

Assoc. Prof. Tahir Çetin Akıncı

Personal Information

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Address: Istanbul Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Ayazağa Kampüsü, Sarıyer, İstanbul.

Education Information

Under Graduate, Klaipėdos Universitetas, Electrical Engineering, Lithuania 2009 - 2012

Doctorate, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Turkey 2005 - 2009

Post Graduate, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi Bölümü, Turkey 2003 - 2005

Dissertations

Doctorate, Güç sistemlerinde ferrezonans olayının spektral ve dalgacık analizi yöntemleriyle belirlenmesi, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), 2009

Research Areas

Technical Sciences, Information Systems, Communication and Control Engineering, Signal Processing, Signal Processing Theory and Methods, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Human Computer Interaction, Electrical and Electronics Engineering, Electronic, Sensing Devices and Transducers, Energy, Renewable energy

Academic Titles / Tasks

Associate Professor, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2016 - Continues

Assistant Professor, Kırklareli Üniversitesi, Mühendislik Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2012 - 2014

Research Assistant, Marmara Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2003 - 2010

Professional Experience

Vice Dean, Kırklareli Üniversitesi, Mühendislik Fakültesi, 2011 - 2013

Head of Department, Kırklareli Üniversitesi, Mühendislik Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2010 - 2012

Courses

Computer Networks for Power Systems, Under Graduate, 2019 - 2020

Sayısal Elektronik Devreler, Under Graduate, 2017 - 2018

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

- I. **Measurement of Power Line Sagging Using Sensor Data of a Power Line Inspection Robot**
Zengin A. T. , Erdemir G., Akıncı T. Ç. , Seker S.
IEEE ACCESS, vol.8, pp.99198-99204, 2020 (Journal Indexed in SCI)
- II. **Analysis of instantaneous frequency, instantaneous amplitude and phase angle of ferroresonance in electrical power networks**
AKGÜN Ö., Akıncı T. Ç. , Erdemir G., Seker S.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.70, pp.494-498, 2019 (Journal Indexed in SCI)
- III. **Wind energy potential and micro-turbine performance analysis in Djibouti-city, Djibouti**
Ibrahim Idris A., Ali Ahmed R., Idriss Oma A., Kassim Said R., AKINCI T. Ç.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, 2019 (Journal Indexed in SCI)
- IV. **A steady state quantum classifier**
Türkpençe D., Akıncı T. Ç. , Seker S.
PHYSICS LETTERS A, vol.383, pp.1410-1418, 2019 (Journal Indexed in SCI)
- V. **Analysis of Gait Dynamics of ALS Disease and Classification of Artificial Neural Networks**
Akgun O., Akan A., Demir H., Akıncı T. Ç.
TEHNICKI VJESNIK-TECHNICAL GAZETTE, vol.25, pp.183-187, 2018 (Journal Indexed in SCI)
- VI. **Fast fourier transformation of emitted noises from welding machines and their classification with acoustic method**
Gokmen G., Akgun O., Akıncı T. Ç. , Şeker Ş. S.
MECHANIKA, vol.23, pp.588-593, 2017 (Journal Indexed in SCI)
- VII. **The determination of short circuits and grounding faults in electric power systems using time frequency analysis**
ESEN V., ORAL B., Akıncı T. Ç.
Journal of Energy in Southern Africa, vol.26, pp.123-132, 2015 (Journal Indexed in SCI Expanded)
- VIII. **Determination of Wind Energy Potential in Kirklareli-Turkey**
Ersoz S., Akıncı T. Ç. , Nogay H. S. , Dogan G.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.10, pp.103-116, 2013 (Journal Indexed in SCI)
- IX. **Application of artificial neural networks for short term wind speed forecasting in Mardin Turkey**
NOĞAY H. S. , Akıncı T. Ç. , Eiduekiite M. E.
Journal of Energy in Southern Africa, vol.23, 2012 (Journal Indexed in SCI Expanded)
- X. **Spectral and statistical analysis for ferroresonance phenomenon in electric power systems**
Seker S., Akıncı T. Ç. , Taskin S.
ELECTRICAL ENGINEERING, vol.94, pp.117-124, 2012 (Journal Indexed in SCI)
