

Name Surname: **Prof.Dr. Remzi YILDIRIM**

Marital Status : Single

Foreingn Language: English (Proficiency), Japanese, Deutsch

E-mail: **remzi1963@gmail.com**

Phone:

GSM Mobile:

Academic Credentials

Post. Doctorate: Non Linear Systems Modeling with Volterra Series,
Supervisor: Prof. Dr. Martin Schetzen, (MIT) (1999-2002) Boston USA.

Doctorate (Ph.D.) : Erciyes University, 1996, Turkey; Thesis Title :
Semiconductor Laser Diode Modeling with Volterra Series ;

(MSc): Gazi University, 1993 (Turkey), 1991; Thesis Title : Electrical
Machinery Transient Analysis with Computer.

Undergraduate (B.Sc.) : Gazi University, Electronics and Computer
Department (Turkey), 1988;

CURRENT

Prof. Dr. Ankara Yıldırım Beyazıt University, Department of Computer
Engineering, Ankara, TURKEY.

Other Education and Visiting Scholar

Kanagawa University, Japan, 1990-1991," Electronics Engineering Program"

Hitachi Engineering School, Japan, 1990, Color TV Systems "Certifica and
Diploma"

Tsukuba University, Japan, 1991 "Nucleer Electronics and Microelectronics"
certifica

Mitsubishi Kyoei Sangyo Co. Japan, 1991 "Printed Circuit Board" certifica

Fusi Electric Co. Japan, 1990. Microcomputer application certificate
programs,

Liverpool University, England, 2004

İnternational H.Ahmed Yasevi University, Kazakhstan

Patents

TR- 2011-00938 B Class, 2012

Inventions

Numbers: 60 (Different inventions)

Numbers: 17 (Different Lens)

Total: 77

Scientific Theorems

1. Symmetrical Lattice Structure Theory of Light
2. Subatomic Basic Particle Theory
3. Laser Beam Bending Experiment and Theory
4. Three Optical Theorem
5. Atomic Mass-Volume Change Theory of Basic Particle
6. HASER (Hadron Amplification by Stimulated Emission of Radiation) Laser Theory
7. Use of Alternative IMD Frequency Components and PHASE-IMD Frequency System
8. Cooling and Disintegration of Materials.
9. Restructuring of States in the Future by Using Geometric (2n Ratio) Technique.
10. Restructuring Universities in the Future Using Geometric Ratio Technique.
11. Traffic Infrastructure Management System of Flying Vehicles.
12. Geometric Ratio Technique.
13. Critical Population Sizes.

- 14. HYBRID –I
- 15. HYBRID –II
- 17. HYBRID –III
- 18. New Data Compression Technique
- 19. OLDCCB, Optic Large Deflection Cantilever Beam Method.

Memberships in Scientific Organizations

LEOS (Türkiye, Laser, Electro-optic Society).

SPIE

Optical Engineering

AREAS OF INTEREST

Optoelectronics Systems Engineering

Cyber Physical Systems Engineering

Systems of Systems Engineering

Ph.D. AND MASTER COURSES

Systems of Systems Engineering

Cyber Physical Systems Engineering

Model Based System Engineering

Security Cyber Physical Systems Engineering.

Resilience Engineering

Revers Engineering

Reliability Engineering

UNDERGRADUATE COURSES

Principles of Cyber Physical System

IoT Systems

Industry 4.00 and 5.00

PUBLICATION STATUS (Google Scholar)

Number of citation: 277

H index: 11

I-10 index: 11

Ph.D. Thesis Studies

Khaled Mohamed Alashik, "Human Identity Verification from Biometric Dorsal Hand Vein Images Using the DL-GAN Method" Ankara Yıldırım Beyazıt University Graduate School of Naturel and Applied sciences, Department of Computer Engineering, AYBÜ, 2021

Saleh Hussin Salem HUSSIN, Style-Based Generative Adversarial Networks for Enhancing Deep Learning-Based Person Re-Identification, Ankara Yıldırım Beyazıt University Graduate school of Naturel and Applied sciences, Department of Computer Engineering, AYBÜ, 2021.

Levent GÖKREM, "Hight Electron Mobility Transistor, HEMT, Distortion Analysis, Gazi. Uni. 2009.

