

Prof. MURAT YÜCEL

Personal Information

Office Phone: [+90 202 852 3](tel:+902028523)

Email: muyucel@gazi.edu.tr

Other Email: muyucel3@gmail.com

Web: <https://avesis.gazi.edu.tr/muyucel>

Address: Gazi Üniversitesi Teknoloji Fakültesi Taşkent Binası 2. Kat Elektrik-Elektronik Müh. Böl. B207, Teknikokullar-Yenimahalle / Ankara

Education Information

Doctorate, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), Turkey 2003 - 2008

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), Turkey 2000 - 2003

Under Graduate, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi Bölümü, Turkey 1996 - 2000

Dissertations

Doctorate, Kazancı düzleştirilmiş geniş bantlı fiber yükselteçlerin tasarımı, Gazi University, Bilişim Enstitüsü, Elektronik Ve Bilgisayar Eğitimi Anabilim Dalı (Disiplinlerarası), 2008

Post Graduate, Erbiyum katkılı fiber yükselteç analizi, Gazi University, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi (YI) (Tezli), 2003

Research Areas

Optical Communication, bioPhotonic, Electrical and Electronics Engineering, Sensing Devices and Transducers, Electronic Circuits, Optics and Photonics, Lasers and Masers, Optoelectronic Materials and Devices

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2019 - Continues

Associate Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2013 - 2019

Assistant Professor, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2012 - 2013

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi, 2002 - 2009

Professional Experience

Head of Department, Gazi University, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2019 - 2020

Courses

MEZUNİYET PROJESİ , Under Graduate, 2020 - 2021

Elektronik Lab. 1, Under Graduate, 2020 - 2021
Fiber Optik İletişim Teknikleri, Post Graduate, 2020 - 2021
OPTİK YÜKSELTEÇLER VE TEMEL UYG. , Post Graduate, 2020 - 2021
Electronic 1, Under Graduate, 2020 - 2021
Optik Haberleşme Sistemleri, Under Graduate, 2016 - 2017, 2017 - 2018
Fiber Optik Algılama Teknikleri, Post Graduate, 2016 - 2017, 2017 - 2018
Elektronik 1, Under Graduate, 2016 - 2017, 2017 - 2018
Fiber Optik İletişim Teknikleri, Post Graduate, 2017 - 2018
Elektronik 2, Under Graduate, 2016 - 2017, 2017 - 2018
Haberleşme Sistemleri 2, Under Graduate, 2016 - 2017
Haberleşme Sistemleri 1, Under Graduate, 2016 - 2017

Advising Theses

YÜCEL M., Erbiyum katkılı fiber optik yükselteçlerde yazılım tabanlı kazanç kontrolü, Post Graduate, Ö.AKÇEŞME(Student), 2020
YÜCEL M., EŞZAMANLI SICAKLIK VE GERİLİM ALGILAYABİLEN EĞİK FİBER BRAGG SENSÖR TASARIMI VE SİMÜLASYONU, Post Graduate, S.ECE(Student), 2020
YÜCEL M., Tulyum katkılı fiber yükseltecin karakteristiğinin incelenmesi, Post Graduate, A.DİNCER(Student), 2019
YÜCEL M., Analysing Of Characteristics Of Praseodymium Doped Fiber Amplifier, Post Graduate, H.CİHANGİR(Student), 2019
YÜCEL M., Fiber Optical Sensor Design For Railway Safety, Doctorate, N.FERHAT(Student), 2018
YÜCEL M., Passive Edge Filter Design Using Erbium-Doped Fiber, Post Graduate, O.KOYUNCU(Student), 2018
YÜCEL M., Design And Implementation Of Brillouin Scattering Based Fiber Optic Sensor, Doctorate, M.YÜCEL(Student), 2018
YÜCEL M., Analysis of the dispersion compensation techniques for long distance fiber optic communication systems, Post Graduate, H.GEÇE(Student), 2017
YÜCEL M., The Analysis And Interpretation Of The Scattering In The Fiber Optic Cable, S.Boydak(Student), 2016
YÜCEL M., Characterization And Comparison Of Different Erbium Doped Fiber Amplifiers Types, Post Graduate, Y.ABBAS(Student), 2016
YÜCEL M., The Transmission Of Radio Frequency Signals Over Optical Fiber Cable, Post Graduate, N.YILDIZ(Student), 2016
YÜCEL M., Fiber optik kabloda meydana gelen saçılmaların analizi ve anlamlandırılması, Post Graduate, S.BOYDAK(Student), 2016
YÜCEL M., The optical gain control of the erbium doped fiber amplifiers, Post Graduate, G.YENİLMEZ(Student), 2014
YÜCEL M., Reduction of the noise figure at the double-pass erbium doped fiber amplifiers, Post Graduate, Z.ASLAN(Student), 2013
YÜCEL M., The optimization with genetic algorithm of temperature dependence length of L band EDFA, D.Adnan(Student), 2011
YÜCEL M., The optimization with genetic algorithm of temperature dependence length of L band EDFA, Post Graduate, D.ADNAN(Student), 2011

