

## **Lect. NİHAL ÇETİN ACAR**

### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

Doctorate, Akdeniz University, Institute of Science, Institute of Science, Turkey 2019 - Continues

Postgraduate, Akdeniz University, Institute of Science, Institute of Science, Turkey 2009 - 2014

Undergraduate, Kütahya Dumlupınar University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği, Turkey 2005 - 2009

### **Research Areas**

Electrical and Electronics Engineering, Power Electronics, Power Converters, Engineering and Technology

### **Academic Titles / Tasks**

Lecturer, Akdeniz University, Korkuteli Vocational School, Department of Electronics and Automation, 2018 - Continues

Research Assistant, Akdeniz University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2010 - 2014

### **Courses**

Elektronik Güvenlik Sistemleri, Associate Degree, 2023 - 2024

Elektronik Meslek Bilgisi ve Güvenlik, Associate Degree, 2023 - 2024

Güç Elektroniği Laboratuvarı II, Undergraduate, 2023 - 2024

Elektronik I, Associate Degree, 2023 - 2024

RF Tekniği, Associate Degree, 2023 - 2024

Fiber Optik Haberleşmesi, Associate Degree, 2023 - 2024

Elektronik II, Associate Degree, 2023 - 2024

TV/Radyo Teknolojisi, Associate Degree, 2023 - 2024

Ölçme Tekniği, Associate Degree, 2023 - 2024

Endüstriyel Elektronik Uygulamaları, Associate Degree, 2023 - 2024

İş Sağlığı ve Güvenliği, Undergraduate, 2023 - 2024

### **Published journal articles indexed by SCI, SSCI, and AHCI**

1. Inductor based I-V curve measurement method for photovoltaic panels

Börekci S., Çetin Acar N.

Engineering Research Express, vol.6, no.1, pp.1-8, 2024 (SCI-Expanded)

**II. Design and Implementation of A LED Driver Circuit with Dimming Function without Burst Mode at Constant Switching Frequency**

Börekci S., Çetin Acar N., Özdem Ş., Kırçay A.

LIGHT AND ENGINEERING, vol.31, no.6, pp.58-63, 2023 (SCI-Expanded)

**III. LED dimming technique without frequency and pulse width modulations**

BÖREKÇİ S., Acar N. C., Kircay A.

INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.46, no.11, pp.2028-2037, 2018 (SCI-Expanded)

**IV. HIGH-BRIGHTNESS AND LOW-COST LED DRIVER - DC OR AC?**

BÖREKÇİ S., Acar N. C.

ELECTRONICS WORLD, vol.121, no.1950, pp.34-36, 2015 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Magnetically Dimmable Half Bridge Current Fed LED Driver**

ÇETİN ACAR N.

ADVANCES in ROBOTICS, MECHATRONICS and CIRCUITS, Santorini, Greece, 21 - 24 July 2014, pp.150-154

**II. An Accurate Way of Determining BJT's Switching Loss in Medium and High Voltage Applications**

BÖREKÇİ S., Çetin Acar N.

2012 IEEE International Conference on Electronics Design, Systems and Applications, Kuala Lumpur, Malaysia, 5 - 06 November 2012, pp.210-213

## **Metrics**

Publication: 6

Citation (WoS): 5

Citation (Scopus): 7

H-Index (WoS): 1

H-Index (Scopus): 1