Master Thesis

Moataz Z. Salim, " Digital Image Forgery Detection And Localization " Ankara Yıldırım Beyazıt Uni. Sci. And Tech. Ins. Ankara,2022.

Muaz AYDIN, "Real-Time Tracking Systems Based on Deep Learnig" Ankara Yıldırım Beyazıt Uni. Sci. And Tech. Ins. Ankara,2020.

Abdurrahman HAZER, "Speckle Masking for Hybrid Cryptology" Ankara Yıldırım Beyazıt Uni. Sci. And Tech. Ins. Ankara.,2019

İbrahim ÖZEN, "Smartphone Application Sending GPS Location Using Sms To Call Center: Emergency 112 " Ankara Yıldırım Beyazıt Uni. Sci. And Tech.

Ins. Ankara.,2019

Metin ÖTÜRK, "Optical Power Distribution And Ofdm/Ofdma Modulation For Visible Light Communication" Sci. And Tech. Ins. Ankara.,2016

Mustafa Censev "Advanced Driver Assistant System: A Simulation Of Pedestrian Tracking And Detection System" Ankara Yıldırım Beyazıt Uni. Sci. And Tech. Ins. Ankara.,2016

Mustafa AK, "COBİT'in Yazılım Gelişme Sürecinin İyileştirilmesine Uyarlanması" Uygulanması" Gazi. Üni. Bilişim. Ens. Bilgisayar. Eğt. Y.lisans, 2012, Ankara

Ahmet AKSOY, "Güvenli İletişim için PDA'lar da Güvenli AES Şifreleme Algoritmasının Uygulanması "Gazi. Üni. Bilişim. Ens. Bilgisayar. Eğt. Y.lisans, 2010, Ankara

Fatih ÖÇAL" Güvenli İletişim için FPGA Şifreleme Sistemi ve Geliştirilmesi". Gazi. Üni. Fen. Ens. Bilgisayar. Eğt. Y.lisans, 2006, Ankara

Erdal ÖZDEMİR "Kablosuz Ağların Tasarımı ve Analizi " Gazi. Üni. Fen. Ens. Bilgisayar. Eğt. Y.lisans, 2005, Ankara

Mehmet MENTEŞ, "Ağlarda Sıkışıklık RED, REM ve VEGAS Modelleri" Gazi. Üni. Fen. Ens. Bilgisayar. Eğt. Y.lisans, 2004, Ankara

Mehmet MİNTAŞ, "Ağlarda RENO-I, RENO-II, DUALITY ve TCP/THOYA Sıkışıklık Modelleri" Gazi. Üni. Fen. Ens. Bilgisayar. Eğt. Y.lisans, 2004, Ankara.

Süleyman OKUMUŞ, "PCA Tekniği ile Resim Tanıma" Gazi. Üni. Fen. Ens. Bilgisayar. Eğt. Y.lisans, 2003, Ankara

PUBLICATIONS 2022-2023 JOURNALS

- A. HAZER, Remzi YILDIRIM, "Diffactive Imaging and Intermodulation Based Multiple Image Encryption" OSA, Applied Optics Vol:61, Issue 2, pp. 645-652 (2022)
- M. Z. SALIM, A. J. ABBOD, R. YILDIRIM, "A Visual Cryptoprpty-Based Watermaking Approach For Image Forgery Detection and Localization" Electronics, MDPI Electronics 2022, 11(1),136: doi.org/10.3390/electronics11010136 - 02 Jan 2022.