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

- I. **The design and implementation of a software based gain control for EDFAs used in long-haul optical networks**
AKÇEŞME Ö., YÜCEL M., BURUNKAYA M.
Optik, vol.239, 2021 (Journal Indexed in SCI Expanded)
- II. **Tilted fiber Bragg grating design for a simultaneous measurement of temperature and strain**

Kipriksiz S. E. , YÜCEL M.

OPTICAL AND QUANTUM ELECTRONICS, vol.53, no.1, 2021 (Journal Indexed in SCI)

- III. **Measurement and Control of an Incubator Temperature by Using Conventional Methods and Fiber Bragg Grating (FBG) Based Temperature Sensors**
Burunkaya M., Yücel M.
JOURNAL OF MEDICAL SYSTEMS, vol.44, 2020 (Journal Indexed in SCI)
- IV. **Classification of the temperature -dependent gain of an erbium-doped fiber amplifier by using data mining methods**
Yücel M., Aslan Z., Burunkaya M.
OPTİK, vol.208, 2020 (Journal Indexed in SCI)
- V. **Widely triple Brillouin frequency shift multiwavelength Brillouin erbium fiber laser**
Al-Mashhadani T. F. , Al-Mashhadani M. K. S. , Goktas H. H. , YÜCEL M., Celebi F. V.
OPTICAL AND QUANTUM ELECTRONICS, vol.52, no.4, 2020 (Journal Indexed in SCI)
- VI. **Design and implementation of a passive edge filter with high bandwidth and slope**
YÜCEL M., Koyuncu O.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.61, no.11, pp.2572-2578, 2019 (Journal Indexed in SCI)
- VII. **Influence of bidirectional cavity structure on the Brillouin Stokes signal characteristics in ring BFL**
Al-Mashhadani T. F. , Al-Mashhadani M. K. S. , YÜCEL M., Goktas H. H.
OPTİK, vol.185, pp.359-363, 2019 (Journal Indexed in SCI)
- VIII. **Determination of the temperature independent quiescent regions for different types of erbium-doped fibers**
Yücel M., Ozoglu Y. A. , Gunduz A. E. , Goktas H. H. , Burunkaya M.
OPTİK, vol.183, pp.619-628, 2019 (Journal Indexed in SCI)
- IX. **Simplified fiber Bragg grating-based temperature measurement system design with enhanced high signal-to-noise ratio**
YÜCEL M., Torun M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.60, no.4, pp.965-969, 2018 (Journal Indexed in SCI)
- X. **Real-time monitoring of railroad track tension using a fiber Bragg grating-based strain sensor**
YÜCEL M., Ozturk N. F.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.46, no.5, pp.519-533, 2018 (Journal Indexed in SCI)
- XI. **Adaptive Neuro-Fuzzy Based Gain Controller for Erbium-Doped Fiber Amplifiers**
YÜCEL M., ÇELEBİ F. V. , Torun M., GÖKTAŞ H. H.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.17, no.1, pp.15-20, 2017 (Journal Indexed in SCI)
- XII. **Design and application of a fiber Bragg grating array based temperature measurement system**
YÜCEL M., Ozturk N. F. , Torun M., YÜCEL M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.3, pp.957-964, 2017 (Journal Indexed in SCI)
- XIII. **Effect of burnishing parameters on surface roughness and hardness**
BAŞAK H., YÜCEL M.
MATERIALS TESTING, vol.59, no.1, pp.57-63, 2017 (Journal Indexed in SCI)
- XIV. **Experimental analysis of the temperature dependence of the Brillouin gain spectrum in short-length single-mode fiber**
YÜCEL M., Goktas H. H. , YÜCEL M., Ozturk N. F. , Gunduz A. E.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.5, pp.3881-3891, 2017 (Journal Indexed in SCI)
- XV. **Optimization with genetic algorithm of temperature-dependent fiber length of L-band EDFA gain**
YÜCEL M., Adnan Mustafa Mustafa D.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1034-1043, 2016 (Journal Indexed in SCI)
- XVI. **The comparison of the gain flattening techniques EDFA configurations in the C/L band**
YÜCEL M., Yenilmez G.

- JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.17, pp.1450-1457, 2015 (Journal Indexed in SCI)
- XVII. **Design and implementation of fuzzy logic based automatic gain controller for EDFAs**
YÜCEL M., GÖKTAŞ H. H. , Celebi F. V.
OPTIK, vol.125, no.18, pp.5450-5453, 2014 (Journal Indexed in SCI)
- XVIII. **The noise figure and gain improvement of double-pass C-band EDFA**
YÜCEL M., Aslan Z.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.55, no.11, pp.2525-2528, 2013 (Journal Indexed in SCI)
- XIX. **Intelligent modelling of alpha (alpha) parameter; comparison of ANN and ANFIS cases**
Celebi F. V. , YÜCEL M., Goktas H. H. , Danisman K.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.7, pp.470-474, 2013 (Journal Indexed in SCI)
- XX. **Simple and efficient ANN model proposed for the temperature dependence of EDFA gain based on experimental results**
YÜCEL M., Celebi F. V. , GÖKTAŞ H. H.
OPTICS AND LASER TECHNOLOGY, vol.45, pp.488-494, 2013 (Journal Indexed in SCI)
- XXI. **EXAMINATION OF TEMPERATURE DEPENDENCE OF DOUBLE PASS L BAND ERBIUM DOPED FIBER AMPLIFIER**
YÜCEL M., GÖKTAŞ H. H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.2, pp.237-243, 2012 (Journal Indexed in SCI)
- XXII. **Fuzzy logic based device to implement a single CAD model for a laser diode based on characteristic quantities**
Celebi F. V. , YÜCEL M., GÖKTAŞ H. H.
OPTIK, vol.123, no.6, pp.471-474, 2012 (Journal Indexed in SCI)
- XXIII. **FUZZY LOGIC-BASED AUTOMATIC GAIN CONTROLLER FOR EDFA**
YÜCEL M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.53, no.11, pp.2703-2705, 2011 (Journal Indexed in SCI)
- XXIV. **Temperature independent length optimization of L-band EDFAs providing flat gain**
YÜCEL M., Goktas H. H. , Celebi F. V.
OPTIK, vol.122, no.10, pp.872-876, 2011 (Journal Indexed in SCI)
- XXV. **TEMPERATURE DEPENDENCE OF NOISE FIGURE IN THE ERBIUM DOPED FIBER AMPLIFIER**
YÜCEL M., Goktas H. H. , Ozkaraca O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.3, pp.635-641, 2010 (Journal Indexed in SCI)
- XXVI. **A fuzzy logic based device for the determination of temperature dependence of EDFAs**
Goktas H. H. , YÜCEL M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.9, pp.2331-2334, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **FBG Algılama Sistemlerinde Gaussian Uyarlama Yöntemi ile Merkez Dalgaboyunun Belirlenmesi**
YÜCEL M., nail ferhat ö.
Politeknik Dergisi, 2021 (Refereed Journals of Other Institutions)
- II. **Determination of Central Wavelength in FBG Sensing Systems by Gaussian Fitting Technique**
YÜCEL M., Ozturk N. F.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.24, no.1, pp.63-68, 2021 (Journal Indexed in ESCI)
- III. **Tek ve İki Aşamalı Tulyum Katkılı Fiber Yükselteçlerin S- Bandındaki Kazanç ve Gürültü Analizi**
YÜCEL M., Ayten D.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.3, pp.2062-2072, 2020 (Other Refereed National Journals)

