

## Res. Asst. Halil İbrahim Üçkol

### Personal Information

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### Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliđi, Turkey 2020 - Continues

Postgraduate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliđi, Turkey 2017 - 2020

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2012 - 2017

### Dissertations

Postgraduate, Convolutional neural network based partial discharge pattern classification of medium voltage cable terminations, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliđi, 2020

### Research Areas

Electrical and Electronics Engineering

### Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliđi, 2018 - Continues

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

- I. **Workmanship defect classification in medium voltage cable terminations with convolutional neural network**  
Üçkol H. İ., İlhan S., Özdemir A.  
Electric Power Systems Research, vol.194, 2021 (Journal Indexed in SCI)
- II. **DC and AC electric field analysis and experimental verification of a silicone rubber insulator**  
Üçkol H. İ., Karaca B., İlhan S.  
ELECTRICAL ENGINEERING, vol.102, no.1, pp.503-514, 2020 (Journal Indexed in SCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of correlation between temperature and leakage current in HTV silicone rubber by inclined plane tests HTV Silikon Yalıtkanlarda Sıcaklık ve Kaçak Akım Arasındaki Korelasyonun Eğik Düzlem Deneyi ile İncelenmesi**  
Tüzün D., Üçkol H. İ., İlhan S.

12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.10-14

**II. Defect classification in MV cable terminations based on residual neural network OG Kablo Başlıklarında Rezidüel Sinir Ağları Temelli Kusur Sınıflandırılması**

Üçkol H. İ., İlhan S.

12th International Conference on Electrical and Electronics Engineering, ELECO 2020, Bursa, Turkey, 26 - 28 November 2020, pp.6-9

**III. Partial Discharge Pattern Classification based on Deep Learning for Defect Identification in MV Cable Terminations**

Üçkol H. İ., İlhan S., Özdemir A.

7th IEEE International Conference on High Voltage Engineering and Application, ICHVE 2020, Beijing, China, 6 - 10 September 2020

**IV. AC and DC field distributions in glass, RTV-coated glass and composite insulators**

Uçkol H. İ., İLHAN S., ÖZDEMİR A.

11th International Conference on Electrical and Electronics Engineering, ELECO 2019, Bursa, Turkey, 28 - 30 November 2019, pp.336-340