

## **Prof. Dr. FATİH ÜSTÜNER**

### **Kişisel Bilgiler**

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### **Uluslararası Araştırmacı ID'leri**

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Publons / Web Of Science ResearcherID: AAJ-9587-2020

ScopusID: 17436158700

Yoksis Araştırmacı ID: 217666

### **Eğitim Bilgileri**

Doktora, Sakarya Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik, Elektronik Mühendisliği (Dr), Türkiye 1998 - 2002  
Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (Yl) (Tezli),  
Türkiye 1991 - 1994

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1986 -  
1991

### **Yaptığı Tezler**

Doktora, IRCM teçhizatının helikopterdeki EMI etkisinin sayısal ve deneysel analizi, Sakarya Üniversitesi, Fen Bilimleri  
Enstitüsü, Elektrik, Elektronik Mühendisliği (Dr), 2002

Yüksek Lisans, Design of front-end lna, T/R switch and power amfiliere of dect wireless communication systems, Orta  
Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (Yl) (Tezli), 1994

### **Araştırma Alanları**

Bilgisayar Bilimleri, Fizik, Astronomi ve Astrofizik, Temel Bilimler, Mühendislik ve Teknoloji

### **Verdiği Dersler**

EEE453 MICROWAVE TECHNIQUES, Lisans, 2022 - 2023

ETE507 MİKRODALGA MÜHENDİSLİĞİ, Yüksek Lisans, 2022 - 2023, 2021 - 2022

ETE542 OPTOELEKTRONİK, Yüksek Lisans, 2022 - 2023

ETE506 İLERİ ANTEM TEORİSİ, Yüksek Lisans, 2022 - 2023

EEE434 ANTENNA DESIGN, Lisans, 2022 - 2023, 2021 - 2022

ENG401 DESIGN PROJECT, Lisans, 2022 - 2023, 2021 - 2022

ENG402 GRADUATION PROJECT, Lisans, 2022 - 2023, 2021 - 2022

EEE210 ELECTRONIC CIRCUITS 1, Lisans, 2022 - 2023

EEE313 ELECTROMAGNETIC WAVE THEORY, Lisans, 2022 - 2023, 2021 - 2022

EEE212 ELECTROMAGNETIC FIELD THEORY, Lisans, 2022 - 2023, 2021 - 2022

EEE453 MİKRODALGA TEKNİKLERİ, Lisans, 2021 - 2022

EEE313 ELECTROMAGNETIC WAVE THEORY, Lisans, 2020 - 2021

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **EMI Reducing Interdigital Slot on Reference Planes of the PCBs**  
Sis S. A., ÜSTÜNER F., Demirel E.  
IEEE Transactions on Electromagnetic Compatibility, cilt.64, sa.1, ss.219-229, 2022 (SCI-Expanded)
- II. **Stacked conical ring dielectric resonator antenna excited by a monopole for improved ultrawide bandwidth**  
Ozzaim C., ÜSTÜNER F., Tarim N.  
IEEE Transactions on Antennas and Propagation, cilt.61, sa.3, ss.1435-1438, 2013 (SCI-Expanded)
- III. **Experimental and numerical analysis of the coupling mechanism of HF antenna located on shipboard**  
TÜRETKEN B., ÜSTÜNER F., Demirel E., Baran E.  
International Journal of Applied Electromagnetics and Mechanics, cilt.27, sa.1-2, ss.153-159, 2008 (SCI-Expanded)
- IV. **Numerical and experimental study of F-4 aircraft antenna patterns**  
Turetken B., ÜSTÜNER F., Dagdeviren A.  
International Journal of Electronics, cilt.94, sa.3, ss.293-301, 2007 (SCI-Expanded)
- V. **Genetic approach to the minimization of the coupling between aircraft antennas**  
Aydemir M. E., Günel M. T., ÜSTÜNER F.  
AEU - International Journal of Electronics and Communications, cilt.60, sa.4, ss.299-305, 2006 (SCI-Expanded)
- VI. **Mutual coupling between monopoles on F-4 aircraft at transition frequencies: A comparison between MoM and MoM/UTD hybrid method at UHF band**  
Dagdeviren A., Cerezci O., Ustuner F., Turetken B.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.21, sa.2, ss.111-114, 2006 (SCI-Expanded)