- IV. **İki Aşamalı Üç Geçişli EKFY Tasarımı ve EKFY Parametrelerinin Optimizasyonu**
YÜCEL M., YİĞİT E.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.8, no.2, pp.335-344, 2020 (Refereed Journals of Other Institutions)
- V. **DALGA BOYU BÖLMELİ OPTİK SİSTEMLERDE DOĞRUSAL OLMAYAN İLETİM BOZULMALARININ YAPAY ARI KOLONİSİ ALGORİTMASI İLE OPTİMİZASYONU**
YOLCU V., YÜCEL M., AYDIN D., HİÇDURMAZ B.
International Marmara Sciences Congress, pp.535-536, 2019 (Refereed Journals of Other Institutions)
- VI. **The Analysis of Raman Scattering in the Fiber Optic Cable**
Boydak S., YÜCEL M.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.20, no.2, pp.257-265, 2017 (Journal Indexed in ESCI)
- VII. **Fiber Optik Kabloda Meydana Gelen Raman Saçılmasının Analizi**
Bodak S., YÜCEL M.
Politeknik Dergisi, 2017 (Other Refereed National Journals)
- VIII. **FTTH Ağlarda Performans Analizi**
Hocaoğlu S., YÜCEL M.
Bilişim Teknolojileri Dergisi, vol.10, no.1, pp.79-88, 2017 (Other Refereed National Journals)
- IX. **The effects of signal level of the microwave generator on the Brillouin gain spectrum in BOTDA and BOTDR**
YÜCEL M., yücel m., öztürk n. f., GÖKTAŞ H. H., gemci c., ÇELEBİ F. V.
WASET Int. J. of Electrical, Computer, Energetic, Electronic and Comm. Eng., vol.10, no.1, pp.23-27, 2016 (Refereed Journals of Other Institutions)
- X. **The Examination of the Performance Factors on NG-DWDM Systems with Roadm Structure**
Ozduman Y., YÜCEL M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, no.1, pp.1-8, 2016 (Journal Indexed in ESCI)
- XI. **Haddelme işleminin silindirik parçalarda uygulaması deney sonuçlarının yapay sinir ağları ile modellenmesi**
BAŞAK H., YÜCEL M.
DUMF Mühendislik Dergisi, vol.6, no.2, pp.111-120, 2015 (Other Refereed National Journals)
- XII. **Kazancı Düzleştirilmiş Çok Geniş Bantlı Hibrid Optik Yükselteç Tasarımı**
YÜCEL M., GÖKTAŞ H. H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZIUNIVERSITY, vol.22, no.4, pp.863-868, 2007 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **COMPARISON OF RZ AND NRZ MODULATION FORMATS IN WDM OPTIC NETWORKS FOR 40 Gb/s SYSTEMS**
Ayşe Seda İ., YÜCEL M.
EUROASIA CONGRESS ON SCIENTIFIC RESEARCHES AND RECENT TRENDS-VII, Baku, Azerbaijan, 6 - 09 December 2020
- II. **Connector Position Detection Simulation Using OTDR Analysis**
GÜNDÜZ A. E., GÖKTAŞ H. H., YÜCEL M.
International Marmara Sciences Congress (IMASCON-Spring 2020), 19 - 20 June 2020
- III. **Praseodimyum Katkılı Fiber Yükselteçlerde Pompa Lazer Güç ve Giriş Sinyali Güç Analizi**
Hasan C., YÜCEL M.
EUROASIASUMMIT Congress on Scientific Researches and Recent Trends-6, 16 - 18 May 2020
- IV. **S-Band Tulyum Katkılı Fiber Yükseltecin Kazanç ve Gürültü Spektrumlarının İncelenmesi**
Ayten D., YÜCEL M.
EUROASIASUMMIT Congress on Scientific Researches and Recent Trends-6, 16 - 18 May 2020