- XI. **Wind Speed Correlation Between Neighboring Measuring Stations**
Akıncı T. Ç. , Nogay H. S.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.37, pp.1007-1019, 2012 (Journal Indexed in SCI)
- XII. **Application of wavelet transform to defect detection of building's structure**
Volkovas V., EIDUKEVICIUTE M., Nogay H. S. , Akıncı T. Ç.
MECHANIKA, pp.683-690, 2012 (Journal Indexed in SCI)
- XIII. **Short Term Wind Speed Forecasting with ANN in Batman Turkey**
Akıncı T. Ç.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.1, pp.41-45, 2011 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Noise identification based on spectral analysis and noisy transfer function approach for fuel cells**
Akıncı T. Ç. , Seker S., DURSUN E., KILIÇ O.
NOISE MAPPING, vol.7, pp.14-20, 2020 (Journal Indexed in ESCI)
- II. **ROSETLineBot: One-Wheel-Drive Low-Cost Power Line Inspection Robot Design and Control**
ZENGİN A. T. , ERDEMİR G., AKINCI T. Ç. , Selçuk F. A. , ERDURAN M. N. , ŞEKER Ş. S.
JOURNAL OF ELECTRICAL SYSTEMS, vol.15, pp.626-634, 2019 (Journal Indexed in ESCI)
- III. **Suitability and Evaluating Wind Speed Probability Distribution Models in a Hot Climate: Djibouti Case Study**
Idriss A. I. , Ahmed R. A. , Said R. K. , Omar A. I. , Barutçu B., Mohamed A. A. , Akıncı T. Ç.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.9, pp.1586-1596, 2019 (Journal Indexed in ESCI)
- IV. **APPLICATION OF DECISION TREE METHODS FOR WIND SPEED ESTIMATION**
NOĞAY H. S. , AKINCI T. Ç.
European Journal of Technic, vol.9, pp.74-83, 2019 (Refereed Journals of Other Institutions)
- V. **International Journal of Renewable Energy Research**
Ibrahim Idris A., Ali Ahmed R., Kassim Said R., Idriss Oma A., BARUTÇU B., Awalo Mohamed A., AKINCI T. Ç.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.9, pp.1586-1596, 2019 (Refereed Journals of Other Institutions)
- VI. **A CONVOLUTIONAL NEURAL NETWORK APPLICATION FOR THE CLASSIFICATION OF LUNG CANCER TYPES**
NOĞAY H. S. , AKINCI T. Ç. , ERDEMİR G.
Industrial Technologies, vol.5, pp.7-12, 2018 (Refereed Journals of Other Institutions)
- VII. **ESTIMATION OF HEAD NECK CANCER STAGE BY USING DEEP CONVOLUTIONAL NEURAL NETWORKS**
NOĞAY H. S. , AKINCI T. Ç. , ERDEMİR G.
Industrial Technologies, vol.5, pp.13-19, 2018 (Refereed Journals of Other Institutions)
- VIII. **CALCULATION OF DIELECTRIC DISSIPATION FACTOR AT VARIABLE FREQUENCIES OF MODEL TRANSFORMER**
KAYA O., AKINCI T. Ç. , ÖNAL Ş. E.
JOURNAL OF THE TECHNICAL UNIVERSITY - SOFIA PLOVDIV BRANCH, BULGARIA FUNDAMENTAL SCIENCES AND APPLICATIONS, vol.24, pp.55-59, 2018 (Refereed Journals of Other Institutions)
- IX. **A Convolutional Neural Network Application for Predicting the Locating of Squamous Cell Carcinoma in the Lung**
NOĞAY H. S. , AKINCI T. Ç.
Balkan Journal of Electrical and Computer Engineering, vol.6, pp.207-210, 2018 (Refereed Journals of Other Institutions)
- X. **Bispectrum and Energy Analysis of Wind Speed Data**
AKINCI T. Ç. , ŞEKER Ş. S. , Dikun J., AKGÜN Ö., ERDEMİR G.
International Journal of Electrical Energy, vol.5, pp.87-91, 2017 (Refereed Journals of Other Institutions)
- XI. **Bispectrum and Energy Analysis of Wind Speed Data**
AKINCI T. Ç. , ŞEKER Ş. S. , AKGÜN Ö., Dikun J., ERDEMİR G.
International Journal of Electrical Energy, vol.5, pp.87-91, 2017 (Refereed Journals of Other Institutions)
- XII. **Artificial Neural Network Based Solution of Inverse and Forward Kinematics of Six - Axis Robotic Arm**
NOĞAY H. S. , AKINCI T. Ç. , ŞEKER Ş. S.
Industrial Technologies, vol.14, pp.7-12, 2017 (Refereed Journals of Other Institutions)
- XIII. **Laboratory ferroresonance measurements in power transformers**
Pejic M., Tokic A., Kasumovic M., Akıncı T. Ç.
ELEKTROTEHNIŠKI VESTNIK-ELECTROCHEMICAL REVIEW, vol.84, pp.195-199, 2017 (Journal Indexed in ESCI)
- XIV. **Analysis of Sounds Generated from Welding Machine while in Idle and Operational Mode by Acoustic**
GÜNAYDIN L., AKINCI T. Ç. , KOÇYİĞİT G., GÖKMEN G., AKGÜN Ö.

