



Assoc. Prof. Dr. Levent PARALI

EDUCATION

Degree	University	Department	Year
B.Sc.	Gazi University	Faculty of Technical Education Departments of Electrical and Electronics.	1989
M.Sc.	Celal Bayar University	Institute of Natural and Applied Science.	2008
Ph.D.	Celal Bayar University	Institute of Natural and Applied Science.	2011
Assoc. Prof. Dr.	Inter-University Council	Electrical and Electronics Engineering.	2018

CONTACT INFORMATION

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PROFESSIONAL EXPERIENCE








Workplace	Position	Years
Vestel Home Appliances-MANISA	Laboratory Head (MWO,WM,DW)	1991-1995
Polinas Plastic Corporation-MANISA	Electrical-Electronics Calibration Resp.	1995-1997
Vestel Electronics Corporation-MANISA	Electronics Service Engineer	1997-2003
Vestel Electronics Corporation-MANISA	Electronic Service Education Chief	2003-2004
Celal Bayar University-Turgutlu-MANISA	Lecturer in Electronics T.- Contractual	2004-2006
Celal Bayar University-Turgutlu-MANISA	Lecturer in Electronics Technology	2006-2011
Celal Bayar University-Turgutlu-MANISA	Lect. Dr. in Electronics Technology	2011-2013
Celal Bayar University-Turgutlu-MANISA	Assist. Prof. Dr. Electronics and Automation Dept.	2013-2018
Celal Bayar University-Turgutlu-MANISA	Assoc. Prof. Dr. Electronics and Automation Dept.	2018-

MANAGEMENT EXPERIENCE






Workplace	Position	Years
Celal Bayar University-TVS	Head of Electronics-Automation Dep.	2013 - Currently
Celal Bayar University-TVS	Board Member	2015 - Currently
Celal Bayar University-TVS	Erasmus Coordinator	2019 - Currently


COMPLETED THESIS	
M.Sc.	Computer Controlled Real Time Temperature Measurement System - Physics - 2008
Ph.D.	Optical and Electrical Properties Investigations of Smoky Quartz, Blue Chalcedony and Agate From Turkey - Physics - 2011
RESEARCH INTERESTS	
<ul style="list-style-type: none"> • Digital Electronics and Design, PLC Automation Systems, Metrology and Calibration. • Fabrication of the Piezoelectric Sensor, Electronics and Vibration Measurements • Digital Measurement System based on Laser Doppler Vibrometer. • Semiconductor and Polymer Materials based on Nano and Micro. • Nano based Piezoelectric Sensor and Tissue Fabrications based on 1D, 2D, and 3D using Electrospinning, Electropray, and Electro-writing Methods. 	
English Language Level	English – 71.25

ORIGINAL PUBLICATIONS	
Articles Published in International Refereed Journals – SCI / SCI-E	
1	L.Parali  , J. Garcia Guinea, R. Kibar, A. Cetin, N. Can, <i>Luminescence behaviour and Raman characterization of dendritic agate in the Dereyalak village (Eskisehir), Turkey</i> , Journal of Luminescence , 131 (11) (2011) 2317–2324 (Impact Factor: 3.280 – SCI- Citing: 15) http://dx.doi.org/10.1016/j.jlumin.2011.05.057
2	İsrafil Şabikoğlu, Levent Parali  , <i>FTIR and VSM Properties of Samarium Doped Nickel Ferrite</i> , Functional Materials Letters , 07 (04) (2014) 1450046 - 5 Pages (ImpactFactor: 2.00-SCI-E-Citing: 4) http://dx.doi.org/10.1142/S1793604714500465
3	Levent Parali  , İsrafil Şabikoğlu, Mirza A.Kurbanov, <i>Piezoelectric Properties of the New Generation Active Matrix Hybrid (Micro-Nano) Composites</i> , Applied Surface Science , 318 (2014) 6-9 (ImpactFactor: 6.182 –SCI-Citing:5) http://dx.doi.org/10.1016/j.apsusc.2013.10.043
4	Levent Parali  , İsrafil Şabikoğlu, Jiri Tucek, Jiri Pechousek, Petr Novak, Jakub Navarik, <i>Dielectric Behaviors at Microwave Frequencies and Mössbauer Effects of Chalcedony, Agate, Zultanite</i> , Chinese Physics B , 24 (5) (2015) 059101 (Impact Factor: 1.223–SCI-Citing:4) http://dx.doi.org/10.1088/1674-1056/24/5/059101
5	İsrafil Şabikoğlu, Levent Parali  , Ondrej Malina, Petr Novak, Josef Kaslik, Jiri Tucek, Jiri Pechousek, Jakup Navarik, and Oldrich Schneeweiss, <i>The Effect of Neodymium Substitution on the Structural and Magnetic Properties of Nickel Ferrite</i> , Progress in Natural Science: Materials International , 25 (3) (2015) 215-221 (ImpactFactor: 4.00 –SCI-E Citing: 26) http://dx.doi.org/10.1016/j.pnsc.2015.06.002
6	Levent Parali  , <i>The electret effects of crystallized polymer-ferropiezoelectric composite under electric discharge plasma</i> , Journal of Electrostatics , 76 (2015) 89-94 (Impact Factor: 1.556 –SCI-E- Citing: 5) http://dx.doi.org/10.1016/j.elstat.2015.05.012
7	Levent Parali  , Mirza A. Kurbanov, Azad A. Bayramov, Farida N. Tatardar, Ramazanova I. Sultanakhmedova, Hüseynova Gulnara Xanlar, <i>Effects of Electric Discharge Plasma Treatment on the Thermal Conductivity of Polymer-Metal Nitride/Carbide Composites</i> , Journal of Electronic Materials , 44 (11) (2015) 4322-4333 (Impact Factor: 1.798-SCI-Citing: 4) http://dx.doi.org/10.1007/s11664-015-4010-3

