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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Virginia Commonwealth University, Amerika Birleşik Devletleri 2020 - 2022

Yüksek Lisans, The George Washington University, Amerika Birleşik Devletleri 2016 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Analysis of deceptive data attacks with adversarial machine learning for solar photovoltaic power generation forecasting**
Kuzlu M., Sarp S., Catak F. O., Cali U., Zhao Y., ELMA O., Guler O.
Electrical Engineering, cilt.106, sa.2, ss.1815-1823, 2024 (SCI-Expanded)
- II. **AI based fuzzy MCDM models: Comparison and evaluation of dissimilar outcomes, an application to enhance pilot recruitment process**
Taylan O., Güloğlu B., Alkabaa A. S., Sarp S., Alidrisi H. M., Milyani A. H., Alidrisi H., Balubaid M.
Expert Systems, 2024 (SCI-Expanded)
- III. **Digital Twin in Healthcare: A Study for Chronic Wound Management**
Sarp S., Kuzlu M., Zhao Y., Gueler O.
IEEE Journal of Biomedical and Health Informatics, cilt.27, sa.11, ss.5634-5643, 2023 (SCI-Expanded)
- IV. **An XAI approach for COVID-19 detection using transfer learning with X-ray images**
Sarp S., Catak F. O., Kuzlu M., Cali U., Kusetogullari H., Zhao Y., Ates G., Guler O.
Heliyon, cilt.9, sa.4, 2023 (SCI-Expanded)
- V. **A Comparison of Deep Learning Algorithms on Image Data for Detecting Floodwater on Roadways**
Sarp S., Kuzlu M., Zhao Y., Cetin M., Guler O.
Computer Science and Information Systems, cilt.19, sa.1, ss.397-414, 2022 (SCI-Expanded)
- VI. **The Enlightening Role of Explainable Artificial Intelligence in Chronic Wound Classification**
SARP S., KUZLU M.
ELECTRONICS (Basel), cilt.10, 2021 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **BFV-Based Homomorphic Encryption for Privacy-Preserving CNN Models**
SARP S.
Cryptography, cilt.6, 2022 (Scopus)

Kitap & Kitap Bölümleri

I. Digital Twin in Industry 4.0 and Beyond Applications

JAVANOVIC V., KUZLU M., ÇALI Ü., UTKU D. H., ÇATAK F. Ö., SARP S., ZOHRABI N.

Digital Twin Driven Intelligent Systems and Emerging Metaverse, Enis Karaarslan, Ömer Aydın, Ümit Cali, Moharram Challenger, Editör, SPRINGER, ss.155-174, 2023

II. Digital Twin Applications for Smart and Connected Cities

UTKU D. H., ÇATAK F. Ö., KUZLU M., SARP S., JAVANOVIC V., ÇALI Ü., ZOHRABI N.

Digital Twin Driven Intelligent Systems and Emerging Metaverse, KARAASLAN ENİS, AYDIN ÖMER, ÇALI ÜMİT, Editör, SPRINGER, ss.141-154, 2023

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Non-Cryptographic Privacy Preserving Machine Learning Methods: A Review

ŞAHİNBAŞ K., Catak F. O., Kuzlu M., Tabassum M., Sarp S.

2nd International Conference on Advanced Engineering, Technology and Applications, ICAETA 2023, İstanbul, Türkiye, 10 - 11 Mart 2023, cilt.1983 CCIS, ss.410-421

II. Secure Future Healthcare Applications Through Federated Learning Approaches

Tabassum M., Kuzlu M., Catak F. O., Sarp S., ŞAHİNBAŞ K.

2nd International Conference on Advanced Engineering, Technology and Applications, ICAETA 2023, İstanbul, Türkiye, 10 - 11 Mart 2023, cilt.1983 CCIS, ss.214-225

III. Integration of OMNeT++ into a Networking Course in an Electrical Engineering Technology Program

Kuzlu M., Tamayo B. E., Sarp S., Popescu O., Jovanovic V. M.

2023 ASEE Annual Conference and Exposition - The Harbor of Engineering: Education for 130 Years, ASEE 2023, Maryland, Amerika Birleşik Devletleri, 25 - 28 Haziran 2023

IV. Development of Sensing and Programming Activities for Engineering Technology Pathways Using a Virtual Arduino Simulation Platform

Kuzlu M., Jovanovic V. M., Popescu O., Sarp S.

2023 ASEE Annual Conference and Exposition - The Harbor of Engineering: Education for 130 Years, ASEE 2023, Maryland, Amerika Birleşik Devletleri, 25 - 28 Haziran 2023

V. Development of a Data Science Curriculum for an Engineering Technology Program

Sarp S., Kuzlu M., Popescu O., Jovanovic V. M., Acar Z.

2023 ASEE Annual Conference and Exposition - The Harbor of Engineering: Education for 130 Years, ASEE 2023, Maryland, Amerika Birleşik Devletleri, 25 - 28 Haziran 2023

VI. Sales Forecasting During the COVID-19 Pandemic for Stock Management

Yildirim E., Cam V., Balki F., Sarp S.