Refereed Congress / Symposium Publications in Proceedings

- I. **Beyin Dalgası Sensörü Kontrolü ile Akıllı Ev Otomasyonu**
Özen A., AKINCI T. Ç. , TÜRKPENÇE D., ÇAĞLAR R., ŞEKER Ş. S.
EEMKON 2019, ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ KONGRESİ, Turkey, 14 - 16 November 2019, pp.204-208
- II. **Evolution of entanglement in quantum neural network**
Korkmaz U., TÜRKPENÇE D., AKINCI T. Ç. , ŞEKER Ş. S.
IOP Conference Series: Materials Science and Engineering, 16 - 18 May 2019, vol.618, pp.12006
- III. **A VIEW TO COGNITIVE ENGINEERING**
AKINCI T. Ç.
International Conference on Technics, Technologies and Education ICTTE 2019, 16 - 18 October 2019
- IV. **QUANTUM NEURAL NETWORKS DRIVEN BY INFORMATION RESERVOIR**
TÜRKPENÇE D., Korkmaz U., ÇAĞLAR R., AKINCI T. Ç. , ŞEKER Ş. S.
The International Conference On New Approaches In Special Needs, 26 - 28 April 2019, pp.224-231
- V. **Steady coherence in quantum neural networks**
TÜRKPENÇE D., AKINCI T. Ç. , ŞEKER Ş. S.
4th International Conference on pure and Applied Sciences: Renewable energies, 23 - 25 November 2017

Supported Projects

Akinci T. Ç. , Project Supported by Higher Education Institutions, Bispectrum and energy analysis of wind speed data, 2016 - 2018

Akinci T. Ç. , Project Supported by Higher Education Institutions, Durum İzleme, Arıza Tespit Analizi ve İşaret İşleme Yöntemlerinde Yeni Yaklaşımlar, 2016 - 2018

Activities in Scientific Journals

The Journal of Cognitive Systems, Committee Member, 2016 - Continues

Journal of Electrical Systems, Committee Member, 2016 - Continues

Energy, Special Issue Editor, 2019 - 2020

Balkan Journal of Electrical and Computer Engineering, Special Issue Editor, 2019 - 2020

Invited Congress and Symposium Activities

Intern Conf Education Scie. Tech, Attendee, Burgas, Bulgaria, 2017

TechSys 2017, Attendee, Plovdiv, Bulgaria, 2017

OSITV CONGRESS, Attendee, Australia, 2017

ICCEE 2016, Attendee, Barcelona, Spain, 2016

ICTTE 2016, Attendee, Jambol, Bulgaria, 2016

RE & IT 2016, Attendee, Smoljan, Bulgaria, 2016

Citations

Total Citations (WOS):74

h-index (WOS):5