8	Levent Paralı  , Jiri Pechousek, İbrahim Şabikoğlu, Petr Novak, Jakup Navarik, Milan Vujtek, <i>A digital measurement system based on laser displacement sensor for piezoelectric ceramic discs vibration characterization</i> , Optik-International for Light and Electron Optics , 127 (1) (2016) 84-89 (Impact Factor: 2.187 -SCI Citing: 12) DOI: http://dx.doi.org/10.1016/j.ijleo.2015.10.099
9	Havar A. Mamedov, Levent Paralı  , Mirza A. Kurbanov, Azad A. Bayramov, Farida N. Tatardar, İbrahim Şabikoğlu, <i>Piezoresistive and Posistor Effects in Polymer-Semiconductor and Polymer-Ferropiezoceramic Composite</i> , Semiconductors , 50 (5) (2016) 621-626 (Impact Factor: 0.739 -SCI Citing: 3) DOI: http://dx.doi.org/10.1134/S1063782616050171
10	Leo Schlattauer, Levent Paralı  , Jiri Pechousek, İbrahim Sabikoglu, Cuneyt Celiktas, Gozde Tektas, Petr Novak, Ales Jancar, Vit Prochazka, <i>Calibration of gamma-ray detectors using Gaussian photopeak fitting in the multichannel spectra with LabVIEW-based digital system</i> , European Journal of Physics , 38 (2017) 055806 (12pp) (Impact Factor: 0.756 -SCI-E Citing: 5) DOI: http://dx.doi.org/10.1088/1361-6404/aa7a7a
11	Levent Paralı  , Ali Sarı, Ulaş Kılıç, Özge Şahin, Jiri Pechousek, <i>The artificial neural network modelling of the piezoelectric actuator vibrations using laser displacement sensor</i> , Journal of Electrical Engineering , 68 (5) (2017) 371-377 (Impact Factor: 0.508 -SCI-E Citing: 5) DOI: http://dx.doi.org/10.1515/jee-2017-0069
12	Levent Paralı  , Ali Sarı, Levent Malgaca, Jiri Pechousek, Frantisek Latal, <i>Estimating elasticity modulus of the piezo ceramic disc (PCD) using basic mathematical modelling</i> , Optik-International for Light and Electron Optics , 173 (11) (2018) 146-156 (Impact Factor: 2.187 -SCI Alıntı: 1) https://doi.org/10.1016/j.ijleo.2018.07.141
13	Muhterem Koç, Levent Paralı  , Osman Şan, <i>Fabrication and vibrational energy harvesting characterization of flexible piezoelectric nanogenerator (PEN) based on PVDF/PZT</i> , Polymer Testing , 91 (2020) 106695 (Impact Factor: 3.275 -SCI Alıntı: 1) https://doi.org/10.1016/j.polymertesting.2020.106695
14	Merve Zeyrek Ongun, Levent Paralı  , Sibel Oğuzlar, Jiri Pechousek, <i>Characterization of β-PVDF based nanogenerators along with Fe_2O_3 NPs for piezoelectric energy harvesting</i> , Journal of Materials Science: Materials in Electronics , September 2020 (Impact Factor: 2.22 -SCI Alıntı: 0) https://doi.org/10.1007/s10854-020-04451-y

