDEB	International
<b>Numbers</b>	78	14	2	10	8	1	1	2

**L. INTELLECTUAL PROPERTIES**

Patents	Utility Models	Industrial Designs	Other
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**M. PROFESSIONAL ASSOCIATION MEMBERSHIPS**

IEEE, Institute of Electrical and Electronics Engineers, Member 2016
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**N. OTHER USEFUL INFORMATION (if any)**

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