

Prof. SALİM KAHVECİ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-5587-2020

Yoksis Researcher ID: 21880

Education Information

Post Doctorate, Columbia University, Faculty Of Engineering, Electrical Engineering, United States Of America 2010 - 2011

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik, Turkey 1999 - 2006

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik, Turkey 1996 - 1999

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, Turkey 1992 - 1996

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Vocational Training, Featuring Wi-Fi and IEEE 802.11 Standard, IEEE Communications Society , 2022

Education Management and Planning, TÜBİTAK-ARDEB Ulusal Akademik Ar-Ge Destek Programları Tanıtımı ve Proje Önerisi Hazırlama Eğitimi, TÜBİTAK, 2014

Dissertations

Doctorate, Dar-alan Kablosuz Sabit Haberleşme Sistemlerinin Başarım Analizleri ve Turbo Kodlayıcıların Sistem Başarımına Etkisi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik, 2006

Postgraduate, Sesin Kod Uyarımlı Doğrusal Öngörümlü Kodlanmasının İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik, 1999

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Communication Networks, Communication System Theory, Error Corrector Codes, Wireless Communication, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2020 - Continues
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2014 - 2020
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2008 - 2014
Lecturer PhD, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2006 - 2008
Lecturer, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2005 - 2006
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 1997 - 2005

Academic and Administrative Experience

Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2019 - 2021
Karadeniz Technical University, Müh. Fak., Elektrik-Elektronik, 2013 - 2014

Courses

Genişbantlı THz İletişim, Doctorate, 2023 - 2024
Olasılık ve Rastlantısal Süreçler, Undergraduate, 2023 - 2024
THz Kanal Modelleme, Postgraduate, 2023 - 2024
Olasılık Kuramı, Undergraduate, 2017 - 2018, 2016 - 2017
Bitirme Çalışması, Undergraduate, 2017 - 2018
Turbo Kodlama ve Denkleştirme, Postgraduate, 2016 - 2017
Sayısal Çözümleme, Undergraduate, 2016 - 2017
5G Kablosuz Ağlar, Postgraduate, 2017 - 2018
Mühendislik Tasarımı-I, Undergraduate, 2017 - 2018
5G Ağındaki Olası Problemler, Doctorate, 2017 - 2018
Mesleki Deneyim-II, Undergraduate, 2016 - 2017
Yüksek Lisans Tezi, Postgraduate, 2015 - 2016
Tasarım Projesi, Undergraduate, 2015 - 2016
Doktora Tezi, Doctorate, 2015 - 2016
Birleşik Kod Çözücüler, Doctorate, 2015 - 2016
Mesleki Deneyim-I, Undergraduate, 2015 - 2016
Sayısal Çözümleme, Undergraduate, 2015 - 2016
Kablosuz Kişisel Alan Ağları: Bluetooth, Postgraduate, 2012 - 2013
Elektromanyetik Alanlar, Undergraduate, 2012 - 2013
Sayısal Çözümleme, Undergraduate, 2012 - 2013
Turbo Kodlama ve Denkleştirme, Postgraduate, 2012 - 2013

Advising Theses

KAHVECİ S., Adaptive Spatial Modulation in Fading Channels, Postgraduate, A.AKBARLI(Student), Continues
KAHVECİ S., GELECEK NESİL KABLOSUZ HABERLEŞME SİSTEMLERİNDE TRAFİK ANALİZİ, Postgraduate, E.ŞAHİN(Student), Continues
Kahveci S., ANALYSIS OF TRANSMITTER AND RECEIVER OF ULTRA WIDEBAND COMMUNICATION IN WIRELESS BODY AREA NETWORK, Doctorate, Y.KARAN(Student), 2021
Kahveci S., 5G KABLOSUZ HABERLEŞME TEKNOLOJİSİNDE HÜCRE YAPILARININ İNCELENMESİ, Postgraduate, A.ÇİL(Student), 2021

Kahveci S., Thesis, Postgraduate, A.Çil(Student), 2021

Kahveci S., THE EFFECTS OF CHANNEL CHARACTERISTICS ON RELAY BEHAVIOR AND POSITION IN COOPERATIVE COMMUNICATIONS, Postgraduate, J.MANIRAGABA(Student), 2016

Jury Memberships

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Erzurum Teknik Üniversitesi, January, 2024

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, August, 2023

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, August, 2023

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, July, 2023

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, December, 2022

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, August, 2022

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, January, 2022

Academic Staff Examination, Academic Staff Examination, Karadeniz Teknik Üniversitesi, January, 2022

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, July, 2021

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, February, 2021

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, February, 2021

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2021

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2021

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, October, 2020

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, September, 2020

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, September, 2020

Academic Staff Examination, Academic Staff Examination, Karadeniz Teknik Üniversitesi, July, 2020