SCI – SCIE Articles	14	Citing SCI Articles	90
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AWARDS AND SCHOLARSHIPS			
	Date	Articles	
1	2012	Publication Incentive Award, TUBITAK – 1 time	
2	2014	Publication Incentive Award, TUBITAK – 2 times	 
3	2015	Publication Incentive Award, TUBITAK – 1 time	
4	2020	TUBITAK-2242 University Students Research Project Competitions Ziya Yıldız-Konya Region Winner . (26.08.2020) Project Name: Multifunctional Production Platform for Scaffolding Tissues with Hybrid (Micro-Nano) Structures . (Project Advisor Award: Assoc. Prof. Dr. Levent PARALI)	

5	2020	TUBITAK-2242 University Students Research Project Competitions  Ziya Yıldız-Turkey Winner (10.09.2020) Project Name: Multifunctional Production Platform for Scaffolding Tissues with Hybrid (Micro-Nano) Structures. (Project Advisor Award: Assoc. Prof. Dr. Levent PARALI)
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Articles Published in Other International Refereed Journals-ULAKBIM

1	Levent PARALI , Faruk Durmaz, Jiri Pechousek, Obtaining High-Resolution Spectroscopy by Digital Signal Processing System and Its Calibration (in Turkish), CBU Journal of Science, ISSN 1305-1385, 10 (2) (2014) 94-104. (DOAJ, OAJI) http://dx.doi.org/10.18466/cbufbe.06303
2	Levent PARALI , Özge ŞAHİN, Ali SARI, Jiri PECHOUSEK, Determining Resonance and Antiresonance Frequencies of Piezoelectric Actuator by Digital Measurement System Based on Laser (in Turkish), MCBU Journal of Science, ISSN: 1305-1385 13 (2) (2017) 523-528 (DOAJ, OAJI) http://dx.doi.org/10.18466/cbayarfbe.319957
3	Levent PARALI , İsrail ŞABİKOĞLU, The Fabrication of Local Piezoelectric Sensors Using Hydraulic Pressing System Based on PLC (in English), MCBU Journal of Science, ISSN: 1305-1385 (3) (2017) 13 (3) (2017) 651-655, Alıntı:1 (DOAJ, OAJI) http://dx.doi.org/10.18466/cbayarfbe.339322
4	Levent PARALI , Faruk DURMAZ, Olcay AYDIN, Calibration of a Platinum Resistance Thermometer (Pt-100) and Its Measurement Uncertainty Analysis, (in English), MCBU Journal of Science, ISSN: 1305-1385, 14 (1) (2018) 41-49 Citing:4 (DOAJ, OAJI) http://dx.doi.org/10.18466/cbayarfbe.334988

International-National Conference Proceedings

1	Mehmet TAŞTAN, Süleyman UYKAN, Levent PARALI , " PIC Microcontroller Based Automation and Scada Application of Auto Painting and Drying System", UCTEA The Chamber of Electrical Engineers, 3rd Automation Symposium , Proceedings Book pp.114-118 http://otomasyon2005.emo.org.tr/etkinlik_bildiriler.php?etkinlikkod=4 , November 11-12, 2005, Denizli, Turkey. (Oral Presentation)
2	Levent PARALI , Computer Aided Real Time Measurement System and Calibration; 2 nd Luminesans Dozimetry National Meeting (Lumidoz 2), August, 21-23, 2008, Celal Bayar University Manisa. (Oral Presentation)
3	Levent PARALI , Sezai TAŞKIN, Murat Ahmet PİNAR, Visual Based Measurement System with FPGA Hardware, 5th International Advanced Technologies Symposium , 13-15 May, 2009, Karabük-Turkey. (Poster Presentation)
4	Bekir Sadık ÜNLÜ, Levent PARALI , Ahmet Murat PİNAR, Pin Disc, Pin Plate, Pin-Ring Journal-Bearing Wear Test Rig Designed and Manufacturing, 5th International Advanced Technologies Symposium , 13-15 May, 2009, Karabük-Turkey. (Oral Presentation)
5	Ahmet Murat PİNAR, Abdulkadir GÜLLÜ, Levent PARALI , A. Faruk PİNAR, Modelling of Positioning Accuracy of Hydraulic Driven Curvilinear Motions, 5th International Advanced Technologies Symposium , 13-15 May, 2009, Karabük-Turkey. (Oral Present.)
6	Pavel Kohout, Lukas Kouril, Jakub Navarik, Petr Novak, Jiri Pechousek, Levent Parali , Linearity of The Mössbauer Spectrum Velocity Scale Evaluation Utilizing Laser Vibrometer, The International Conference on the Applications of the Mössbauer Effect ICEMA-2015 , Abstract Book, 13 th to 18 th September 2015, Hamburg . (Poster Presentation)

