Проф.Др.
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Электроника жана электр инженериясы бөлүмү
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Билими

1	Бакалавр	1997 - 1999	,
2	Магистр	2001 - 2003	,

Тил билүү деңгээли

#	Тил	Угуп түшүнүү	Окуп түшүнүү	Өз ара сүйлөшүү	Оозеки түшүндүрүү	Жазуу
1	Англисче	C2	C2	C2	C2	C2
2	Түркчө	C2	C2	C2	C2	C2

A1: Beginner **A2:** Elementary **B1:** Pre-Intermediate **B2:** Intermediate **C1:** Upper-Intermediate **C2:** Advanced

Илимий багыттары

Электр жана электроника, Инженерия

Илимий даражалары

1	Др.	1999	,
2	Др.	2006	,
3	Доц.Др.	2011	,
4	Проф.Др.	2019	,
5	Проф.Др.	2018	,

Берген сабактары

EEM-431 Телекоммуникациялык системалар i

EEM-302 Автоматтык башкаруу

EEM-103 Электр жана электроника инж. жана карьераны план. кириш

EEM-106 Ыктымалдуулук теориясы жана кокус чоңдуктар

EEM-114 Англис тилиндеги академиялык баяндама жана презентация

EEM-205 Электр чынжырлары лабораториясы i

ENM-451 Квалификациялык бүтүрүү иши i

ENM-461 Математикалык моделдөө

EEM-352 Автоматтык башкаруу

EEM-101 Электроника жана электр инженерлигине киришүү

ELM-203 Электр чынжырлары лабораториясы i

EEM-104 Ыктымалдуулук теориясы жана кокус чоңдуктар

EEM-201 Электр чынжырлары талдоо i

EEM-202 Электр чынжырлары талдоо ii

EEM-141 Информатика (с программалоо тили)

Административдик кызматтары

#	Кызматы	Бөлүм	Башталышы	Бүтүшү
1	Бөлүм башчысы	Электроника жана электр инженериясы бөлүмү	10.09.2019	09.09.2022
2	Бөлүм башчысы	Өнөр-жай инженериясы бөлүмү	27.09.2019	13.09.2022
3	Бөлүм башчысы	Өнөр-жай инженериясы бөлүмү	14.09.2022	03.03.2023
4	Бөлүм башчысы	Өнөр-жай инженериясы бөлүмү	08.09.2023	10.10.2023
5	Бөлүм башчысы	Электроника жана электр инженериясы бөлүмү	14.09.2022	-

SCI, SCI-E, SSCI жана AHCI индекстүү журналдарда басылган макалалары

1. G.Gök, Ö.S.DURNA, C.Taplamacioglu. (2023). Transient event classification using pmu data with deep learning techniques and synthetically supported training-set. IET Generation Transmission and Distribution , 17(6), 1287-1297. DOI: https://doi.org/10.1049/gtd2.12734. https://www.webofscience.com/wos/woscc/full-record/WOS:000905387200001.
2. M.CALISKAN, Ö.S.DURNA, M.CIYDEM. (2023). Waveform Correlation Based Harmonic Voltage Contribution Determination of Iron and Steel Plants Supplied From PCC. IEEE Transactions on Industry Applications, 59(4), 5178-5189. DOI: 10.1109/TIA.2023.3265476. https://www.webofscience.com/wos/woscc/full-record/WOS:001033597000113.
3. S.AKKAYA, Ö.S.DURNA. (2022). Flicker Detection Algorithm Based on the Whole Voltage Frequency Spectrum for New Generation Lamps – Enhanced VPD Flickermeter Model and Flicker Curve. Electric Power Components and Systems, 1(15), 1-15. DOI:

10.1080/15325008.2021.2011487. https://www.webofscience.com/wos/woscc/full-record/WOS:000740572000001.