PUBLICATIONS 2020-2021 JOURNALS

- M. Z. SALIM, A. J. ABBOD, R. YILDIRIM, "Comparison of Copy-Move Image Forgery Detection Techniques" 1st International Conference on Advances in Engineering, Architecture, Science and Technology, Erzurum Technical University, December 15-17, 2021, ICA- EAST'21- ERZURUM/TURKEY
- R. YILDIRIM, S. GÜNDÜZ "Türk Dünyasında İnsan Kaynakları-Üniversite-Ekonomik Katmanlarla Birlikte Optimizasyonu", Avrasya Uluslararası Araştırmalar Dergisi Cilt:9, Sayı:28, Aralık- 2021.
- A. ALGUTAR, R. YILDIRIM, "Deep Learning -GAN Techniques Misinformation Identification , Detection and Classification" Çukurova 7th International Researches Conference 7-8 September 2021/Adana Turkey.
- A. HAZER, Remzi YILDIRIM, "Optic Large Deflection Cantilever Method" JOAM, Vol:11-12, 2021.
- A. HAZER, Remzi YILDIRIM, "Audio Encryption Using Hybrid Method", OSA Imaging and Applied Optics Congress 2021 (3D, COSI, DH, ISA, pcAOP), OSA Technical Digest (Optical Society of America, 2021), paper-JTh6A. 2021.
- A. HAZER, Remzi YILDIRIM, "Optical Hybrid Multiple Image Encryption", OSA Imaging and Applied Optics Congress 2021 (3D, COSI, DH, ISA, pcAOP), OSA Technical Digest (Optical Society of America, 2021), paper CF2E.6. 2021
- R. YILDIRIM (diğerleri) "B420 Binası Kapsamında Bulunan Makine Verilerinin Dijitalleştirilmesi Digitization of Machine Data in Building B420", LIFTUP-TUSAŞ Bildirisi, 2020-2021.
- A. HAZER, Remzi YILDIRIM, "A Review of Single and Multiple Optical Image Encryption Techniques", IOP, Journal of Optics, J.Opt., 23, 113501, 2021
- R. YILDIRIM, S.GÜNDÜZ, "Üniversite, Endüstri ve Kalkınma Modeli: Stratejik İnsan Kaynakları ve Gerçek Sektörler Arasındaki İlişki", Avrasya Uluslararası Araştırmalar Dergisi Cilt:9, Sayı:27, Sayfa:80-138, Haziran- 2021.
- K. ALASHIK, R. YILDIRIM, "Human Authentication From Dorsal Hand-Veins Biometric Images with Using DL-GAN" IEEE Access, Vol:9, pp 74194-74208, 2021.

- R. YILDIRIM, H.S.HUSSIN, K.M ALLASIK, A.ALGUTAR, A.HAZER, "Some Strategic Critical Sizes of China, AJER, Vol:10 Issue:05, 2021
- R. YILDIRIM, H.S.HUSSIN, K.M ALLASIK, A.ALGUTAR, A.HAZER,"Optimizing Higher Education with Economic Layers" AJER, Vol:10, 2021.
- S. H.S. HUSSIN, R. YILDIRIM, "StyleGAN-LSRO Method for Person Re-identification" IEEE Access, Vol:9 pp 13857-13869, 2021.
- S. H.S.HUSSIN, R.YILDIRIM, "Developing an Effective Baseline Model for Person Re-Identification Based on Convolutional Neural Networks and Transfer Learning" Tehnicki vjesnik/Technical Gazette (Print: ISSN 1330-3651, Online: ISSN 1848-6339), Vol. 29/No. 1, DOI:10.17559/TV-20201023101649, 2021.
- R. YILDIRIM, "Optimization Of Critical Sizes In The Turkish World And Higher Education", AJER, Vol. 10, June, 2021
- R. YILDIRIM, Strategic Critical Relationship Between The University And The Real Sector AJER, Vol. 10, June, 2021.
- S. GÜNDÜZ, R. YILDIRIM, S.GÜZELTAŞ, "Türk Dünyasında Yüksek Öğretimin Bugünü/Geleceği ve Türk Dünyası'nda Nitelikli İnsan Kaynağı Sorunu", Avrasya Uluslararası Araştırmalar Dergisi Cilt :8 Sayı:24 Sayfa:300-319 Aralık- 2020.
- R. YILDIRIM, Bülent YEŞİLATA, "İslam İşbirliği Teşkilatı Ülkelerinde Yüksek Öğretime Dayalı İnsan Kaynaklarının Analizi ve Planlaması" Bülent Ecevit University, Journal of Higher Education and Science, Vol:10, No:3-pp 474-487 (Dec.), 2020
- A. HAZER, R. YILDIRIM, "Multiple-image Hybrid Encryption Based on Compressive Sensing and Diffractive Imaging" IOP, Journal of Optics, J.Opt.22, 105701,2020.
- R. YILDIRIM, Abdurrahman HAZER, "Hiding Data with Simplified Diffractive Imaging Based Hybrid-Method" Optics and Laser Technology, OPLT, Vol 128, August (2020).106237 -2020.
- K. ALASHIK, S. HUSSIN, R. YILDIRIM, A.ALGUTAR, Dorsal Hand Identification Based on Deep Convolutional Neural Networks and Visualizing Intermediate Layer Activation", European Journal of Science and Technology Special Issue, April- 2020 EJOSAT-2020