Doctoral Examination, Doktora Yeterlik Sınav Komitesi Üyesi, KTÜ, Elektrik-Elektronik Mühendisliği, January, 2020

Academic Staff Examination, Öğretim Görevlisi Sınavı, KTÜ-A.Kanca MYO, January, 2020

Post Graduate, Yüksek Lisans Tez Savunma Jüri Üyeliği, Karadeniz Teknik Üniversitesi, October, 2019

Academic Staff Examination, Öğretim Görevlisi Sınavı, KTÜ-Trabzon MYO, February, 2019

Doctoral Examination, Doktora Yeterlik Sınavı, KTÜ, Elektrik-Elektronik Mühendisliği, February, 2019

Appointment to Academic Staff-Assistant Professorship, Doktor Öğretim Üyeliğine Atanma, Recep Tayyip Erdoğan Üniv., August, 2018

Appointment to Academic Staff-Assistant Professorship, Yardımcı Doçent Kadrosuna Atama Jürisi, Artvin Çoruh Üniversitesi, November, 2017

Doctorate, Doktora Tez Savunması Jüri Üyeliği, Karadeniz Teknik Üniversitesi, July, 2017

Academic Staff Examination, Yardımcı Doçent Alımı Jüri Üyeliği, RTE Üniversitesi, Mayıs 2014, Recep Tayyip Erdoğan Üniversitesi, May, 2014

Academic Staff Examination, Öğretim Görevlisi Sınavı, KTÜ-Sürmene A. Kanca MYO, Şubat 2014), Karadeniz Teknik Üniversitesi, February, 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Performance Comparison of Wireless Body Area Network Protocol with Dual Carrier Modulations**
Karan Y., Kahveci S.
Journal of Communications Technology and Electronics, vol.68, no.5, pp.527-539, 2023 (SCI-Expanded)
- II. **Evaluation of 5G Cell Types through Channel Models**
ÇİL A., KAHVECİ S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.67, no.8, pp.984-1009, 2022 (SCI-Expanded)
- III. **QPSK-dual carrier modulation for ultra-wideband communication in body area network channels**

Karan Y., Kahveci S.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.4, pp.2526-2540, 2019 (SCI-Expanded)

- IV. **Evaluation of energy efficiency of fifth generation mobile systems**
KAHVECİ S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.62, no.10, pp.1130-1135, 2017 (SCI-Expanded)
- V. **OFDM Performance of Ultra Wideband in Wireless Body Area Network Channel**
Karan Y., Sayli O., KAHVECİ S.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.574-576, 2017 (SCI-Expanded)
- VI. **Performance of parallel concatenated zigzag codes for different segment length**
Kahveci S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.60, no.8, pp.895-899, 2015 (SCI-Expanded)
- VII. **Performance of Parallel Concatenated Zigzag Codes for Different Segment Length**
KAHVECİ S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.60, no.8, pp.895-899, 2015 (SCI-Expanded)
- VIII. **Wireless cooperative communication with simple coding**
Kahveci S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.59, no.12, pp.1390-1392, 2014 (SCI-Expanded)
- IX. **Wireless Cooperative Communication with Simple Coding**
KAHVECİ S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.59, no.12, pp.1390-1392, 2014 (SCI-Expanded)
- X. **Adaptive rate Zigzag coding in interference channels**
Kahveci S.
TELECOMMUNICATION SYSTEMS, vol.57, no.3, pp.223-228, 2014 (SCI-Expanded)
- XI. **Relaying methods with high coding rate for wireless communications**
Kahveci S.
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.58, no.12, pp.1235-1240, 2013 (SCI-Expanded)
- XII. **Performance of the Bluetooth system with bit-interleaved turbo coded modulation on interference channels**
Kahveci S.
DIGITAL SIGNAL PROCESSING, vol.22, no.6, pp.1113-1117, 2012 (SCI-Expanded)
- XIII. **Performance analysis of zigzag-coded modulation scheme for WiMAX systems**
Kahveci S.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.349, no.9, pp.2717-2734, 2012 (SCI-Expanded)
- XIV. **Zigzag-Coded Modulation for High-Speed Fiber Optical Channels**
KAHVECİ S., Gong C., Wang X.
JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING, vol.4, no.5, pp.382-391, 2012 (SCI-Expanded)
- XV. **A channel detection technique based on Max-Log-MAP algorithm for wireless indoor system**
Kahveci S.
TELECOMMUNICATION SYSTEMS, vol.49, no.4, pp.345-353, 2012 (SCI-Expanded)
- XVI. **Turbo Code with Modified LLR and Performance Analysis for Bluetooth Packets in Indoor Environments**
KAHVECİ S., KAYA İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.54, no.2, pp.277-287, 2010 (SCI-Expanded)
- XVII. **The effect of the channel reliability factor in the MAP algorithm on turbo code performance in bluetooth systems**

KAHVECİ S., KAYA İ.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.18, no.2, pp.273-279, 2010
(SCI-Expanded)

XVIII. **Dynamic Look-Up-Table-Based Maximum A Posterior Probability Algorithm**

KAHVECİ S., TÜRK K., KAYA İ.