## Düger Dergilerde Yayınlanan Makaleler

- I. **REVISITING MODE CONVERSION BETWEEN TRANSMISSION LINES FOR WIDE-BAND MODELING OF DEFECTED GROUND STRUCTURES**  
SİN S. A., ÜSTÜNER F.  
İstanbul Ticaret Üniversitesi Fen Bilimleri Dergisi, 2023 (Hakemli Dergi)
- II. **Baskı Devrelerde Dönüş Yolu Üzerindeki Sürekzsizliklerden Kaynaklanan Elektromanyetik Girişimin Nümerik Analizi ve Deneysel Doğrulanması**  
SİN S. A., Demirel E., MERSİN M. T., ÜSTÜNER F.  
EMO Bilimsel Dergi, cilt.10, ss.15-21, 2020 (Hakemli Dergi)
- III. **Practical papers, articles and application notes: Interaction of an AM broadcast transmitter with a large crane posing health hazards: A real-world event analysis**  
ÜSTÜNER F.  
IEEE Electromagnetic Compatibility Magazine, cilt.1, 2012 (Scopus)
- IV. **Hava Aracı Kablolarında Çapraz Karışma Ölçümleri ve Kablo Ayırımı Kuralları**  
ÜSTÜNER F., TARIM N., ÜNAL G.  
Havacılık ve Uzay Teknolojileri Dergisi, 2009 (Hakemli Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Performance Assessment of Different Cable Shield Terminations under Electromagnetic Field Coupling**