PUBLICATIONS 2018-2019

JOURNALS

- R. YILDIRIM, Mete GÜNDOĞAN, "Model Based Engineering, Optimizing The Higher Education Goals Of Turkey's 2050 Using (2n+1) Geometric Ratio Model" Ankara Yıldırım Beyazıt University, Journal of Turkish Operation Management, JTOM, 3-2019.
- R. YILDIRIM, Sametin GÜNDÜZ, "Migration of Civilizations" The Journal of International Social Research, Vol:12 Issue:68 2019.
- R. YILDIRIM, Infrastructure System For The Future's Flying Vehicles, AJER, Vol. 7, June, 2018.
- R. YILDIRIM, "Geometric Ratio Model And Higher Education Application In The Future", AJER, Vol.7, June, 2018.
- R. YILDIRIM, Samettin GÜNDÜZ, "Countries' Future Higher Education Structure and Optimising", AJER, Vol.7, Aug, 2018.
- R. YILDIRIM, Mete GÜNDOĞAN, "Restructuring Governments Using A Geometric Ratio Technique And Its Multiple Effects", Ankara Yıldırım Beyazıt University, Journal of Turkish Operation Management, JTOM 3, 2018.

CONFERENCES

- K. ALASHIK, S. HUSSIN, R. YILDIRIM, A. ALGUTAR, "Dorsal Hand Identification Based on Deep Convolutional Neural Networks and Visualizing Intermediate Layer Activation", ARACONF 2020 Kayseri,
- S. HUSSIN, K. ALASHIK, A. ALGUTAR, R. YILDIRIM, "An Improved Deep Learning-based Person Re-identification Systems, ARACONF-2020, Kayseri,
- A. ALGUTAR, S. HUSSIN, K. ALASHIK, R. YILDIRIM, "An Observation of Intrusion Detection Techniques in Cyber Physical Systems", ARACONF-2020, Kayseri,
- M. KASTALAN, R. YILDIRIM, "Real Object Tracking Using Deep Learning", ARACONF-2020, Kayseri.
- S. HUSSIN, K. ELASHEK and R. YILDIRIM, "Convolutional Neural Network Baseline Model Building for Person Re-identification", Konya, Oct. 25-27, ICENTE'19, 2019.
- K. ELASHEK, S. HUSSIN and R. YILDIRIM, "Observations on the Evaluation

of Dorsal Hand Vein (DHV) Recognition and Identification” Konya, Oct. 25-27, ICENTE’19, 2019.

- B. YEŞİLATA, Remzi YILDIRIM, “Energy Outlook Analysis of OIC Member Countries”, WSCNE-2019 Ankara.
- R. YILDIRIM, F.V. ÇELEBİ, “ Laser Beam Bending and Devision”, WSCNE-2019 Ankara
- R. YILDIRIM, H. Haldun Göktaş, Lens Induced CW Laser Light Packing, The 3’ International Conference on Engineering Technology and Applied Sciences (ICETAS) Skopje, Macedonia, July 17-21, 2018
- R. YILDIRIM, H. Haldun Göktaş, An Alternative Approach For Increasing The Bandwidth, (ICETAS), Skopje, Macedonia, July 17- 21, 2018.
- R. YILDIRIM, İlyas Çankaya, Fahrettin Göktaş, Abdullah Yıldız, Bülent Yeşilata, “New approaches for data monitoring, analysis and management of rooftop based PV power plants” (ICETAS), Skopje, Macedonia, July 17- 21, 2018.
- R. YILDIRIM, Fatih Vehbi Çelebi, Abdullah Yıldız, Fahrettin Göktaş, Bulent Yeşilata , “Conceptual Design of a Futurist Solar Energy Module” GAPYENEV, 2018
- A. Hazer, İbrahim Özen, Remzi YILDIRIM, “Confidential Data Transport in Noise Image ” ICONS”, 2018
- A. Hazer, İbrahim Özen, Remzi YILDIRIM, “112 Emergency Call Positioning Message Support Application for Smartphones ” ICONS”, 2018

