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Personal Information

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International Researcher IDs

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Biography

Lisans; 1986, Yıldız Teknik Üniversitesi, Elektrik Müh. Böl.

Yüksek Lisans; 1989, İstanbul Teknik Üniversitesi, Fen Bilimler Enstitüsü, Elektronik ve Haberleşme Müh. Böl.

Yüksek Lisans Tez Konusu ve Danışman: Elektromagnetik Alanda Sınır Koşulları; Prof. Dr. M. İdemen

Doktora: 1999, Viyana Teknik Üniversitesi, Elektrotechnik Fakültesi, Avusturya

Doktora Tez Konusu ve Danışman: Numerische Modellierung der Absorption elektromagnetischer Mobilfunkfelder im menschlichen Kopf; Ord. Prof. Dr. G. Magerl

Araştırma Görevlisi: 1987-1991, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi

Yardımcı Doçent: 2001-2011, Marmara Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Müh. Böl.

Doçent: 2011-günümüze, Marmara Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Müh. Böl.

Education Information

Doctorate, Technische Universitaet Wien, Fakultät Für Elektrotechnik, Austria 1994 - 1999

Postgraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 1986 - 1989

Undergraduate, Yıldız Technical University, Faculty Of Electrical & Electronics, Elektrik Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

German, C1 Advanced

Dissertations

Postgraduate, Elektromagnetik Alanda Sınır Koşulları, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 1999

Doctorate, Numerische Modellierung der Absorption elektromagnetischer Mobilfunkfelder im menschlichen Kopf,

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Marmara University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - Continues

Academic and Administrative Experience

Marmara University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2013

Marmara University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2006 - 2008

Marmara University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Inverse Scattering Related to Cylindrical Bodies Buried in a Lossy Circular Cylinder with Resistive Boundary**
Yelkenci T.
FREQUENZ, vol.73, pp.1-9, 2019 (SCI-Expanded)
- II. **An acoustic inverse scattering problem for spheres with radially inhomogeneous compressibility**
Bilgin E., Yapar A., Yelkenci T.
JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, vol.133, no.4, pp.2097-2104, 2013 (SCI-Expanded)
- III. **Imaging of Rough Surfaces Having Impedance Boundary Condition by the Use of Newton Iterative Algorithm**
Yelkenci T.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.7, no.1, pp.190-194, 2010 (SCI-Expanded)
- IV. **SAR CHANGES IN A HUMAN HEAD MODEL FOR PLANE WAVE EXPOSURE (500-2500 MHZ) AND A COMPARISON WITH IEEE 2005 SAFETY LIMITS**
Yelkenci T., Paker S.
JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, vol.42, no.2, pp.64-68, 2008 (SCI-Expanded)
- V. **The effects of frequency, polarization, direction and metallic objects on the SAR values in a human head model for plane wave exposure (500-2500 MHZ)**
Yelkenci T., Paker S.
FREQUENZ, vol.60, pp.215-219, 2006 (SCI-Expanded)
- VI. **Effects of metallic objects on specific absorption rate in the human head for 915 and 1900 MHz mobile phones**
Yelkenci T.
FREQUENZ, vol.60, pp.46-49, 2006 (SCI-Expanded)
- VII. **Rectangular rigid stamp on a nonlocal elastic half-plane**
Artan R., Yelkenci T.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, vol.33, no.24, pp.3577-3586, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Die Berechnung der von Mobiltelefonen im menschlichen Kopf hervorgerufenen spezifischen Absorptionsraten**

Yelkenci A. T.

Elektrotechnik und Informationstechnik, vol.117, no.11, pp.744-749, 1999 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Line Source Scattering by Dielectric Objects inside a Circular Cylinder with Resistive Boundary - Part 1: Forward Scattering**

Yelkenci T.

11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30

November 2019, pp.623-627

- II. **Line Source Scattering by Dielectric Objects inside a Circular Cylinder with Resistive Boundary - Part 2: Inverse Scattering**

Yelkenci T.

11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30

November 2019, pp.628-631

- III. **Localized SAR Values In A Human Head Model For Plane Wave Exposure (500-2500MHz) and A Comparison With 1999 and 2005 IEEE Safety Limits**

Yelkenci A. T., Paker S.

The 23rd Annual Review of Progress in Applied Computational Electromagnetics, Verona, Italy, 19 - 23 March

2007, pp.101-104

- IV. **Cep Telefonlarının İnsan Kafasında Endüklediği Özgül Soğurma Oranının Sayısal Hesabı**

Yelkenci A. T.

URSI-Türkiye Birinci Ulusal Kongresi, İstanbul, Turkey, 18 - 20 September 2002, pp.150-153

- V. **Comparison of Gravity, EM an DC-multi-electrode Measurements Carried Out Along Two Profiles**

Kohlbeck F., Yelkenci A. T.

Proc. 3rd Meeting Environmental & Engineering Geophysics, Aarhus, Denmark, 8 - 11 September 1997, pp.443-446

- VI. **Empedans Türünden Sınır Koşullarının Geçerliliğine Frekansın Etkisi**

Yelkenci A. T., İdemen M. M.

Elektrik Mühendisliği 3. Ulusal Kongresi, İstanbul, Turkey, 25 September - 01 October 1989, pp.279-282

Metrics

Publication: 16

Citation (WoS): 35

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H-Index (Scopus): 3