- Dikbaş E., ÜSTÜNER F.  
7th International Electromagnetic Compatibility Conference, EMC Turkiye 2023, İstanbul, Türkiye, 17 - 20 Eylül 2023
- II. **A Novel Hybrid Nested Reverberation Chamber Measurement Technique for Shielding Effectiveness of Conductive Fabrics**  
Ozdemir H. E., Nisancı M. H., ÜSTÜNER F., Citkaya A. Y., TORPİ H., Mersin M. T., Aba R., Cosar C.  
2022 International Symposium on Electromagnetic Compatibility - EMC Europe, EMC Europe 2022, Gothenburg, İsveç, 5 - 08 Eylül 2022, cilt.2022-September, ss.201-205
- III. **EMI Reduction in Multilayer PCBs Using Planar Interdigital Slot Structures on the Reference Planes**  
Baghel L. K., Sis S. A., ÜSTÜNER F., Kumar S.  
9th IEEE International Symposium on Microwave, Antenna, Propagation and EMC Technologies for Wireless Communications, MAPE 2022, Chengdu, Çin, 26 - 29 Ağustos 2022, ss.352-356
- IV. **Effect of the Geometry of Slots and Splits on EMI Level of PCBs: A Parametric Study**  
Sis S. A., ÜSTÜNER F.  
34th General Assembly and Scientific Symposium of the International Union of Radio Science, URSI GASS 2021, Rome, İtalya, 28 Ağustos - 04 Eylül 2021
- V. **Assessment of PED interference to ILS and VOR receivers in a small cargo plane**  
ÜSTÜNER F., COŞAR C., Demirel E., Baran E., GÖKDOĞAN İ. H.  
2016 URSI Asia-Pacific Radio Science Conference (URSI AP-RASC), SEUL, Güney Kore, 21 Ağustos 2016
- VI. **Prediction of the electromagnetic interference due to antenna systems in non-metallic vessels**  
ÜSTÜNER F., Demirel E., Baran E., GÖKDOĞAN İ. H., COŞAR C.  
MTS/IEEE OCEANS 2015, Cenova, İtalya, 18 Mayıs 2015
- VII. **Loop antenna pattern measurements**  
ÇETİNTAŞ M., ÇAKIR S., ŞEN O., ÇINAR M., ÜSTÜNER F.  
29th Conference on Precision Electromagnetic Measurements (CPMEM 2014), Rio de Janeiro, Brezilya, 24 Ağustos 2014
- VIII. **Effects of sensor positions on military radiated susceptibility tests**  
ÇAKIR S., ŞEN O., ÇINAR M., AYAYDIN A., ÇETİNTAŞ M., ÜSTÜNER F.  
29th Conference on Precision Electromagnetic Measurements (CPMEM 2014), Rio de Janeiro, Brezilya, 24 Ağustos 2014
- IX. **Antenna radiation pattern measurement using an unmanned aerial vehicle (UAV)**  
ÜSTÜNER F., AYDEMİR M. E., GÜLEÇ E., İLARSLAN M., ÇELEBİ M., Demirel E.  
31th URSI General Assembly and Scientific Symposium (URSI GASS 2014), Pekin, Çin, 16 Ağustos 2014
- X. **The Effect of Superstructure on the Impedance and Radiation Characteristics of the Naval HF Monopole Antenna**  
ÜSTÜNER F.  
2013 International Conference on Electromagnetics in Advanced Applications (ICEAA), 09 Eylül 2013
- XI. **KRON's Method Applied to the Study of Electromagnetic Interference Occurring in Aerospace Systems**  
LEMAN S., REINEIX A., HOEPPE F., MAHMOUDI M., DEMOULIN B., ÜSTÜNER F., RODRIGUEZ V. P.  
2012 ESA Workshop on Aerospace EMC, 21 Mayıs 2012
- XII. **Experimental Investigation of the Shield Termination Effect on the Field-to-Cable Coupling Level**  
ÜSTÜNER F., TARIM N., Baran E.  
Progress In Electromagnetics Research Symposium (PIERS 2012), Kuala-Lumpur, Malezya, 27 Mart 2012, ss.19-22
- XIII. **Design and Realization of a Planar Near Field Antenna Measurement System**  
ÖZTÜRK Y., ÜSTÜNER F.  
30th URSI General Assembly and Scientific Symposium, (URSIGASS 2011), 13 Ağustos 2011
- XIV. **Interaction of a MW AM Broadcast Transmitter with a Large Crane and The Analysis of the Workers' Safety**  
ÜSTÜNER F.  
30th URSI General Assembly and Scientific Symposium, (URSIGASS 2011), 13 Ağustos 2011