WIRELESS PERSONAL COMMUNICATIONS, vol.46, no.3, pp.317-328, 2008 (SCI-Expanded)

XIX. **Dynamic look-up-table-based maximum a posterior probability algorithm**

KAHVECİ S., KAYA İ., TÜRK K.

WIRELESS PERSONAL COMMUNICATIONS, vol.46, no.3, pp.317-328, 2008 (SCI-Expanded)

Articles Published in Other Journals

I. **Comparative analysis of dual carrier modulations with channel coding and space-time coding**

Karan Y., Kahveci S.

Turkish Journal of Electromechanics and Energy, vol.8, no.2, pp.77-84, 2023 (Peer-Reviewed Journal)

II. **A Digital Filter Design for Reactive Power Measurement**

Kahveci S.

Turkish Journal of Electrical Power and Energy Systems, vol.3, no.2, pp.69-75, 2023 (Peer-Reviewed Journal)

III. **Wireless Relay Communication with Coding**

KAHVECİ S.

International Journal of Advancements in Electronics and Electrical Engineering, vol.3, no.4, pp.9-12, 2014
(Scopus)

IV. **A CMF-DFE-Based Turbo Equalization for Wireless Communication Systems**

KAHVECİ S., KAYA İ.

Beykent University Journal of Science and Technology, no.1, pp.264-274, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Reaktif Güç Ölçümü İçin Bir Sayısal Filtre Tasarımı**

Yıldırım F., Kaya İ., Yüngül E. O., Kahveci S.

ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI (ELECO'22), Bursa, Turkey, 24 - 26
November 2022, pp.7-10

II. **5G Teknolojisi İçin Kodlama Tekniklerinin Karşılaştırılması**

Çakmak L., Kahveci S.

URSI-TÜRKİYE 2021 X. Bilimsel Kongresi, Gebze Teknik Üniversitesi, Kocaeli, Kocaeli, Turkey, 7 - 09 September
2021, pp.1-5

III. **EVALUATION OF 5G MACROCELL ACCORDING TO CHANNEL MODELS**

Çil A., Kahveci S.

International Conference on Electrical-Electronics and Computer Engineering (ICEECE'2021), Trabzon, Turkey, 24
- 25 July 2021, pp.10-15

IV. **Wireless relay communication with coding**

KAHVECİ S.

The International Conference On Advances in Computing, Electronics and Electrical Technology (CEET-2014),
Malaysia

V. **Concatenated Zigzag-coded Modulation for Fiber Optical Channels**

KAHVECİ S., Gong C., Wang X.

INCT 2012, Innovations on Communication Theory, İstanbul, Turkey, pp.3

VI. **Performance Evaluation of Turbo Coding For Bluetooth System Over AWGN and Wideband Channels**

KAHVECİ S., KAYA İ.

- 3rd International Symposium on Electrical, Electronics and Computer Engineering, Cyprus (Kkctc), pp.11
- VII. **Tek-Taşıyıcılı WiMax Radyonun 3.5 GHz'de BER Performansının Deneysel Olarak Elde Edilmesi (Experimental BER Performance Evaluation for Single-Carrier WiMax Radio in 3.5 GHz)**
TÜRK K., KAYA İ., KAHVECİ S.
IEEE 17th Signal Processing and Communications Applications (SIU 2009), İzmir, Turkey, pp.400
- VIII. **Carrier offset compensation for Bluetooth signals**
KAHVECİ S., KAYA İ.
IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, pp.29
- IX. **Sualtı Akustik Haberleşme Sistemi Simülasyonu**
KAHVECİ S., Boyalı M.
VI. URSI-Türkiye'2012 Bilimsel Kongresi ve Ulusal Genel Kurul Toplantısı,, İstanbul, Turkey
- X. **Zikzak (Zigzag) ve Birleşik Zikzak Kodlar**
KAHVECİ S.
3. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, pp.394
- XI. **Computational Complexity in Advanced Coding (İleri Seviyeli Kodlarda Hesaplama Karmaşıklığı)**
BOĞA A. Y., KAHVECİ S.
6th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2019), Antalya, Turkey, 23 - 27 October 2019, pp.4-7
- XII. **Audio-Text Convertor For Five Recorded Commands**
Efe S., KAHVECİ S.
27. IEEE SİNYAL İŞLEME VE İLETİŞİM UYGULAMALARI KURULTAYI (SIU'19), Sivas, Turkey, 24 - 26 April 2019, pp.12-17
- XIII. **Extraction of Theoretical Bit and Symbol Error Rates of Dual Carrier Modulation with QPSK**
Karan Y., KAHVECİ S.
27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, 24 - 26 April 2019
- XIV. **5G Teknolojisindeki Hücre Yapıların Yol Kayıpları (Path Losses of Cell Structures in 5G Technology)**
ÇİL A., KAHVECİ S.
ELECO 2018, Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı, Bursa, Turkey, 30 November - 01 December 2018, pp.438-442
- XV. **Some Challenges Foreseen in 5G Technology**
Çil A., Kahveci S.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XVI. **Dual Carrier Modulation Ultra-wideband Communication in Body Area Network Channel**
Karan Y., KAHVECİ S.
I S M S I T 2017, Tokat, Turkey, 2 - 04 November 2017, pp.22
- XVII. **UWB Communication Using BPSK Modulation**
KAHVECİ S., Rajaby M. E.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1324-1327
- XVIII. **OFDM Performance of Ultra Wideband in Wireless Body Area Network Channel**
Karan Y., Şaylı O., KAHVECİ S.
3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2016), Antalya, Turkey, 19 - 24 October 2016, pp.14-18
- XIX. **The effects of channel characteristics on relay behavior and position in cooperative communications**
KAHVECİ S., Maniragaba J.
3rd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2016), Antalya, Turkey, 19 - 24 October 2016, pp.43-47
- XX. **LMS and RLS Equalizer Performances of Ultra Wideband System in Body Area Network Channel**
Karan Y., KAHVECİ S.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.285-288