PUBLICATIONS

- A1. R. YILDIRIM, F.V. ÇELEBİ “Geometrik Yaklaşımla Kazanç ve Foton Çoğalmasının Arasındaki Açının Hesaplanması” Gazi Üni. MMF Dergisi Vol 24, No 4, s 709–714, 2010.
- A2. L.GÖKREM, F.V.ÇELEBİ, R.YILDIRIM “Dört ton Küçük İşaret Girişli GaN HEMT transistor ün Farklı Sıcaklıklardaki Asimetrik Genlik Değişimi” Gazi Üni. MMF. Dergi Cilt 25, No.4, Aralık, s 779–786, 2010.
- A3. R. YILDIRIM, F.V. ÇELEBİ “Lazer Diyotun Doğrusal Olmayan Geribeslemeli Harmonik Genlik Kontrolü” Gazi Üni. MMF Dergisi Vol 25, No 1, s 163–170, 2010..

- A4. R. YILDIRIM, H. G. YAVUZCAN, F.V. ÇELEBİ, L. GÖKREM "Temperature Dependent Rolletti Stability Analysis of GaN HEMT" Optoelectronics And Advanced Materials – Rapid Communications Vol. 3, No. 8, pp 781 – 786, August 2009.
- A5. R. YILDIRIM, "Simetrik ve Asimetrik Haberleşme Sistemleri İçin Frekans Bileşenleri Seçimi" Gazi Üni. MMF Dergisi Vol 23, No 2, s 329–341, 2008.
- A6. M.SCHETZEN, R.YILDIRIM, F.V. ÇELEBİ "Intermodulation Distortion of The Single-Mode Laser Diode" Applied Physics B, Laser and Optics, 93, pp 837–847, 2008.
- A7. R. YILDIRIM, "Doğrusal Olmayan Optoelektronik Geri Beslemeli Lazer Diyotun Üç Ton Küçük İşaret Girişli İntermodülasyon Distorsiyon Sistem Teorisi" Gazi Üni. MMF. Dergi Cilt 22, No 2, s 417 – 430, Haziran 2007.
- A8. R. YILDIRIM "Doğrusal Olmayan Optoelektronik Geribeslemeli Lazer Diyotun Bağlı Şiddet Gürültü Sistem Teorisi "Gazi. Üni. MMF. Dergi Cilt 21, No 3, s575–580, 2006.
- A9. F.V. ÇELEBİ, R. YILDIRIM, "İki-ton Küçük İşaret Girişli Lazer Diyotun Distorsiyon Sistem Teorisi" Gazi. Üni. MMF. Dergi Cilt 20, No 3, Eylül, s 373-377, 2005.
- A10. E.AYDIN, R. YILDIRIM, "Genetic Algorithms Optimization Applications of the Single- mode laser Diode System Theory" Optics and Laser Engineering", Optics.and Laser in Eng. 42 pp 41-46, July 2004.
- A11. M. SCHETZEN and R. YILDIRIM " System Theory of The Single -Mode Laser-Diode" Opt.comm, 219 pp 341-350, 2003.
- A12. R. YILDIRIM and M. SCHETZEN " Application of The Single-Mode Laser-Diode The System Theory" , Opt.comm, 219 pp 351-355, 2003.
- A13. R. YILDIRIM and F.V.CELEBİ, " Design of a Chaotic Optical Communication System by Using RAMAN With Noise Addition Technique" SPIE Vol: 5562, pp 389-394, 2004.
- A14. F.V.CELEBİ and R.YILDIRIM " Theoretical System Approach to Laser Diodes with the Help of an Optoelectronic Feedback and Optical Reflected Power" SPIE Vol: 5277, pp 397-403, 2004.
- A15. F.V.CELEBİ, K.DANIŞMAN and R.YILDIRIM, "Neural Computaion of Alpha Parameter with the use of Differantial Gain,Wavelet, and Number of Quantum Wells " SPIE Vol: 5277- pp 346-349, 2004.

