

## Prof. SALİM KAHVECİ

### Personal Information

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**Address:** Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 61080, TRABZON

### 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

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

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

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

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

Post Graduate, Sesin Kod Uyarmalı Doğrusal Öngörüllü 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 Mühendisliği, 2020 - Continues

Associate Professor, Karadeniz Technical University, Müh. Fak., Elektrik-Elektronik, 2014 - 2020

Assistant Professor, Karadeniz Technical University, Müh. Fak., Elektrik-Elektronik, 2008 - 2014

Lecturer PhD, Karadeniz Technical University, Müh. Fak., Elektrik-Elektronik, 2006 - 2008  
Lecturer, Karadeniz Technical University, Müh. Fak., Elektrik-Elektronik, 2005 - 2006  
Research Assistant, Karadeniz Technical University, Müh. Fak., Elektrik-Elektronik, 1997 - 2005

## Professional Experience

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

## Courses

Mühendislik Tasarımı-I, Under Graduate, 2017 - 2018  
Birleşik Kod Çözücüler, Doctorate, 2015 - 2016  
Kablosuz Kişisel Alan Ağları: Bluetooth, Post Graduate, 2012 - 2013  
Elektromanyetik Alanlar, Under Graduate, 2012 - 2013  
Sayısal Çözümleme, Under Graduate, 2012 - 2013  
Turbo Kodlama ve Denkleştirme, Post Graduate, 2012 - 2013

## Advising Theses

KAHVECİ S., UGB HABERLEŞME SİSTEMİNİN PERFORMANS ANALİZİ VE GERÇEKLEŞTİRİLMESİ, Doctorate, Y.KARAN(Student), Continues  
KAHVECİ S., Adaptive Spatial Modulation in Fading Channels, Post Graduate, A.AKBARLI(Student), Continues  
KAHVECİ S., AKUSTİK PASİF RADARLAR, Doctorate, F.ÇAKIR(Student), Continues  
KAHVECİ S., GELECEK NESİL KABLOSUZ HABERLEŞME SİSTEMLERİNDE TRAFİK ANALİZİ, Post Graduate, E.ŞAHİN(Student), Continues  
Kahveci S., 5G KABLOSUZ HABERLEŞME TEKNOLOJİSİNDE HÜCRE YAPILARININ İNCELENMESİ, Post Graduate, A.ÇİL(Student), 2021  
KAHVECİ S., THE EFFECTS OF CHANNEL CHARACTERISTICS ON RELAY BEHAVIOR AND POSITION IN COOPERATIVE COMMUNICATIONS, Post Graduate, J.MANIRAGABA(Student), 2016

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Karadeniz Teknik Üniversitesi, February, 2021  
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2021  
Associate Professor Exam, Associate Professor Exam, 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  
Academic Staff Examination, Öğretim Görevlisi Sınavı, KTÜ-A.Kanca MYO, January, 2020  
Doctoral Examination, Doktora Yeterlik Sınav Komitesi Üyesi, KTÜ, Elektrik-Elektronik Mühendisliği, January, 2020  
Post Graduate, Yüksek Lisans Tez Savunma Jüri Üyeliği, Karadeniz Teknik Üniversitesi, October, 2019  
Doctoral Examination, Doktora Yeterlik Sınavı, KTÜ, Elektrik-Elektronik Mühendisliği, February, 2019  
Academic Staff Examination, Öğretim Görevlisi Sınavı, KTÜ-Trabzon MYO, February, 2019  
Appointment Academic Staff, Doktor Öğretim Üyeliğine Atanma, Recep Tayyip Erdoğan Üniv., August, 2018

Appointment Academic Staff, 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

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

- I. **QPSK-dual carrier modulation for ultra-wideband communication in body area network channels**  
Karan Y., KAHVECİ S.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.4, pp.2526-2540, 2019 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **Wireless cooperative communication with simple coding**  
Kahveci S.  
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.59, no.12, pp.1390-1392, 2014 (Journal Indexed in SCI)
- VII. **Wireless Cooperative Communication with Simple Coding**  
KAHVECİ S.  
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, vol.59, no.12, pp.1390-1392, 2014 (Journal Indexed in SCI)
- VIII. **Adaptive rate Zigzag coding in interference channels**  
Kahveci S.  
TELECOMMUNICATION SYSTEMS, vol.57, no.3, pp.223-228, 2014 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **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 (Journal Indexed in SCI)

- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Wireless Relay Communication with Coding**  
KAHVECİ S.  
International Journal of Advancements in Electronics and Electrical Engineering, vol.3, no.4, pp.9-12, 2014 (Refereed Journals of Other Institutions)
- II. **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 (International Refereed University Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Sualtı Akustik Haberleşme Sistemi Simülasyonu**  
KAHVECİ S., Boyalı M.  
VI. URSI-Türkiye'2012 Bilimsel Kongresi ve Ulusal Genel Kurul Toplantısı,, İstanbul, Turkey
- II. **Carrier offset compensation for Bluetooth signals**  
KAHVECİ S., KAYA İ.  
IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, pp.29
- III. **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
- 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. **Zikzak (Zigzag) ve Birleşik Zikzak Kodlar**  
KAHVECİ S.  
3. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, pp.394
- VIII. **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 (ICCESSEN-2019), Antalya, Turkey, 23 - 27 October 2019, pp.4-7
- IX. **Audio-Text Converter 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
- X. **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
- XI. **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
- XII. **Some Challenges Foreseen in 5G Technology**  
ÇİL A., KAHVECİ S.  
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XIII. **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
- XIV. **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
- XV. **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 (ICCESSEN-2016), Antalya, Turkey, 19 - 24 October 2016, pp.14-18
- XVI. **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 (ICCESSEN-2016), Antalya, Turkey, 19 - 24 October 2016, pp.43-47
- XVII. **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
- XVIII. **The Effects of Segment Length on Zigzag Code Performance**  
KAHVECİ S.  
2nd International Conference on Computational and Experimental Science and Engineering (ICCESSEN2015),

Antalya, Turkey, 14 - 19 October 2015, pp.129-133

- XIX. **Mikrodenetleyici ile Kablosuz Isıl Çift Ölçümü (Wireless Measurement of Thermocouple with Microcontroller)**  
KAHVECİ S., Karan Y.  
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.24-27
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **Experimental BER Performance Evaluation for Single-Carrier WiMax Radio in 3.5 GHz**  
TÜRK K., KAYA İ., KAHVECİ S., Şimşek C., YAZGAN A.  
IEEE 17. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Antalya, Turkey, 9 - 11 April 2009, pp.400-403
- XXVII. **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
- XXVIII. **Implementation of initialized LMS equalizer using TI C6201 DSP processors İklendirilmiş 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
- XXIX. **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
- XXX. **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**  
KAHVECİ S., TÜRK K., KAYA İ.  
URSI, Ankara, Turkey, 1 - 04 September 2006, pp.480-483
- XXXI. **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
- XXXII. **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
- XXXIII. **IEEE 802.15.4 (ZigBee) Standardının 2.4 GHz ISM Bandında Kapasite, URSI İkinci Ulusal Kongresi**  
KAHVECİ S., KAYA İ., TÜRK K.  
URSI, Ankara, Turkey, 1 - 03 September 2004, pp.170-172
- XXXIV. **Seçici Sönümlmeli Kanallarda Çoklu Anten Sistemi İçin RLS ve LMS Esaslı Uyarlanır Denkleştiriciler**  
TÜRK K., KAYA İ., KAHVECİ 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  
KAHVECİ S., TUBITAK Project, Hava Yastığı Yardımıyla Koruyucu Telefon Kılıfı, 2016 - 2017

## Activities in Scientific Journals

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

## Memberships / Tasks in Scientific Organizations

- TheIRED 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

- INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, February 2021  
Wireless Personal Communications, SCI Journal, March 2020  
IET Electronics Letters, SCI Journal, February 2020  
TUBITAK Project, February 2020  
IET Electronics Letters, SCI Journal, January 2020  
IET Electronics Letters, SCI Journal, December 2019  
TUBITAK Project, December 2019  
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  
IET Electronics Letters, SCI Journal, June 2019  
IET Communications, SCI Journal, June 2019  
International Journal of Communication Systems (IJCS), SCI Journal, June 2019

Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, June 2019  
Radarlar, Other Journals, June 2019  
IET Electronics Letters, SCI Journal, May 2019  
International Journal of Sensors, Wireless Communications and Control, Other Indexed Journal, April 2019  
IET Electronics Letters, SCI Journal, April 2019  
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, April 2019  
IEEE Communications Magazine, SCI Journal, April 2019  
International Journal of Communication Systems (IJCS), SCI Journal, April 2019  
IET Communications, SCI Journal, April 2019  
IET Electronics Letters, SCI Journal, March 2019  
IEEE Communications Magazine, SCI Journal, March 2019  
IET Communications, SCI Journal, March 2019  
TUBITAK Project, March 2019  
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  
TUBITAK Project, February 2019  
IEEE Communications Magazine, SCI Journal, January 2019  
IET Electronics Letters, SCI Journal, January 2019  
Wireless Personal Communications, SCI Journal, December 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  
IET Electronics Letters, SCI Journal, November 2018  
GAZI UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, November 2018  
November 2018  
TUBITAK Project, November 2018  
IET Wireless Sensor Systems, SCI Journal, October 2018  
IET Electronics Letters, SCI Journal, October 2018  
October 2018  
Ar-Me Merkezi, Other Journals, September 2018  
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, September 2018  
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, September 2018  
IET Electronics Letters, SCI Journal, September 2018  
Wireless Networks (WINE), SCI Journal, September 2018  
IET Electronics Letters, SCI Journal, August 2018  
IET Electronics Letters, SCI Journal, August 2018  
Wireless Networks (WINE), SCI Journal, August 2018  
IET Communications, SCI Journal, August 2018  
TUBITAK Project, August 2018  
IEEE Communications Letters, SCI Journal, July 2018  
International Journal of Communication Systems (IJCS), SCI Journal, July 2018  
IET Electronics Letters, SCI Journal, July 2018  
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



IET Electronics Letters, SCI Journal, April 2018  
IET Electronics Letters, SCI Journal, April 2018  
IEEE Communications Letters, SCI Journal, April 2018  
IET Electronics Letters, SCI Journal, March 2018  
Wireless Networks (WINE), SCI Journal, March 2018  
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, March 2018  
Wireless Personal Communications, SCI Journal, March 2018  
TUBITAK Project, March 2018  
TUBITAK Project, March 2018  
Radioengineering, SCI Journal, February 2018  
IET Electronics Letters, SCI Journal, February 2018  
IEEE Communication Letters, SCI Journal, February 2018  
IET Electronics Letters, SCI Journal, February 2018  
Wireless Networks (WINE), SCI Journal, February 2018  
IET Electronics Letters, SCI Journal, February 2018  
TUBITAK Project, February 2018  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , SCI Journal, January 2018  
IEEE Communications Letters, SCI Journal, January 2018  
IET Electronics Letters, SCI Journal, December 2017  
Turkish Journal of Electrical Engineering & Computer Science, SCI Journal, December 2017  
IET Electronics Letters, SCI Journal, October 2017  
Radioengineering, SCI Journal, October 2017  
Wireless Networks, SCI Journal, October 2017  
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  
IET Electronics Letters, SCI Journal, June 2017  
International Journal of Communication Systems, SCI Journal, June 2017  
Project Supported by Higher Education Institutions, June 2017  
TUBITAK Project, June 2017  
Wireless Networks (WINE), SCI Journal, May 2017  
TUBITAK Project, May 2017  
IET Electronics Letters, SCI Journal, April 2017  
Radioengineering, SCI Journal, April 2017  
IET Communications, SCI Journal, April 2017  
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IET Electronics Letters, SCI Journal, July 2016  
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COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, SCI Journal, June 2015  
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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  
Digital Signal Processing , SCI Journal, March 2009  
IET Electronics Letters , SCI Journal, March 2009  
Wireless Communications and Mobile Computing , SCI Journal, February 2008  
IET Communications, SCI Journal, January 2008

## **Invited 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 Bandwidth 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  
How Radar and Wireless Systems Coexist: An Analysis From Spectrum Sharing to New Regulations, Attendee, Arizona, United States Of America, 2018  
Designing Energy Efficient 5G Networks: When Massive Meets Small, Attendee, California, 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  
1st International Symposium on Multidisciplinary Studies and Innovative Technologies (I S M S I T 2017), Attendee,

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

## Citations

Total Citations (WOS):17

h-index (WOS):2

## Scholarships

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

Lisans Bursu, Foundation, 1993 - Continues

## Awards

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