- XXI. **The Effects of Segment Length on Zigzag Code Performance**
KAHVECİ S.
2nd International Conference on Computational and Experimental Science and Engineering (ICCESEN2015), Antalya, Turkey, 14 - 19 October 2015, pp.129-133
- XXII. **Mikrodenetleyici ile Kablosuz Isıl Çift Ölçümü (Wireless Measurement of Thermocouple with Microcontroller)**
KAHVECİ S., Karan Y.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), Malatya, Turkey, 16 - 19 May 2015, pp.24-27
- XXIII. **Wireless Measurement of Thermocouple with Microcontroller**
Karan Y., KAHVECİ S.
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.120-123
- XXIV. **SOME COOPERATIVE RELAYING TECHNIQUES FOR WIRELESS COMMUNICATION SYSTEMS**
Kahveci S.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1690-1693
- XXV. **High Coded Rate Relaying Methods for Wireless Communication Systems**
KAHVECİ S.
1st International Conference on Telecommunication Systems and Networks (MIC-Telecom 2013), Barcelona, Spain, 20 - 22 December 2013, pp.21-25
- XXVI. **WiMAX SİSTEMİNDE ZİKZAK KODLU YÜKSEK SEVİYELİ MODÜLASYONLARIN PERFORMANSLARI (PERFORMANCES OF ZIGZAG CODING WITH HIGH-LEVEL MODULATIONS ON WIMAX SYSTEM)**
KAHVECİ S.
IEEE 20th Signal Processing and Communications Applications, Kayseri, Turkey, 18 - 20 April 2012, pp.13-17
- XXVII. **Birleşik Zikzak Kod Performansında Serpiştiricinin Rolü (Interleave Roles on Performance of the Concatenated Zigzag Code)**
KAHVECİ S.
IEEE 18th Signal Processing and Communications Applications (SIU 2010), Diyarbakır, Turkey, 22 - 24 April 2010, pp.582-585
- XXVIII. **Experimental BER performance evaluation for single-carrier WiMax radio in 3.5 GHz Tek-taşıyıcılı WiMax radyonun 3.5 GHz'de BER performansının deneysel olarak elde edilmesi**
TÜRK K., KAYA İ., KAHVECİ S., Şimşek C., YAZGAN A.
2009 IEEE 17th Signal Processing and Communications Applications Conference, SIU 2009, Antalya, Turkey, 9 - 11 April 2009, pp.400-403
- XXIX. **Experimental BER Performance Evaluation for Single-Carrier WiMax Radio in 3.5 GHz**
TÜRK K., KAYA İ., KAHVECİ S., Simsek C., YAZGAN A.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.642-645
- XXX. **Implementation of initialized LMS equalizer using TI C6201 DSP processors İlkendirilmiş LMS denkleştiricisinin TI C6201 DSP işlemcisi kullanarak gerçekleştirilmesi**
TÜRK K., KAYA İ., KAHVECİ S.
2007 IEEE 15th Signal Processing and Communications Applications, SIU, Eskişehir, Turkey, 11 - 13 June 2007
- XXXI. **Implementation of initialized LMS equalizer using TI c6201 DSP processors**
TÜRK K., KAYA İ., KAHVECİ S.
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.1079-1082
- XXXII. **Bluetooth Sisteminde Look-Up Tablolarına (LUT) Dayalı En Büyük Sonsal Olasılık (MAP) Kod Çözücüsünün Başarıma Etkileri 802.15.4 (ZigBee) Standardının 2.4 GHz ISM Bandında Kapasite**
Kahveci S., Türk K., Kaya İ.
URSI, Ankara, Turkey, 1 - 04 September 2006, pp.480-483
- XXXIII. **Carrier offset compensation for bluetooth signals**