Proceedings of the 10th Machine Intelligence and Digital Interaction Conference, MIDI 2022, Virtual, Online, 12 - 15 Aralık 2022, cilt.710 LNNS, ss.111-123

VII. Uncertainty Aware Deep Learning Model for Secure and Trustworthy Channel Estimation in 5G Networks

Catak F. O., Cali U., Kuzlu M., Sarp S.

12th Mediterranean Conference on Embedded Computing, MECO 2023, Budva, Karadağ, 6 - 10 Haziran 2023

VIII. The Rise of Generative Artificial Intelligence in Healthcare

Kuzlu M., Xiao Z., Sarp S., Catak F. O., Gurler N., Guler O.

12th Mediterranean Conference on Embedded Computing, MECO 2023, Budva, Karadağ, 6 - 10 Haziran 2023

IX. Security Concerns of Adversarial Attack for LSTM/BiLSTM Based Solar Power Forecasting

Kuzlu M., Tamayo B. E., Sarp S., Catak F. O., Cali U., Zhao Y.

2023 IEEE Power and Energy Society General Meeting, PESGM 2023, Florida, Amerika Birleşik Devletleri, 16 - 20 Temmuz 2023, cilt.2023-July

X. Homomorphic Encryption and Federated Learning based Privacy-Preserving CNN Training: COVID-

19 Detection Use-Case

Wibawa F., Catak F. O., Kuzlu M., Sarp S., Cali U.

2022 European Interdisciplinary Cybersecurity Conference, EICC 2022, Virtual, Online, İspanya, 15 - 16 Haziran 2022, ss.85-90

- XI. **A Streamlit-based Artificial Intelligence Trust Platform for Next-Generation Wireless Networks**
Kuzlu M., Catak F. O., Sarp S., Cali U., Gueler O.
2022 IEEE Future Networks World Forum, FNWF 2022, Virtual, Online, Kanada, 12 - 14 Ekim 2022, ss.94-97
- XII. **Sentiment Analysis Using State of the Art Machine Learning Techniques**
Balci S., Demirci G. M., Demirhan H., Sarp S.
9th Machine Intelligence and Digital Interaction Conference, MIDI 2021, Virtual, Online, 9 - 10 Aralık 2021, cilt.440 LNNS, ss.34-42
- XIII. **Mitigating Attacks on Artificial Intelligence-based Spectrum Sensing for Cellular Network Signals**
Catak F. O., Kuzlu M., Sarp S., Catak E., Cali U.
2022 IEEE GLOBECOM Workshops, GC Wkshps 2022, Virtual, Online, Brezilya, 4 - 08 Aralık 2022, ss.1371-1376
- XIV. **Security and Threats of Intelligent Reflecting Surface Assisted Wireless Communications**
Tang H., Sarp S., Zhao Y., Wang W., Xin C.
31st International Conference on Computer Communications and Networks, ICCCN 2022, Virtual, Online, Amerika Birleşik Devletleri, 25 - 27 Temmuz 2022, cilt.2022-July
- XV. **Realization of a Real-Time Decision Support System to Reduce the Risk of Diseases Caused by Posture Disorders Among Computer Users**
Gumuskeynak E., Toptas F., Aslantas R., Balki F., Sarp S.
9th Machine Intelligence and Digital Interaction Conference, MIDI 2021, Virtual, Online, 9 - 10 Aralık 2021, cilt.440 LNNS, ss.122-130
- XVI. **Work in Progress: Activating Computational Thinking by Engineering and Coding Activities through Distance Education**
Sarp S., Demirhan H., Akca A., Balki F., Ceylan S.
2021 ASEE Virtual Annual Conference, ASEE 2021, Virtual, Online, 26 - 29 Temmuz 2021
- XVII. **An interpretable solar photovoltaic power generation forecasting approach using an explainable artificial intelligence tool**
Sarp S., Kuzlu M., Cali U., ELMA O., Guler O.
2021 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference, ISGT 2021, Washington, Amerika Birleşik Devletleri, 16 - 18 Şubat 2021
- XVIII. **Use of Intelligent Reflecting Surfaces for and Against Wireless Communication Security**
Sarp S., Tang H., Zhao Y.
4th IEEE 5G World Forum, 5GWF 2021, Virtual, Online, Kanada, 13 - 15 Ekim 2021, ss.374-377
- XIX. **An initial look into the computer science and cybersecurity pathways project for career and technical education curricula**
Jovanovic V. M., Kuzlu M., Popescu O., Badawi A. R., Marshall D. K., Sarp S., Tsouganatou S., Katsioloudis P. J., Vahala L., Wu H. M.
2020 ASEE Virtual Annual Conference, ASEE 2020, Virtual, Online, 22 - 26 Haziran 2020, cilt.2020-June
- XX. **Realizing the potential of blockchain technology in smart grid applications**
Kuzlu M., Sarp S., Pipattanasomporn M., Cali U.
2020 IEEE Power and Energy Society Innovative Smart Grid Technologies Conference, ISGT 2020, Washington, Amerika Birleşik Devletleri, 17 - 20 Şubat 2020

Metrikler

Yayın: 30

Atf (Scopus): 189

H-İndeks (Scopus): 7