- A16. R.YILDIRIM, F.V.CELEBİ, " Optical Power Disribution and Phase Variation in External-cavity Laser Diodes" SPIE Vol: 4913 pp 141-144, 2002.
- A17. F.V.CELEBİ, R.YILDIRIM, " Removal of Chaos by Arranging the Cavity Length in External-cavity Laser Diodes " SPIE Vol: 4913 pp 232-235, 2002
- A18. R.YILDIRIM, F.V.CELEBİ, " Role of Linewidth Enhancement Under Weak Optical Feedback Conditions "SPIE Vol: 4913 pp 272-274, 2002.
- A19. F.V.CELEBİ, R.YILDIRIM, " Determination of İntermodulation Distortion Using Different Approach" SPIE Vol: 4913 pp 184-186, 2002.
- A20. F. V. ÇELEBİ, K. DANIŞMAN R. YILDIRIM, " Determination of Amplitude- Phase Relationship in Laser Diodes Using Linear System Approximation " SPIE Vol: 3940 pp 200-204, 2000.
- A21. K. DANIŞMAN, R. YILDIRIM, A. ÖZEK and F. V. ÇELEBİ, " Different Approach for distortion Analysis of External Cavity Laser Diode Using Volterra Series " SPIE Vol: 3415 pp 192-198,1998.
- A22. F. V. ÇELEBİ, R. YILDIRIM, K. DANIŞMAN and A. ÖZEK, " The Effect of Opical Confinement Factor and Gain Constant on the Distortion Levels in InGaAsP Semiconductor Laser Diodes " SPIE Vol: 3491 pp 85-89, 1998.
- A23. K.DANIŞMAN, A. ÖZEK, R. YILDIRIM and F.V. ÇELEBİ, " Static and Dynamic Behaviour of Three Cavity Semiconductor Laser Diodes Osillation Frequency Shitf Suppression " SPIE Vol: 3491 pp 169-174 1998.
- A24. R. YILDIRIM, K.DANISMAN, F.V. ÇELEBİ and A. ÖZEK " The Role of Optical Feedback for Controlling Chaotic Cases in Semiconductor Laser Diodes " SPIE Vol: 3491 pp 118-123, 1998.
- A25. F.V.CELEBİ, K.DANIŞMAN and R.YILDIRIM " Single Model Proposed for the Combination of Narrow and Wide GaAs Wells for the Computation of the Linewidth Enhancement Factor "SPIE Vol: 5277, pp 350-355, 2004.
- A26. R. YILDIRIM, A. ÇAVUŞOĞLU " Harici optik Geribeslemeli Yarıiletken Lazer Diyot'un Dinamik Kararlılığı İçin Sınır Değerinin Belirlenmesi " G.Üni. F.Bil. Ens. Der. Ocak Cilt:11 N0:1 1997.

- A27. K. DANIŞMAN, R. YILDIRIM, "Kazanç Kılavuzlanmış BH Yarıiletken Lazer Diyotun Matematiksel Analizi " G. Üni, F. Bil. Ens. Der. Nisan 1997.
- A28. R. YILDIRIM, " Harici Optik Geribeslemeli İndeks Kılavuzlanmış BH Yarıiletken Lazer Diyotun Frekans Kararlılık Analizi " G. Üni. F. Bil. Ens. Der. Vol:11 N0:2 April pp 197 1998.
- A29. R. YILDIRIM, " Volterra -Wiener Serisi Kullanılarak Optik Geribeslemeli Yarıiletken Lazer Diyotun Sistem Kararlılık Analizi " G. Üni. F. Bil. Ens. Der. Cilt :11 :N0:4 Ekim s 711 1998.
- A30. R. YILDIRIM, "Yarıiletken BH Lazer Diyotta Optik Geribeslemenin Etkisi ve Kaosun Kontrol Edilmesi " G.Üni. F. Bil. Der. 2002.
- A31. R.YILDIRIM, F.V.ÇELEBİ "Raman Yükseltici Kullanarak Tasarlanmış Kaotik Veri Haberleşme Sistemi" G. Üni. F. Bil. Ens. Der,17 (4), 39-51, 2004.
- A32. R. YILDIRIM, "Yarıiletken BH Lazer Diyotta Optik Geribeslemenin Etkisi ve Kaosun Kontrol Edilmesi " G.Üni. F. Bil. Der. 2002.
- A33. R. YILDIRIM, A. ÇAVUŞOĞLU, "An Analytic Examination of External Optical Feedback Transfer Function to determine Factor Effcting the Stability" G. Üni.Fen Bil. Ens.Der. Vol:11 N0:2 April s 327 1998.
- A34. S. Tankız, F.V. Çelebi, R.YILDIRIM, "Computer-aided Design Model for a Quantum- Cascade Laser" IET-Circuits Devices Syst., Vol. 5, Iss 2, pp 143-147, 2011
- A35. R. YILDIRIM "The Division and Bending of Gren and Red Semiconductor Laser Light at Same Time" Nature,. Vol.3, No.10, 889-894, 2011.
- A36. R. YILDIRIM "İntermodülasyon Distorsiyon Kaos ve Kazanç İlişkisi", Gazi Üni. MMF Dergisi Vol: 28, No:1, 2013
- A37. R. YILDIRIM, H. CANBOLAT, "Gain And Coherence Collapse Condition For A Laser Diode With Optoelectronic Feedback Using Volterra Series", DOI:10.3906/Elk.1402-45 , 2016
- A38. R.YILDIRIM, A. KARAASLAN, "Harmonic Analysis of GaN-HEMTs at Different Temperatures and Frequencies using Volterra Power Series". IJE, Vol:102, No:2, 2015, Taylor and Francis.
- A39. R. YILDIRIM, F.V. ÇELEBİ, "Semiconductor Laser Beam Bending", T.J.Elec. Eng. And Comp.Sci. 2015, 23, p 1257-