- KAHVECİ S., KAYA İ.
IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.29-30
- XXXIV. **Elektrokardiyogram İşaretinin Kablosuz İletimi**
KAHVECİ S., SAFRAN M., ÇAKIR O., KAYA İ.
Elektrik Elektronik Bilgisayar Mühendisliği Ulusal Kongresi, İstanbul, Turkey, 1 - 03 August 2005, vol.11, pp.86-90
- XXXV. **IEEE 802.15.4 (ZigBee) Standardının 2.4 GHz ISM Bandında Kapasite, URSI İkinci Ulusal Kongresi**
Kahveci S., Kaya İ., Türk K.
URSI, Ankara, Turkey, 1 - 03 September 2004, pp.170-172
- XXXVI. **Seçici Sönümlmeli Kanallarda Çoklu Anten Sistemi İçin RLS ve LMS Esaslı Uyarlanır Denkleştiriciler**
Türk K., Kaya İ., Kahveci S.
URSI, Ankara, Turkey, 1 - 03 September 2004, pp.288-290

Supported Projects

- KAHVECİ S., TUBITAK Project, 5G Teknolojisinde Hücreler-Arası Girişimin Azaltılması, 2018 - Continues
- KAHVECİ S., TUBITAK Project, Zikzak-Kodlu İşbirlikli Bir Haberleşme Sisteminin Tasarımı ve Performans Analizi, 2017 - Continues
- Kılıç B., Kahveci S., TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, 2023 - 2024
- Kahveci S., Büyükyahşi T., TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, 2023 - 2024
- Kahveci S., Yıldırım F., TUBITAK Project, 2209-B Üniversite Öğrencileri Sanayiye Yönelik Araştırma Projeleri Destekleme Programı, 2021 - 2022
- KAHVECİ S., TUBITAK Project, Hava Yastığı Yardımıyla Koruyucu Telefon Kılıfı, 2016 - 2017
- KAHVECİ S., Project Supported by Higher Education Institutions, Wimax İçin Modülasyon ve Kodlama Tekniklerinin Analizi, 2011 - 2013
- KAHVECİ S., Project Supported by Higher Education Institutions, Bina İçeri Kablosuz Haberleşme Sistemleri İçin Kör Bir İteratif Dekodlama Algoritması Geliştirmek, 2009 - 2010

Activities in Scientific Journals

- Turkish Journal of Electrical Engineering & Computer Science, Assistant Editor/Section Editor, 2015 - Continues
- Turkish Journal of Electrical Engineering & Computer Science , Assistant Editor/Section Editor, 2011 - Continues
- IET Electronics Letters, Special Issue Editor, 2018 - 2019

Memberships / Tasks in Scientific Organizations

- TheIREN Senior Member (Institute of Research Engineers and Doctors), Member, 2014 - Continues
- The OSA member (The Optical Society), Member, 2013 - Continues
- IEEE Member, Member, 2006 - Continues

Scientific Refereeing

- IEEE SENSORS JOURNAL, SCI Journal, July 2024
- INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, June 2024
- TUBITAK Project, 1501 - Industry R & D Projects Support Program, Sanayi Şirketi, Turkey, June 2024
- JOURNAL OF THE FRANKLIN INSTITUTE, SCI Journal, April 2024
- JOURNAL OF THE FRANKLIN INSTITUTE, SCI Journal, February 2024