7	Levent PARALI , Ali SARI, Vibration Modelling of Piezoelectric Actuator (PEA) using Simulink Software, 2017 4th International Conference on Electrical and Electronics Engineering (ICEEE 2017) , (Citing:1) April 8-10, 2017, Ankara, Turkey. DOI: http://dx.doi.org/10.1109/ICEEE2.2017.7935811 (Oral Presentation)
8	Ali SARI, Levent PARALI , Jiri PECHOUSEK, Determining Energy Dissipation Characteristic of a Piezoelectric Actuator using Digital Measurement System, 2nd International Energy and Engineering Conference 2017 , 12-13 October, 2017, Gaziantep-Turkey. (Oral Presentation)
9	Merve Zeyrek ONGUN, Levent PARALI , Sibel OĞUZLAR, Serdar YILDIRIM, Fabrication and Characterization of High Sensitive Flexible β -PVDF Based Piezoelectric Nanogenerator, 1st International Balkan Chemistry Congress (IBCC2018) in Edirne-Turkey, 17-20 September, 2018, Edirne (Oral Presentation)
10	Levent PARALI , Muhterem KOÇ, Ali SARI, Comparative evaluation of PVDF based piezoelectric nanogenerator (PNG) under various resistive loads for energy harvesting applications; The 6th International Conference on Electrical Engineering – ICEE'2020 ; September 25 th to 27 th , 2020, Istanbul Turkey. (Online Presentation)

Article Published in National Refereed Journals-Others

1	Levent PARALI , Plasma Technology (in Turkish), Journal of 3e Electrotech Energy-Electrics-Electronics Technologies, September-2004.
2	Levent PARALI , Microwave Technology ve Microwave Ovens (in Turkish), Journal of 3e Electrotech Energy- Electrics-Electronics Technologies, March-2005.
3	Levent PARALI , Camera Security Systems and Technological Improvements (in Turkish), Journal of 3e Electrotech Energy-Electrics-Electronics Technologies, December-2005.
4	Levent PARALI , DVD Technology, DVD Player and Recorder (in Turkish), Journal of 3e Electrotech Energy-Electrics-Electronics Technologies, March-2006.
5	Levent PARALI , Nanotechnology Overview and Nanoelectronics Structures (in Turkish), Journal of 3e Electrotech Energy-Electrics-Electronics Technologies, January-2007.
6	Levent PARALI , Structures of Microelectronic Transistors, Applications and Obstacles Reductions of Nano Dimensional (in Turkish), Journal of 3e Electrotech Energy-Electrics-Electronics Technologies, August-2007.
7	Levent PARALI , Programmable Real Time Distance Access Laboratories and Devices (in Turkish), Journal of 3e Electrotech Energy-Electrics-Electronics Technologies, May-2008.

Given National Seminars

1	Levent PARALI , Digital Electronics-Plasma-TFT/LCD Televisions, Aksaray M.E.B, December 2003.
2	Levent PARALI , Metrology and Calibration, Elginkan, Center of Technical Education - Manisa, November 2007.
3	Levent PARALI , Metrology and Calibration, Elginkan, Center of Technical Education - Manisa, February 2008.
4	Levent PARALI , Computer Controlled Real Time Measurement Systems and Calibration, Celal Bayar University-Physics Department-Manisa, August 2008.
5	Levent PARALI , Metrology and Calibration, Celal Bayar University-Turgutlu Vocational School, Manisa, May 2010.
6	Levent PARALI , Metrology and Calibration, Celal Bayar University-Physics Department, Manisa, May 2011.

7	Levent PARALI , Metrology and Calibration, Elginkan, Center of Technical Education - Manisa, May 2013
8	Levent PARALI , Three Dimensional Layered Manufacturing Technology and Electronic Prototyping, Turkish Quarries-Manisa, February-2018.

ERASMUS + EU Programme for Education, Training, Youth, and Sport



ERASMUS – KA103- Higher Education student and staff mobility
Celal Bayar University-Turkey - Levent Parali, Palacky University Olomouc- Czech Republic- Jiri Pechousek , Years: 2014-2020.









ERASMUS – KA107- Mobility of student and staff with partner countries
Celal Bayar University-Turkey - Levent Parali, Azerbaijan Technical University - Mirza Abdul Kurbanov , Years: 2014-2020.

