

Personal Information

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Education Information

Doctorate, Yıldız Technical University, Faculty of Electrical & Electronics, Electronics And Communication Engineering, Turkey 2014 - 2019

Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektronik Ve Haberleşme Müh., Turkey 2012 - 2014

Under Graduate, Yıldız Teknik Üniversitesi, Elektronik Ve Haberleşme Müh., Turkey 2007 - 2011

Foreign Languages

Japanese, A2 Elementary

English, B2 Upper Intermediate

Research Areas

Electrical and Electronics Engineering, Electromagnetic, Electromagnetic Waves, Antennas and Propagation, Passive Microwave Circuits, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty of Electrical & Electronics, 2014 - Continues

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

- **A Novel Design of Non-Uniform Reflectarrays with Symbolic Regression and its Realization using 3-D Printer**
MAHOUTİ P., GÜNEŞ F., Belen M. A. , ÇALIŞKAN A.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.34, no.2, pp.280-285, 2019
(Journal Indexed in SCI)
- **Axially displaced elliptical reflector antenna design with a switchable feeder for ultra-wide band applications**
Kenan A. K. , ÇALIŞKAN A.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.12, pp.2141-2148, 2018 (Journal Indexed in SCI)
- **Modeling and Realization of Cavity-Backed Dual Band SIW Antenna**
Belen M. A. , Mahouti P., ÇALIŞKAN A., BELEN A.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.32, pp.974-978, 2017 (Journal Indexed in SCI)
- **Horn antennas with enhanced functionalities through the use of frequency selective surfaces**
Mahouti P., GÜNEŞ F., Belen M. A. , ÇALIŞKAN A., Demirel S., Sharipov Z.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.26, pp.287-293, 2016 (Journal Indexed in SCI)
- **Ultra-wide band antenna designs and numerical system modelling for forward-looking GPR**
TÜRK A. S. , Aksoy S., Keskin A. K. , Senturk M. D. , ÇALIŞKAN A., Ozakin M. B.

Articles Published in Other Journals

- **ISM Band Haberleşme Uygulamaları İçin Origami Anten Tasarımı**
Çalışkan A., Kızılay A., Belen M. A. , Mahouti P.
European Journal of Science and Technology, vol.2019, pp.785-791, 2019 (Refereed Journals of Other Institutions)
- **Subsurface and through-wall SAR imaging techniques for ground penetrating radar**
ÜNAL M., Caliskan A., Turk A. S. , Ozkan Bakbak P.
Technology and Design in Electronic Equipment, vol.37, pp.32-36, 2013 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Waveguide Slot-Fed Horn Antenna Array with Suppressed Sidelobes**
Yamaç Y. E. , Çalışkan A., Türk A. S. , Kızılay A.
Signal Processing Symposium, Krakow, Poland, 16 - 19 September 2019
- **24 GHz short range radar system measurements for synthetic aperture radar imaging**
ÇALIŞKAN A., YAMAÇ Y. E. , UYSAL H., TÜRK A. S. , KIZILAY A., Orhan M.
2017 IEEE Microwaves, Radar and Remote Sensing Symposium (MRRS), Kiev, Ukraine, Ukraine, 29 - 31 August 2017, pp.285-287
- **Design of Displaced and Circular Polarized Waveguide Slot Array Antenna with Dielectric for K-Band Radar Application**
Cumurcu O., ÇALIŞKAN A., YAMAÇ Y. E. , TÜRK A. S.
International Radar Symposium 2017, Prag, Czech Republic, 28 June 2017, pp.1
- **Experimental study of human respiratory detection using UWB GPR**
Büyükhhan C., Karamzadeh S., Orhan M., ÇALIŞKAN A., Cilesiz I.
4th International Conference on Electrical and Electronics Engineering, ICEEE 2017, Ankara, Turkey, 8 - 10 April 2017, pp.314-317
- **BACKGROUND SUBTRACTION TECHNIQUES TO DETECT HUMAN VITAL SIGNS USING UWB GPR**
BÜYÜKHAN C., KARAMZADEH S., ÇALIŞKAN A., Orhan M., CİLESİZ İ.
International Conference on Advanced Technology & Sciences, İstanbul, Turkey, 09 May 2017, pp.1-2
- **High Resolution Signal Processing Techniques for Millimeter Wave Short Range Surveillance Radar**
TÜRK A. S. , KIZILAY A., Orhan M., ÇALIŞKAN A.
IRS 2016 - 17th International Radar Symposium, 10 - 12 May 2016
- **Design and Realization of Dual Band Microstrip Monopole Antenna**
Mahouti P., GÜNEŞ F., Belen M. A. , ÇALIŞKAN A., Demirel S.
21st International Conference on Microwave, Radar and Wireless Communications (MIKON), Krakow, Poland, 9 - 11 May 2016
- **Design of Dielectric Lens Loaded Double Ridged Horn Antenna for Millimetre Wave Application**
Demirel S., ÇALIŞKAN A., Mersin M. T. , TÜRK A. S. , Belen M. A. , Mahouti P.
21st International Conference on Microwave, Radar and Wireless Communications (MIKON), Krakow, Poland, 9 - 11 May 2016
- **Microstrip SIW Patch Antenna Design for X band Application**
Belen M. A. , GÜNEŞ F., ÇALIŞKAN A., Mahouti P., Demirel S., YILDINM A.
21st International Conference on Microwave, Radar and Wireless Communications (MIKON), Krakow, Poland, 9 - 11 May 2016
- **Coplanar Stripline-Fed Microstrip Yagi-Uda Antenna for ISM Band Application**
ÇALIŞKAN A., GÜNEŞ F., Belen M. A. , Mahouti P., Demirel S.
21st International Conference on Microwave, Radar and Wireless Communications (MIKON), Krakow, Poland, 9 - 11 May 2016
- **Design of a Multiband Microstrip Patch Antenna with Defected Ground Structures (DGS)**
ÇALIŞKAN A., Belen M. A. , MAHOUTİ P., DEMİREL S., GÜNEŞ F.