WIRELESS NETWORKS, SCI Journal, December 2023
TUBITAK Project, 1501 - Industry R & D Projects Support Program, KOBİ, Turkey, December 2023
JOURNAL OF THE FRANKLIN INSTITUTE, SCI Journal, November 2023
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Karadeniz Technical University, Turkey, November 2023
WIRELESS NETWORKS, SCI Journal, October 2023
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Karadeniz Technical University, Turkey, July 2023
ELECTRONICS LETTERS, SCI Journal, April 2023
WIRELESS NETWORKS, SCI Journal, January 2023
IET Communications, SCI Journal, October 2022
ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI, Conference Paper (Full Text), October 2022
IET Electronics Letters, Journal Indexed in SCI-E, September 2022
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, August 2022
JOURNAL OF COMMUNICATIONS AND NETWORKS, SCI Journal, August 2022
International Journal of Communication, SCI Journal, July 2022
Iet Communications, SCI Journal, July 2022
ELECO 2022, Conference Paper (Full Text), May 2022
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Karadeniz Technical University, Turkey, May 2022
Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Karadeniz Technical University, Turkey, May 2022
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Karadeniz Technical University, Turkey, May 2022
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Karadeniz Technical University, Turkey, April 2022
30. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Safranbolu/Türkiye, Conference Paper (Full Text), March 2022
ELECTRONICS LETTERS, SCI Journal, February 2022
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Karadeniz Technical University, Turkey, February 2022
International Journal Of Communication Systems, SCI Journal, December 2021
IET COMMUNICATIONS, SCI Journal, December 2021
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, December 2021
WIRELESS NETWORKS, SCI Journal, November 2021
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Karadeniz Technical University, Turkey, October 2021
WIRELESS NETWORKS, SCI Journal, September 2021
X. URSI-TÜRKİYE 2021 BİLİMSEL KONGRESİ, Conference Paper (Full Text), September 2021
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Karadeniz Technical University, Turkey, September 2021
ELECTRONICS LETTERS, SCI Journal, August 2021
WIRELESS NETWORKS, SCI Journal, July 2021
29. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Conference Paper (Full Text), June 2021
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, Journal Indexed in SCI-E, June 2021
IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC-2021), Conference Paper (Full Text), May 2021
IEEE Global Communications Conference, Conference Paper (Full Text), May 2021
IET COMMUNICATIONS, SCI Journal, April 2021
WIRELESS PERSONAL COMMUNICATIONS, SCI Journal, April 2021
Wireless Networks, Journal Indexed in SCI-E, April 2021
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, Journal Indexed in SCI-E, March 2021
International Journal Of Communication Systems, SCI Journal, February 2021
Wireless Personal Communications, SCI Journal, March 2020
IET Electronics Letters, SCI Journal, February 2020

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IET Electronics Letters, SCI Journal, January 2020
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IET Electronics Letters, SCI Journal, November 2019
IEEE Communications Magazine, SCI Journal, September 2019
IET Communications, SCI Journal, September 2019
IET Electronics Letters, SCI Journal, September 2019
IET Electronics Letters, SCI Journal, August 2019
International Journal of Communication Systems (IJCS), SCI Journal, June 2019
Radarlar, Other Journals, June 2019
IET Electronics Letters, SCI Journal, June 2019
IET Communications, SCI Journal, June 2019
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, June 2019
IET Electronics Letters, SCI Journal, May 2019
IEEE Communications Magazine, SCI Journal, April 2019
IET Communications, SCI Journal, April 2019
IET Electronics Letters, SCI Journal, April 2019
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, April 2019
International Journal of Sensors, Wireless Communications and Control, Other Indexed Journal, April 2019
International Journal of Communication Systems (IJCS), SCI Journal, April 2019
IET Electronics Letters, SCI Journal, March 2019
IEEE Communications Magazine, SCI Journal, March 2019
IET Communications, SCI Journal, March 2019
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IET Electronics Letters, SCI Journal, February 2019
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, February 2019
International Journal of Communication Systems (IJCS), SCI Journal, February 2019
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IEEE Communications Magazine, SCI Journal, January 2019
IET Electronics Letters, SCI Journal, January 2019
Wireless Personal Communications, SCI Journal, December 2018
IET Electronics Letters, SCI Journal, November 2018
GAZI UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, November 2018
IET Communications, SCI Journal, November 2018
IET Electronics Letters, SCI Journal, November 2018
Wireless Personal Communications, SCI Journal, November 2018
IEEE Communications Letters, SCI Journal, November 2018
Wireless Networks (WINE), SCI Journal, November 2018
TUBITAK Project, November 2018
November 2018
IET Wireless Sensor Systems, SCI Journal, October 2018
IET Electronics Letters, SCI Journal, October 2018
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Ar-Me Merkezi, Other Journals, September 2018
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, September 2018
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Radioengineering, SCI Journal, July 2018
Sanayi Ar-Ge Proje İzleyiciliği, Other Journals, July 2018
TUBITAK Project, July 2018
Wireless Networks (WINE), SCI Journal, June 2018
IET Electronics Letters, SCI Journal, May 2018
IEEE Internet of Things Journal, SCI Journal, May 2018
IEEE Communications Letters, SCI Journal, April 2018
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TUBITAK Project, October 2017
IET Signal Processing, SCI Journal, September 2017
Project Supported by Higher Education Institutions, September 2017
IET Electronics Letters, SCI Journal, August 2017
IET Electronics Letters, SCI Journal, July 2017
IEEE Access, SCI Journal, June 2017
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The Journal of Engineering, SCI Journal, January 2017
IET Electronics Letters, SCI Journal, January 2017
IET Signal Processing, SCI Journal, December 2016
International Journal of Infrared, Millimeter, and Terahertz Waves, SCI Journal, December 2016
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IET Electronics Letters, SCI Journal, July 2016
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Telecommunication Computing Electronics and Control (TELKOMNIKA), SCI Journal, June 2016
IET Signal Processing, SCI Journal, June 2016
IET Electronics Letters, SCI Journal, June 2016
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The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, SCI Journal, June 2016
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International Journal of Communication Systems, SCI Journal, May 2016
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IET Signal Processing, SCI Journal, August 2015
The International Journal for Computation and Mathematics in Electrical and Electronic Engineering., SCI Journal, July 2015
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IET Electronics Letters, SCI Journal, June 2015
COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, SCI Journal, June 2015
IET Electronics Letters, SCI Journal, May 2015
COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, SCI Journal, May 2015
IET Journal of Engineering , SCI Journal, June 2014
Journal of the Franklin Institute , SCI Journal, October 2013
IEEE Transactions on Communications, SCI Journal, June 2013
Recent Patents on Electrical Engineering , Other Indexed Journal, June 2011
IEEE/OSA Journal of Lightwave Technology , SCI Journal, April 2011
IET Signal Processing , SCI Journal, July 2010
Radioengineering, SCI Journal, July 2010
Turkish Journal of Electrical Engineering & Computer Science , SCI Journal, April 2010
International Journal of Communication Systems (IJCS) , SCI Journal, March 2010
COMPEL-The International Journal for Computation and Mathematics in Electrical and Electronic Engineering , SCI Journal, September 2009
IEEE Communications Letters , SCI Journal, May 2009
IET Electronics Letters , SCI Journal, March 2009
Digital Signal Processing , SCI Journal, March 2009
Wireless Communications and Mobile Computing , SCI Journal, February 2008
IET Communications, SCI Journal, January 2008