- XV. **An EMC Experimental kit for Demonstrating the Effect of Printed Circuit Board Layout on the Radiated Emissions**  
ÜSTÜNER F., Baran E.  
30th URSI General Assembly and Scientific Symposium, (URSIGASS 2011), 13 Ağustos 2011
- XVI. **Three Dimensional Safety Distance Analysis around a Cellular Base Station**  
ÜSTÜNER F.  
Progress in Electromagnetics Research Symposium (PIERS 2011), Marakeş, Fas, 20 Mart 2011, ss.1770-1774
- XVII. **Optimization of Aperture Coupled Microstrip Patch Antennas**  
KIZILTAŞ SENDUR G., ÜSTÜNER F.  
Progress in Electromagnetics Research Symposium (PIERS 2010), Boston, Amerika Birleşik Devletleri, 05 Temmuz 2010, ss.657
- XVIII. **A Telemetry Antenna System for Unmanned Air Vehicles**  
ÜSTÜNER F.  
Progress in Electromagnetics Research Symposium (PIERS 2010), Boston, Amerika Birleşik Devletleri, 05 Temmuz 2010, ss.635-639
- XIX. **Meeting the NSA Requirement for CISPR 16-1-4 in a MIL-STD-461E Type Semi Anechoic Room**  
ÜSTÜNER F., COŞAR C., Demirel E., DAĞDEVİREN A.  
International Symposium on Electromagnetic Compatibility and Electromagnetic Ecology (EMCECO 2007), Saint Peter, Guernsey Ve Alderney, 26 Haziran 2007, ss.212-215
- XX. **Coupling on Complex Platforms: A Comparison Between MOM and MOM/UTD Hybrid Method**  
DAĞDEVİREN A., ÇEREZCİ O., ÜSTÜNER F., TÜRETKEN B., KAHRİMAN M.  
11th International Conference on Mathematical Methods in Electromagnetic Theory (MMET 2006), Kharkiv, Ukrayna, 26 Haziran 2006, ss.276
- XXI. **EMI/EMC Analysis of Shipboard HF Antenna by Moment Method**  
TÜRETKEN B., ÜSTÜNER F., Demirel E., DAĞDEVİREN A.  
11th International Conference on Mathematical Methods in Electromagnetic Theory (MMET 2006), Kharkiv, Ukrayna, 26 Haziran 2006, ss.350
- XXII. **Theoretical and Experimental Investigation of Box-To-Antenna Coupled EMI Noise on a Helicopter under the Influence of Rotors**  
ÜSTÜNER F., ÇEREZCİ O., ŞEKER Ş. S., ARI N.  
2003 IEEE International Symposium on Electromagnetic Compatibility (IEEE EMC 2003), İstanbul, Türkiye, 11 Mayıs 2003
- XXIII. **Design and Realization of a New Type Electric Field Probe (400 MHz - 1 GHz)**  
Baran E., ÇEREZCİ O., ÜSTÜNER F., DAĞDEVİREN A., TÜRETKEN B.  
2th International Conference on Electrical and Electronics Engineering (ELECO'2001), Bursa, Türkiye, 07 Kasım 2001
- XXIV. **A Method for Evaluating the Shielding Effectiveness of Small Enclosures**  
ÜSTÜNER F., AKSES A., ARAZ İ., ÇOLAK B.  
2001 IEEE International Symposium on Electromagnetic Compatibility (IEEE EMC 2001), Montreal, Kanada, 13 Ağustos 2001
- XXV. **FAC Correlation with OATS Measurements**  
ARAZ İ., ÇEREZCİ O., ŞEKER Ş. S., ÜSTÜNER F.  
4th European Symposium on Electromagnetic Compatibility (EMC Europe 2000), Brugge, Belçika, 11 Eylül 2000
- XXVI. **Testing the EMP Effect on an Ordnance System**  
ÜSTÜNER F., ARAZ İ., YAZICI M., PAZAR Ş.  
15th International Wroclaw Symposium and Exhibition on Electromagnetic Compatibility, Wroclaw, Polonya, 27 Haziran 2000, ss.841-845
- XXVII. **Fully Anechoic Chamber Construction and Evaluation**  
ÜSTÜNER F., ARAZ İ., Baran E.  
Regional Conference on Military Communication and Information Systems '99 (RCMCIS '99), Zegrze, Polonya, 01 Ekim 1999

- XXVIII. Electromagnetic Compatibility Tests on Hearing Aids**  
YÜREKLİ A. İ., ÖZKAN M., ÜSTÜNER F.  
14th International Wroclaw Symposium and Exhibition on Electromagnetic Compatibility, Wroclaw, Polonya, 23 -  
25 Haziran 1998, ss.247-251
- XXIX. Theoretical and experimental shielding study of offices**  
KARACAGİL P., ŞEKER Ş. S., ÜSTÜNER F., ARI N.  
14th International Wroclaw Symposium and Exhibition on Electromagnetic Compatibility, Wroclaw, Polonya, 23  
Haziran 1998, ss.423-427
- XXX. Design of a MMIC Low Noise Amplifier with Active Matching**  
ÜSTÜNER F., GÜNALP N.  
Fourth IEEE International Conference on Electronics, Circuits, and Systems (ICECS '97), Kahire, Mısır, 15 Aralık  
1997, ss.183-187