



## 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 Science.	2008
Ph.D.	Celal Bayar University	Institute of Science.	2011
Assoc. Prof. Dr.	Interuniversity 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	Head of Electronics-Automation Department	2013 - Currently
Celal Bayar University	Board Member	2015 - Currently

## COMPLETED THESIS

M.Sc.	Computer Controlled Real Time Temperature Measurement System – 2008- Solid State Physics – (Prof.Dr. Nurdoğan CAN).
Ph.D.	Optical and Electrical Properties Investigations of Smoky Quartz, Blue Chalcedony and Agate From Turkey – 2011- Solid State Physics (Prof.Dr. Nurdoğan CAN).

## RESEARCH INTERESTS

- 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.
- Nano and Micro Based Smart Materials.

## English Language Level

66.25/100 – Year: 2010 UDS Exam.

## ORIGINAL PUBLICATIONS

### Articles Published in International Refereed Journals – SCI / SCI-E

1	<b>L.Paralı</b>  , 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> , <b>Journal of Luminescence</b> , 131 (11) (2011) 2317–2324 (Impact Factor: <b>2.732 – SCI- Citing: 14</b> ) <a href="http://dx.doi.org/10.1016/j.jlumin.2011.05.057">http://dx.doi.org/10.1016/j.jlumin.2011.05.057</a>
2	İsrafil Şabikoğlu, <b>Levent Paralı</b>  , <i>FTIR and VSM Properties of Samarium Doped Nickel Ferrite</i> , <b>Functional Materials Letters</b> , 07 (04) (2014) 1450046 - 5 Pages (ImpactFactor: <b>1.622-SCIE- Citing: 4</b> ) <a href="http://dx.doi.org/10.1142/S1793604714500465">http://dx.doi.org/10.1142/S1793604714500465</a>
3	<b>Levent Paralı</b>  , İsrafil Şabikoğlu, Mirza A.Kurbanov, <i>Piezoelectric Properties of the New Generation Active Matrix Hybrid (Micro-Nano) Composites</i> , <b>Applied Surface Science</b> , 318 (2014) 6-9 (ImpactFactor: <b>4.439 –SCI-Citing:3</b> ) <a href="http://dx.doi.org/10.1016/j.apsusc.2013.10.043">http://dx.doi.org/10.1016/j.apsusc.2013.10.043</a>
4	<b>Levent Paralı</b>  , İsrafil Şabikoğlu, Jiri Tucek, Jiri Pechousek, Petr Novak, Jakub Navarik, <i>Dielectric Behaviors at Microwave Frequencies and Mössbauer Effects of Chalcedony, Agate, Zultanite</i> , <b>Chinese Physics B</b> , 24 (5) (2015) 059101 (Impact Factor: <b>1.60–SCI-Citing:3</b> ) <a href="http://dx.doi.org/10.1088/1674-1056/24/5/059101">http://dx.doi.org/10.1088/1674-1056/24/5/059101</a>
5	İsrafil Şabikoğlu, <b>Levent Paralı</b>  , Ondrej Malina, Petr Novak, Josef Kaslik, Jiri Tucek, Jiri Pechousek, Jakub Navarik, and Oldrich Schneeweiss, <i>The Effect of Neodymium Substitution on the Structural and Magnetic Properties of Nickel Ferrite</i> , <b>Progress in Natural Science: Materials International</b> , 25 (3) (2015) 215-221 (ImpactFactor: <b>2.572 –SCIE Citing: 10</b> ) <a href="http://dx.doi.org/10.1016/j.pnsc.2015.06.002">http://dx.doi.org/10.1016/j.pnsc.2015.06.002</a>
6	<b>Levent Paralı</b>  , <i>The electret effects of crystallized polymer-ferropiezoelectric composite under electric discharge plasma</i> , <b>Journal of Electrostatics</b> , 76 (2015) 89-94 (Impact Factor: <b>1.398 –SCIE- Citing: 2</b> ) <a href="http://dx.doi.org/10.1016/j.elstat.2015.05.012">http://dx.doi.org/10.1016/j.elstat.2015.05.012</a>
7	<b>Levent Paralı</b>  , Mirza A. Kurbanov, Azad A. Bayramov, Farida N. Tatardar, Ramzanova I. Sultanakhmedova, Hüseynova Gulnara Xanlar, <i>Effects of Electric</i>

