

## Res. Asst. Hasan Üzmuş

### Personal Information

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### Education Information

Doctorate, Van Yüzüncü Yil University, Fen Bilimler, Elektrik Elektronik Mühendisliği, Turkey 2016 - Continues

Post Graduate, Van Yüzüncü Yil University, Mühendislik Mimarlık Fakültesi, Elektrik Makineleri, Turkey 2014 - 2016

Under Graduate, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2006 - 2011

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Post Graduate, ÇİFT-KATLI YÜKSELTEN (CASCADE BOOST) DÖNÜŞTÜRÜCÜNÜN KAYAN KİP (SLIDING MOD)

YÖNTEMİYLE KONTROLÜ, Van Yüzüncü Yil University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği, 2016

### Research Areas

Electrical and Electronics Engineering, Power Electronics, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Van Yüzüncü Yil University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği, 2013 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Design and application of PEM fuel cell-based cascade boost converter**  
Kocaarslan I., Kart S., Genc N., Üzmuş H.  
ELECTRICAL ENGINEERING, 2019 (Journal Indexed in SCI)
- II. **Digital Control of Bridgeless Interleaved PFC Boost Converter Based on Predicted Input Current**  
Genc N., Uzmus H.  
IETE Journal of Research, 2019 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **MODELLING AND SIMULATION OF EXTREMUM SEEKING CONTROL FOR PEMFC**  
Kart S., Üzmuş H., Genç N.  
International Journal on TECHNICAL AND PHYSICAL PROBLEMS OF ENGINEERING (IJTPE), vol.9, no.33, pp.21-25, 2017 (Refereed Journals of Other Institutions)
- II. **APPLICATION OF AN OFF-GRID PV SYSTEM TO MEET THE ELECTRICAL ENERGY OF A HOUSE**  
Üzmuş H., Genç N., Dilber İ. H.  
International Journal on TECHNICAL AND PHYSICAL PROBLEMS OF ENGINEERING (IJTPE), vol.9, no.33, pp.16-20, 2017 (Refereed Journals of Other Institutions)
- III. **REMOTE CONTROL OF ARM ROBOTIC GUIDED BY GPS SYSTEM**  
Genç N., Ahmmed M. N., Üzmuş H.  
International Journal on "Technical and Physical Problems of Engineering" (IJTPE), vol.8, no.29, pp.39-43, 2016 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **A Study on Power Factor Correction in AC-DC Converters**  
ÇELİK M. A., Genç N., Üzmuş H.  
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL & APPLIED SCIENCES ICANAS, Antalya, Turkey, 9 - 12 May 2018, pp.292
- II. **Installation of a PV System to meet the Electrical Energy of a House in Van, Turkey**  
Üzmuş H., Genç N., Dilber İ. H.  
International Conference on Technical and Physical Problems of Electrical Engineering (ICTPE), Van, Turkey, 21 - 23 September 2017, pp.284-287
- III. **Extremum Seeking Control for PEM Fuel Cell**  
Kart S., Üzmuş H., Genç N.  
International Conference on Technical and Physical Problems of Electrical Engineering (ICTPE), Van, Turkey, 21 - 23 September 2017, pp.281-283
- IV. **Average Model os State Space and Small Signal Analysis of Cascade DC/DC Boost Converter**  
Kart S., Genç N., Kocaarslan İ., Üzmuş H.  
International Conference on Technical and Physical Problems of Electrical Engineering (ICTPE), Van, Turkey, 21 - 23 September 2017, pp.139-143
- V. **Pem Fuel Cell Based Cascade Boost Converter**  
Üzmuş H., Genç N.  
ECRES 2016-4th European Conference on Renewable Energy Systems, İstanbul, Turkey, 28 - 31 August 2016, pp.418-423

## Supported Projects

- Genç N., Hataş H., Üzmuş H., Project Supported by Higher Education Institutions, Dijital Kontrol Yöntemleri İle Doğru Akım (DA) Motor Hız Kontrolü, 2017 - 2018
- Genç N., Üzmuş H., Atan Ö., Meral M. E., Saraçoğlu R., Almalı M. N., Project Supported by Higher Education Institutions, 13. Uluslararası Elektrik Elektronik Mühendisliğinin Teknik ve Fiziksel Problemleri Konferansı, ICTPE-2017 (The 13th International Conference on Technical and Physical Problems of Electrical Engineering ICTPE-2017), 2017 - 2017
- Mert S. O., Genç N., TUBITAK Project, Yakıt Hücreleri İçin Çift-Katlı Yükselten Da-Da Dönüştürücü Tasarımı Ve Kayan-Kip Tabanlı Mgni Kontrolü, 2015 - 2017
- Genç N., Üzmuş H., Project Supported by Higher Education Institutions, Çift-Katlı Yükselten (Cascade Boost) Dönüştürücünün Kayan Kip (Sliding Mod) Yöntemiyle Kontrolü, 2016 - 2016
- Genç N., Üzmuş H., Project Supported by Higher Education Institutions, Bir Konutun Elektrik Enerjisi İhtiyacının Şebeke Bağlantısız Güneş Enerjisi Sisteminden Karşlanması; Tasarım ve Analiz, 2015 - 2016

## Citations

Total Citations (WOS):2

h-index (WOS):1