- A40. R. YILDIRIM, A.KARAASLAN, "The Detailed Analysis of Rate Equation Roots of BH-Laser Diode Using Volterra Series", T.J.Elec. Eng. And Comp.Sci. 2015, 23, p 539-547
- A41. R. YILDIRIM, "MASS-VOLUME CHANGE AND HASER (Hadron Amplification by Stimulated Emission of Radiation) MATHEMATICS MODEL" IJESC, Vol:6 No:8, 2016.
- A42. R. YILDIRIM, H.CANBOLAT, "Emerging Cultures In Society Due To Technology" Antropoloji, 2017
- A43. Asmaa Salih Hammoodi, Fatih V. Celebi and Remzi Yildirim, "Wireless Sensor Networks Nodes Distributed in Shapes of Polygons for Promote Distance, Time Delay and Optimization Energy Consumption via Bluetooth" *J Comput Eng Inf Technol* 6:3. 2017
- A44. S. GÜNDÜZ, S. BULUT, R. YILDIRIM, D. RAYİMBEKOVA, "Kazak Erkeklerinin Boşanmaya Bakışı", Turkish Studies Vol: 10/10, Summer 2015 p493-504 2015
- A45. S. GÜNDÜZ, S. BULUT, R. YILDIRIM, D. RAYİMBEKOVA, "Kazak Kadınların Tek Ebeveynli Aileye Bakışı", Turkish Studies Vol: 10/14, Fall 2015
- A46. S. GÜNDÜZ, R. YILDIRIM, E. KARAKIRIK, R.CAPPAROVA, D. RAYİMBEKOVA, "Üniversite Öğrencilerinin Video-Telekonferans Ders Uygulamasına Bakışı", Turkish Studies Vol: 9/5, p 1041-1052 2014 Ankara

DOMESTIC PUBLICATIONS

- B1. R. YILDIRIM, " Optik Geribeslemeli Yarıiletken Lazer Diyot Transfer Fonksiyonunun Analizi " SDÜ. F. Bil. Ens. Der. Cilt:2 Sayı 1 1997.
- B2. R. YILDIRIM, " Volterra Serisi Kullanılarak Yarıiletken Lazer Diyotun Kararlılık Analizi " SDÜ. F. Bil. Ens. Der. Cilt:2 Sayı 1 1997.
- B3. R. YILDIRIM, " Volterra -Wiener Serisi Kullanılarak Optik Geribeslemeli Yarıiletken Lazer Diyotun Analizi " PU. Cilt:4 Sayı :1- 2 s :675 1998.
- B4. R. YILDIRIM, " Harici Optik Geribeslemeli Yarıiletken Lazer Diyot'un Dinamik Kararlılığı İçin Kritik Değerin Belirlenmesi " PU. Cilt:4 Sayı :1- 2 s 551 1998.

- B5. R. YILDIRIM, " Taşıyıcı Hamal Robotların İncelenmesi " TSE Standart ve Teknik Dergisi Yıl:32, Sayı:373, 1993.
- B6. R. YILDIRIM, H. CANBOLAT, "Harmonic Analysis of GaN-HEMTs At Different Temperatures For Asymmetric Commutation" IJERTEM, Vol:11, Issue:1, 2016
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