	<i>Discharge Plasma Treatment on the Thermal Conductivity of Polymer-Metal Nitride/Carbide Composites</i> , <b>Journal of Electronic Materials</b> , 44 (11) (2015) 4322-4333 (Impact Factor: <b>1.798-SCI- Citing: 4</b> ) <a href="http://dx.doi.org/10.1007/s11664-015-4010-3">http://dx.doi.org/10.1007/s11664-015-4010-3</a>
8	<b>Levent Paralı</b>  , Jiri Pechousek, İsrafil Şabikoğlu, Petr Novak, Jakup Navarik, Milan Vujtek, <i>A digital measurement system based on laser displacement sensor for piezoelectric ceramic discs vibration characterization</i> , <b>Optik-International for Light and Electron Optics</b> , 127 (1) (2016) 84-89 (Impact Factor: <b>1.191 -SCI Citing: 8</b> ) DOI: <a href="http://dx.doi.org/10.1016/j.ijleo.2015.10.099">http://dx.doi.org/10.1016/j.ijleo.2015.10.099</a>
9	Havar A. Mamedov, <b>Levent Paralı</b>  , Mirza A. Kurbanov, Azad A.Bayramov, Farida N. Tatardar, İsrafil Şabikoğlu, <i>Piezoresistive and Posistor Effects in Polymer-Semiconductor and Polymer-Ferropiezoceramic Composite</i> , <b>Semiconductors</b> , 50 (5) (2016) 621-626 (Impact Factor: <b>0.739-SCI Citing: 1</b> ) DOI: <a href="http://dx.doi.org/10.1134/S1063782616050171">http://dx.doi.org/10.1134/S1063782616050171</a>
10	Leo Schlattauer, <b>Levent Paralı</b>  , Jiri Pechousek, İsrafil Sabikoglu, Cuneyt Celiktas, Gozde Tektas, Petr Novak, Ales Jancar, Vit Prochazka, <i>Calibration of gamma-ray detectors using Gaussian photpeak fitting in the multichannel spectra with LabVIEW-based digital system</i> , <b>European Journal of Physics</b> , 38 (2017) 055806 (12pp) (Impact Factor: <b>0.642-SCI-E Citing: 2</b> ) DOI: <a href="http://dx.doi.org/10.1088/1361-6404/aa7a7a">http://dx.doi.org/10.1088/1361-6404/aa7a7a</a>
11	<b>Levent Paralı</b>  , Ali Sarı, Ulaş Kılıç, Özge Şahin, Jiri Pechousek, <i>The artificial neural network modelling of the piezoelectric actuator vibrations using laser displacement sensor</i> , <b>Journal of Electrical Engineering</b> , 68 (5) (2017) 371-377 (Impact Factor: <b>0.508-SCI-E Citing: 2</b> ) DOI: <a href="http://dx.doi.org/10.1515/jee-2017-0069">http://dx.doi.org/10.1515/jee-2017-0069</a>
12	<b>Levent Paralı</b>  , Ali Sarı, Levent Malgaca, Jiri Pechousek, Frantisek Latal, <i>Estimating elasticity modulus of the piezo ceramic disc (PCD) using basic mathematical modelling</i> , <b>Optik-International for Light and Electron Optics</b> , 173 (11) (2018) 146-156 (Impact Factor: <b>1.191-SCI</b> ) <a href="http://dx.doi.org/10.1016/j.ijleo.2018.07.141">http://dx.doi.org/10.1016/j.ijleo.2018.07.141</a>





SCI – SCIE Articles

12

Citing SCI Articles

53

#### 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 

#### REFREE ACTIVITIES

Journal	International	8	Congress, Symposium	International	-
	National	1		National	-

#### Articles Published in Other International Refereed Journals-ULAKBIM

1	<b>Levent PARALI</b> , 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) <a href="http://dx.doi.org/10.18466/cbufbe.06303">http://dx.doi.org/10.18466/cbufbe.06303</a>
2	<b>Levent PARALI</b> , 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) <a href="http://dx.doi.org/10.18466/cbayarfbbe.319957">http://dx.doi.org/10.18466/cbayarfbbe.319957</a>
3	<b>Levent PARALI</b> , İbrahim 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 (DOAJ, OAJI) <a href="http://dx.doi.org/10.18466/cbayarfbbe.339322">http://dx.doi.org/10.18466/cbayarfbbe.339322</a>
4	<b>Levent PARALI</b> , 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 (DOAJ, OAJI) <a href="http://dx.doi.org/10.18466/cbayarfbbe.334988">http://dx.doi.org/10.18466/cbayarfbbe.334988</a>