European Microwave Week (EuMA), Paris, France, 07 September 2015, pp.1387-1390

- **PSO Algoritması ile Çok Katmanlı Algılayıcı Ağ Mimarisinin Belirlenmesi**

Çalışkan A., ÇİMEN S., Yıldırım T.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, İzmir, Turkey, 09 October 2014, pp.73-76

- **Analog Signal Processing for UWB Sounding**

Ruban V., Shuba O., Pochanin G., Türk A. S. , Keskin A. K. , Şentürk M. D. , ÇALIŞKAN A.

Proc. Of 7th International Conference on Ultra Wideband and Ultra Short Impulse Signals, Kharkiv, Ukraine, 01 September 2014, pp.55-58

- **Development of Signal Processing Techniques for Through-Wall Imaging Radar Systems**

Ünal M., ÇALIŞKAN A., Türk A. S. , Orhan M., Özdemir M.

- **UWB Compact TEM Ridged Horn Antenna**

ŞENTÜRK M. D. , Çalışkan A., Türk A. S.

ACES, vol.1, pp.1

- **Compact Partially Dielectric Loaded Ridged Horn Antenna**

ŞENTÜRK M. D. , Çalışkan A., Demirel S., Türk A. S.

ACES, vol.1, pp.1

Other Publications

- **Geniş Bantlı TEM ve Ridged Horn Anten Dizisi Tasarımı**

ÇALIŞKAN A.

Other, 1

Supported Projects

MAHOUTİP., GÜNEŞ F., BELEN M. A. , EVRANOS İ. Ö. , ÇALIŞKAN A., Project Supported by Higher Education Institutions, 3B Boyutlu Yazıcı Teknolojisi ile Yenilikçi Mikrodalga Deverelerin Tasarımı ve Gerçekleştirilmesi, 2018 - 2019

ÇALIŞKAN A., TÜRK A. S. , TUBITAK Project, Active and Passive Microwave and Millimeter Wave Systems for Security and Subsurface Imaging (AMISS), 2011 - 2014

TÜRK A. S. , ÜNAL M., ÇALIŞKAN A., TUBITAK Project, Araca Monteli İleri Bakan Yere Nüfuz Eden Radar (YNR) için Çok Geniş Bantlı Anten Sistemleri Tasarımı ve Uygulaması, 2011 - 2013

Scientific Refereeing

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, Journal Indexed in SSCI, September 2019

IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, SCI Journal, December 2018

Citations

Total Citations (WOS):22

h-index (WOS):3

Scholarships

2211A Genel Doktora Bursu, TUBITAK, 2015 - 2019