Books and Chapters in Books (in Turkish)

1	Levent Parali , Book Name: Digital Electronics, Chapter: Memory, Year: 2007, Lisans Publishing ISBN: 978-9944-274-17-3 🟢
2	Levent Parali , Book Name: Microprocessor-Microcontroller-1, 🟢 Chapter: Number Systems, Year: 2008, Lisans Publishing ISBN: 9978-9944-274-22-7




International Scientific Workshops

1	Azerbaijan National Academy of Sciences, 1 st . Workshop, “ Multi functional photo-piezoelectric sensor’s production and electronic measurements ” December 1-4, 2012, Baku, Azerbaijan.
2	Azerbaijan National Academy of Sciences, 2 nd . Workshop, “ Polymer based hybrid piezo sensor’s production ” , May, 8-12, 2013, Baku, Azerbaijan.
3	Palacky University-Regional Centre of Advanced Technologies and Materials Faculty of Science, 1 st . Workshop, “ Calibration and Traceability of Scintillation Detectors using Gamma Ray Digital Measurement System ”, September 7-14, 2013, Olomouc, Czech Republic.
4	Celal Bayar University-Electronics and Automation Department, 2 nd Workshop (With Czech Republic), “ Computer based Electronic Measurements of Piezoelectric Sensor ”, December, 8-14 2013, Turgutlu-Manisa, Turkey.
5	Celal Bayar University-Electronics and Automation Department, 3 rd Workshop (With Czech Republic), “ Defining of resonance/antiresonance frequencies on Piezoelectric Sensor ”, December, 7-11 2015, Turgutlu-Manisa, Turkey.
6	Palacky University-Regional Centre of Advanced Technologies and Materials Faculty of Science, 4 th . Workshop, “ Energy Harvesting Systems ”, May 9-13, 2016, Olomouc, Czech Republic.

RESEARCH PROJECTS				
Project Number	Foundation		Subject	Duty
1	2007-087	SRC 	Computer Controlled Real Time Temperature Data Acquisition System - Completed	Investigator
2	2008-064	SRC 	Computer Controlled Real Time Measurement And Control Systems - Completed	Investigator
3	2008-123	SRC 	Establishment of OSL System, Calibration and Acquisition of Sample Spectra.	Investigator
4	2012-014	SRC 	Obtaining High-Resolution Radiation Spectroscopy by digital signal processing system - Completed	Director
5	2015-127	SRC 	Piezoelectric Sensors Vibration Characterization by a Digital Measurement System Based on Laser - Completed	Director
6	2015-016	SRC 	The Design, Fabrication and Characterization of Piezoelectric Sensors - Completed	Director
7	2020	TUBITAK-2242	Multifunctional Production Platform for Scaffolding Textures with Hybrid (Micro-Nano) Structures.	Advisor

*SRC: Scientific Research Council of Manisa Celal Bayar University.

**TUBITAK: The Scientific and Technological Research Council of Turkey.

PATENT APPLICATIONS				
Number			Topic	
1	2016/02813		Piezoelectric Sensor Production System with Programmable Logic Controller and Method-Protected	
2	2016/09191		A Digital Measurement System based on Laser Displacement Sensor for Piezoelectric Ceramic Discs Vibration Characterization and Method- Unprotected	
3	2020/13984		Multifunctional Production Platform and Method for Scaffolding Textures with Hybrid (Micro-Nano) Structures Protected.	

MENTORING ACTIVITIES			
	Master Students		Years
1	<i>Design of a Small-scale Piezoelectric Sensor Production System by using Programmable Logic Controller (PLC), Hussein Sayid Omar Hamza, Eylul University, Electrical and Electronic Engineering. Completed</i>	Dokuz	2016

JURY ACTIVITIES		
	Institute	Year
1	EGE University – Institute of Natural and Applied Sciences-Izmir Ansoumana Noumou DJITE- Obtaining Dynamic Circuit Model of Solar Cell- PhD Thesis Defense Exam.	2020
2	EGE University - Institute of Natural and Applied Sciences- Izmir Mücahit CANDAN- PhD Proficiency Exam.	2020

EDITED JOURNALS		
	Name of Journal	Years
1	Celal Bayar University Journal of Science-ISSN: 1305-1385 - ULAKBIM	2015-2019

GIVEN COURSES		
	Course Name	Credits
1	Digital Electronics	
2	Digital Design	
3	Microprocessor – Microcontroller	
4	Programmable Logic Controller	
5	Fundamentals of Electronics	
6	Sensors-Actuators and Transducers	

Update	in October, 2020
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