Tasks In Event Organizations

Kahveci S., IEEE Global Communications Conference, Scientific Congress, Cape-Town, South Africa, Aralık 2024
Kahveci S., AI-native 6G Radio Interfaces: Greatest Hype or Hope?, Workshop Organization, Barcelona, Spain, Temmuz 2024
Kahveci S., IEEE International Black Sea Conference on Communications and Networking, Scientific Congress, Tbilisi, Georgia, Haziran 2024
Kahveci S., 32. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2024), Scientific Congress, Mersin, Turkey, Mayıs 2024
Kahveci S., IEEE GLOBECOM 2023, 4-8 December 2023, Kuala Lumpur, Malaysia , Scientific Congress, Kuala-Lumpur, Malaysia, Aralık 2023
Kahveci S., 14th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING (ELECO 2023), Scientific Congress, Bursa, Turkey, Aralık 2023
Kahveci S., 31. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), İstanbul Teknik Üniversitesi,, Scientific

Congress, İstanbul, Turkey, Temmuz 2023

Kahveci S., IEEE Global Communications Conference'22, Scientific Congress, Rio De Janeiro, Brazil, Aralık 2022

Kahveci S., ELEKTRİK-ELEKTRONİK ve BİYOMEDİKAL MÜHENDİSLİĞİ KONFERANSI (ELECO-2022), Scientific Congress, Bursa, Turkey, Kasım 2022

Kahveci S., 30. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU'22), Scientific Congress, Karabük, Turkey, Mayıs 2022

Metrics

Publication: 59

Citation (WoS): 53

Citation (Scopus): 31

H-Index (WoS): 6

H-Index (Scopus): 4

Congress and Symposium Activities

Limitless? What can we really expect from 5G?, Attendee, New-York, United States Of America, 2020

Physical Layer Modeling Principles of 5G New Radio, Attendee, United States Of America, 2020

Physical Layer Modeling Principles of 5G Radio, Attendee, United States Of America, 2019

5G - Recent Advance and Future Evolution, Attendee, New-York, United States Of America, 2019

Beam Management for mmWave 5G New Radio Systems, Attendee, New-York, United States Of America, 2019

Visible Light Communications: The High Bandwith Alternative to Wi-Fi, Attendee, New-York, United States Of America, 2019

Hybrid Beamforming for 5G Millimeter Wave Systems, Attendee, New-York, United States Of America, 2019

Efficient DSP and Circuit Architectures for Massive MIMO: State of the Art and Future Directions, Attendee, New-York, United States Of America, 2019

Perspectives on the Wireless Century 5G/Internet of Things (IoT) and 6G/Internet of InVivo Things (IoIT), Attendee, New-York, United States Of America, 2019

IEEE Future Networks International 5G Technology Workshop, Attendee, India, 2018

Designing Energy Efficient 5G Networks: When Massive Meets Small, Attendee, California, United States Of America, 2018

How Radar and Wireless Systems Coexist: An Analysis From Spectrum Sharing to New Regulations, Attendee, Arizona, United States Of America, 2018

Understanding Ultra Low-Latency in 5G Cellular, Attendee, United States Of America, 2018

Recent Progress and Future Evolution of Massive MIMO for cm-wave and mm-wave Bands, Attendee, Ohio, United States Of America, 2018

5G Enabling Technologies: MIMO, Multiuser MIMO, and Massive MIMO, Attendee, Colorado, United States Of America, 2018