#### International-National Conference Proceedings

1	Mehmet TAŞTAN, Süleyman UYKAN, <b>Levent PARALI</b> , " PIC Microcontroller Based Automation and Scada Application of Auto Painting and Drying System", <b>UCTEA The Chamber of Electrical Engineers, 3<sup>rd</sup> Automation Symposium</b> , Proceedings Book pp.114-118 <a href="http://otomasyon2005.emo.org.tr/etkinlik_bildiriler.php?etkinlikkod=4">http://otomasyon2005.emo.org.tr/etkinlik_bildiriler.php?etkinlikkod=4</a> , November 11-12, 2005, Denizli, Turkey. (Oral Presentation)
2	<b>Levent PARALI</b> , Computer Aided Real Time Measurement System and Calibration; 2 <sup>nd</sup> <b>Luminesans Dozimetry National Meeting</b> (Lumidoz 2), August, 21-23, 2008, Celal Bayar University Manisa. (Oral Presentation)
3	<b>Levent PARALI</b> , Sezai TAŞKIN, Murat Ahmet PİNAR, Visual Based Measurement System with FPGA Hardware, <b>5<sup>th</sup> International Advanced Technologies Symposium</b> , 13-15 May, 2009, Karabük-Turkey. (Poster Presentation)
4	Bekir Sadık ÜNLÜ, <b>Levent PARALI</b> , Ahmet Murat PİNAR, Pin Disc, Pin Plate, Pin-Ring Journal-Bearing Wear Test Rig Designed and Manufacturing, <b>5<sup>th</sup> International Advanced Technologies Symposium</b> , 13-15 May, 2009, Karabük-Turkey. (Oral Presentation)
5	Ahmet Murat PİNAR, Abdulkadir GÜLLÜ, <b>Levent PARALI</b> , A. Faruk PİNAR, Modelling of Positioning Accuracy of Hydraulic Driven Curvilinear Motions, <b>5<sup>th</sup> International Advanced Technologies Symposium</b> , 13-15 May, 2009, Karabük-Turkey. (Oral Present.)
6	Pavel Kohout, Lukas Kouril, Jakub Navarik, Petr Novak, Jiri Pechousek, <b>Levent Parali</b> , Linearity of The Mössbauer Spectrum Velocity Scale Evaluation Utilizing Laser Vibrometer, <b>The International Conference on the Applications of the Mössbauer Effect ICEMA-2015</b> , Abstract Book, 13 <sup>th</sup> to 18 <sup>th</sup> September 2015, <b>Hamburg</b> . (Poster Presentation)
7	<b>Levent PARALI</b> , Ali SARI, Vibration Modelling of Piezoelectric Actuator (PEA) using Simulink Software, <b>2017 4<sup>th</sup> International Conference on Electrical and Electronics Engineering (ICEEE 2017)</b> , (Citing:1) April 8-10, 2017, Ankara, Turkey. DOI: <a href="http://dx.doi.org/10.1109/ICEEE2.2017.7935811">http://dx.doi.org/10.1109/ICEEE2.2017.7935811</a> (Oral Presentation)

8	Ali SARI, <b>Levent PARALI</b> , Jiri PECHOUSEK, Determining Energy Dissipation Characteristic of a Piezoelectric Actuator using Digital Measurement System, <b>2<sup>nd</sup> International Energy and Engineering Conference 2017</b> , 12-13 October, 2017, Gaziantep-Turkey. (Oral Presentation)
9	Merve Zeyrek ONGUN, <b>Levent PARALI</b> , Sibel OĞUZLAR, Serdar YILDIRIM, Fabrication and Characterization of High Sensitive Flexible $\beta$ -PVDF Based Piezoelectric Nanogenerator, <b>1<sup>st</sup> International Balkan Chemistry Congress (IBCC2018)</b> in Edirne-Turkey, 17-20 September, 2018, Edirne (Oral Presentation)
10	

#### Article Published in National Refereed Journals-Others

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

#### Given National Seminars

1	<b>Levent PARALI</b> , Digital Electronics-Plasma-TFT/LCD Televisions, Aksaray M.E.B, December 2003.
2	<b>Levent PARALI</b> , Metrology and Calibration, Elginkan, Center of Technical Education - Manisa, November 2007.
3	<b>Levent PARALI</b> , Metrology and Calibration, Elginkan, Center of Technical Education - Manisa, February 2008.
4	<b>Levent PARALI</b> , Computer Controlled Real Time Measurement Systems and Calibration, Celal Bayar University-Physics Department-Manisa, August 2008.
5	<b>Levent PARALI</b> , Metrology and Calibration, Celal Bayar University-Turgutlu Vocational School, Manisa, May 2010.
6	<b>Levent PARALI</b> , Metrology and Calibration, Celal Bayar University-Physics Department, Manisa, May 2011.
7	<b>Levent PARALI</b> , Metrology and Calibration, Elginkan, Center of Technical Education - Manisa, May 2013

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



**ERASMUS – KA103- Higher Education student and staff mobility**  
*Celal Bayar University-Turkey - Levent Paralı, 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 Paralı, Azerbaijan Technical University - Mirza Abdul Kurbanov , Years: 2014-2020.*

## Books and Chapters in Books (in Turkish)

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

## International Scientific Collaborations and Workshops

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

MENTORING ACTIVITIES		
Master Students		Years
1	<i>Design of a Small-scale Piezoelectric Sensor Production System by using Programmable Logic Controller (PLC)</i> , Hussein Sayid Omar Hamza, <b>Dokuz Eylul University, Electrical and Electronic Engineering. Completed</b>	2016
2		
3		

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

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

<b>Update</b>	in December, 2018
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