4. M.ÇALIŞKAN, Ö.S.DURNA, M.Ciydem. (2022). Harmonic Contribution Detection of Iron and Steel Plants Based on Correlation of Time-Synchronized Current and Voltage Signals. IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, 58(6), 8033-8044. https://www.webofscience.com/wos/woscc/full-record/WOS:000892924400107.
5. E.SEZGİN, A.Mohapatra, T.Hamacher, Ö.S.DURNA, P.Veric. (2022). Fast harmonic analysis for PHIL experiments with decentralized real-time controllers. Electric Power System Research, 211(108493), 1-8. DOI: 10.1016/j.epsr.2022.108493. https://www.webofscience.com/wos/woscc/full-record/WOS:000836904300016.
6. E.BALOUJI, Ö.S.DURNA, T.McKelvey. (2022). Deep Learning Based Predictive Compensation of Flicker, Voltage Dips, Harmonics and Interharmonics in Electric Arc Furnaces. IEEE Transactions on Industry Applications, 58(3), 4214-4224. DOI: 10.1109/TIA.2022.3160135. https://www.webofscience.com/wos/woscc/full-record/WOS:000799279300114.
7. N.SEVEROĞLU, Ö.S.DURNA. (2021). Statistical Models of EAF Harmonics Developed for Harmonic Estimation Directly From Waveform Samples Using Deep Learning Framework. IEEE Transactions on Industry Applications, 57(6), 6730-6740. DOI: 10.1109/TIA.2021.3114127. https://www.webofscience.com/wos/woscc/full-record/WOS:000722035300113.
8. Ö.S.DURNA, N.SEVEROĞLU. (2020). Amplitude and phase estimations of power system harmonics using deep learning framework. IET Generation Transmission and Distribution , 14(19), 4089-4096. https://www.webofscience.com/wos/woscc/full-record/WOS:000571857300017.
9. Ç.ALTINTAŞI, Ö.AYDIN, C.TAPLAMACIOĞLU, Ö.S.DURNA. (2020). Power system harmonic and interharmonic estimation using Vortex Search Algorithm. Electric Power System Research, 182(106187), 1-12. https://www.webofscience.com/wos/woscc/full-record/WOS:000525763600003.
10. E.BALOUJI, K.Backstrom, T.McKelvey, Ö.S.DURNA. (2020). Deep-Learning-Based Harmonics and Interharmonics Predetection Designed for Compensating Significantly Time-Varying EAF Currents. IEEE Transactions on Industry Applications, 56(3), 3250-3260. https://www.webofscience.com/wos/woscc/full-record/WOS:000559740800107.
11. Ö.S.DURNA, U.ORGUNER, Ç.ALTINTAŞI. (2020). Performance limits for the amplitude estimation of power system harmonics & interharmonics. IET Generation Transmission and Distribution , 14(19), 4108-4121. DOI: 10.1049/iet-gtd.2020.0080. https://www.webofscience.com/wos/woscc/full-record/WOS:000571857300019.

Докладдары

1. M.ÇALIŞKAN, Ö.S.DURNA, M.ÇİYDEM. Waveform Correlation Based Harmonic Voltage Contribution Determination of Iron and Steel Plants Supplied From PCC. IEEE Industry Applications Society Annual Meeting 2022, 2022. DOI: 10.1109/IAS54023.2022.9939680. https://ias.ieee.org/2022annualmeeting.
2. E.SEZGİN, A.Mohapatra, T.Hamacher, Ö.S.DURNA, V.Peric. Fast harmonic analysis for PHIL experiments with decentralized real-time controllers. Power System Computation Conference 2022, 2022. DOI: https://pscc.epfl.ch/rms/modules/request.php?module=oc_program&action=program.ph. https://pscc2022.pt/.
3. E.BALOUJI, Ö.S.DURNA, T.McKelvey. Predictive Compensation of EAF Flicker, Voltage Dips Harmonics and Interharmonics Using Deep Learning. IEEE Industry Applications Society Annual Meeting 2021, 2021. DOI: 10.1109/IAS48185.2021.9677400.

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4. M.ÇALIŞKAN, Ö.S.DURNA, M.ÇİYDEM. Harmonic Contribution Detection of Iron and Steel Plants Based on Correlation of Time-Synchronized Current and Voltage Signals. IEEE Industry Applications Society Annual Meeting 2021, 2021. DOI: 10.1109/IAS48185.2021.9677202. https://ias.ieee.org/2021annualmeeting.
5. M.ÇALIŞKAN, Ö.S.DURNA. Determination of Harmonic Current Responsibility at Point of Common Coupling of the Electrical System by Correlation of Voltage and Current Signals. 2020 28th Signal Processing and Communications Applications Conference (SIU), 2020. DOI: 10.1109/SIU49456.2020.9302285. https://www.webofscience.com/wos/woscc/full-record/WOS:000653136100259.
6. E.BALOUJI, K.Backstrom, T.McKelvey, Ö.S.DURNA. Deep-Learning-Based Harmonics and Interharmonics Predetection Designed for Compensating Significantly Time-Varying EAF Currents. IEEE Industry Applications Society Annual Meeting 2019, 2019. https://ias.ieee.org/2019annualmeeting.