Making 5G New Radio (NR) a Reality – The Global 5G Standard, Attendee, New Jersey, United States Of America, 2018

Meeting the Challenges of the Protocol Level Issues for 5G Networks, Attendee, Arizona, United States Of America, 2017

Massive MIMO for 5G: How Big Can it Get?, Attendee, New York, United States Of America, 2017

1st International Symposium on Multidisciplinary Studies and Innovative Technologies (I S M S I T 2017), Attendee, Tokat, Turkey, 2017

Ar-Ge ve Tasarım Merkezleri Tanıtım ve Bilgilendirme Toplantısı, Attendee, Trabzon, Turkey, 2017

RF Technology for 5G Radio Base Stations, Attendee, Turkey, 2017

IEEE ComSoc 5G Webinar Series: Performance Requirements for 5G Antennas, Attendee, New York, United States Of America, 2016

18. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Attendee, Ankara, Turkey, 2016

MMWAVE: NEXT-GENERATION WIRELESS PROTOTYPING, Attendee, New Jersey, United States Of America, 2016

AR-GE MERKEZLERİ HAKEM BİLGİLENDİRME SEMİNERİ, Attendee, Ankara, Turkey, 2016
Realizing 5G: Device-Centric Design in a New Spectral Landscape, Attendee, Turkey, 2015
Elsevier Bilimsel Araştırma Çözümleri ve Yazar Semineri, Attendee, Trabzon, Turkey, 2015
17. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı (FOTONİK-2015), Attendee, Ankara, Turkey, 2015
Editör ve Yazar Eğitim Semineri, Attendee, TRABZON, Turkey, 2015
XIX. Bilgisayar Destekli Mühendislik ve Sistem Modelleme Konferansı (Havacılıkta Ar-Ge ve Milli Uçak Projesi, Attendee, Ankara, Turkey, 2015
Biyofotonik ve Biyomems'te Yeni Gelişmeler Çalıştayı (Current Trends in Biophotonics and Biomems Workshop), Attendee, İstanbul, Turkey, 2014
HAVELSAN Üniversite-Sanayi İşbirliği Buluş-tayı, Attendee, Ankara, Turkey, 2014
Proje Park'14 Ar-Ge Proje Pazarı Organizasyonu, Attendee, Kayseri, Turkey, 2014
18. Bilgisayar Destekli Mühendislik ve Sistem Modelleme Konferansı-(Otomotiv Elektronikleri Savunma Sanayimizden Teknoloji Transferi), Attendee, İstanbul, Turkey, 2014
SIU-2014 (IEEE 22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı), Session Moderator, Trabzon, Turkey, 2014
Design and Simulation of Communication and Radar Systems, Attendee, İstanbul, Turkey, 2014
14. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı (FOTONİK-2012), Attendee, İstanbul, Turkey, 2012
Polar Codes and Power Blackouts, Attendee, New York, United States Of America, 2011
Cooperative Strategies for Sharing Radio Resources, Attendee, New York, United States Of America, 2011
Channel Coding: Non-asymptotic Fundamental Limits, Attendee, New York, United States Of America, 2011
Optimizing 802.11 mesh networks, Attendee, New York, United States Of America, 2011
Green Cellular Networks: A Survey, Some Research Issues and Challenges, Attendee, New York, United States Of America, 2011
The Smart Grid: Power for the 21st Century, Attendee, New York, United States Of America, 2011
Network Coding for Error Correction and Security, Attendee, New York, United States Of America, 2010
Military Application of Space-Time Adaptive Processing, Attendee, İstanbul, Turkey, 2002
Special Topics on Advanced Communication Technologies, Attendee, Antalya, Turkey, 2002

Scholarships

2219-Yurt Dışı Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2010 - Continues
Lisans Bursu, Foundation, 1993 - Continues

Awards

Kahveci S., Reviewer Certificate, Journal Of The Franklin Institute, December 2023
Kahveci S., Reviewer Certificate, Iet Communications, March 2022
Kahveci S., Reviewer Certificate, Electronics Letters, March 2022
Kahveci S., Reviewer Certificate, International Journal Of Communication Systems, February 2022
Kahveci S., Turkish Journal of Electrical Engineering and Computer Sciences Dergisinde Hakemlik Hizmeti Ödülü, Tübitak, March 2020
KAHVECİ S., Reviewer Certificate, International Journal of Communication Systems, Editorial Office, February 2020
KAHVECİ S., REVIEWER CERTIFICATE, International Journal of Communication Systems, Editorial Office, July 2019
KAHVECİ S., Reviewer Certificate, International Journal of Communication Systems, Editorial Office, March 2018
KAHVECİ S., Reviewer Certificate, International Journal of Communication Systems, Editorial Office, June 2017

Non Academic Experience

Columbia University, Department of Electrical Engineering