- V. **Effect of Pump Power and Fiber Length on Amplifier Gain in Ytterbium Doped Fiber Optic Amplifiers**
YÜCEL M.
INTERNATIONALEUROASIA Congress on Scientific Researches and Recent Trends-V, 16 - 19 December 2019
- VI. **Dalga Boyu Bölümlenmeli Optik Sistemlerde Doğrusal Olmayan İletim Bozulmalarının Gelişmiş Yapay Arı Kolonisi Algoritması ile Optimizasyonu**
YOLCU V., YÜCEL M., AYDIN D., HIÇDURMAZ B.
International Marmara Science and Social Congress, Kocaeli, Turkey, 1 - 03 November 2019, vol.3, pp.535-540
- VII. **ERBİYUM KATKILI FİBER YÜKSELTEÇLERDE DÜZ KAZANÇ SPEKTRUMU İÇİN ERBİYUM KATKILI FİBER BOYUNUN OPTİMİZASYONU**
AKÇEŞME Ö., YÜCEL M.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (BAHAR 2019), Kocaeli, Turkey, 26 - 28 April 2019, vol.2, pp.1732-1737
- VIII. **LAZER DİYOTLAR İÇİN DÜŞÜK MALİYETLİ AKIM KONTROL DEVRESİ VETERMOELEKTRİK SOĞUTUCU KONTROL DEVRESİ TASARIMI**
AKÇEŞME Ö., YÜCEL M.
uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, Kocaeli, Turkey, 26 - 28 April 2019, vol.2, pp.1718-1725
- IX. **Farklı Pompalama Yönleri için Giriş Sinyal Gücünün Tulyum Katkılı Fiber Yükselteç Kazancına Etkisi ve Küçük Sinyal Kazancı Analizi**
YÜCEL M., Ayten D.
International Black Sea Coastline Countries Symposium, 2 - 05 May 2019
- X. **Tulyum Katkılı Fiber Yükselteçlerde Pompalama Yönü, Fiber Uzunluğu ve İyon Yoğunluğunun Kazanç ve Gürültüye Etkisi**
YÜCEL M., Ayten D.
International Black Sea Coastline Countries Symposium, 2 - 05 May 2019
- XI. **THE EFFECT OF FIBER LENGTH AND ION DENSITY ON OUTPUT GAIN AND NOISE FIGURE IN PRASEODYMIUM DOPED FIBER AMPLIFIERS**
Hasan C., YÜCEL M.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019
- XII. **BULUT TEKNOLOJISİNDE VERİ MADENCİLİĞİ UYGULAMASI**
Burak K., YÜCEL M.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019
- XIII. **LAZER DİYOTLAR İÇİN DÜŞÜK MALİYETLİ AKIM KONTROL DEVRESİ VE TERMOELEKTRİK SOĞUTUCU KONTROL DEVRESİ TASARIMI**
Özcan A., YÜCEL M.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019
- XIV. **ERBİYUM KATKILI FİBER YÜKSELTEÇLERDE DÜZ KAZANÇ SPEKTRUMU İÇİN ERBİYUM KATKILI FİBER BOYUNUN OPTİMİZASYONU**
Özcan A., YÜCEL M.
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (Bahar) 2019, 26 - 28 April 2019
- XV. **Design Of a Multiple Fiber Bragg Sensor Define of Temperature Parameters of the Fiber Bragg Gratings**
YÜCEL M., Ozturk N. F. , YÜCEL M., Goktas H. H.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XVI. **IMPLEMENTATION AND DESIGN OF FIBER BRAGG GRATING BASED RAIL STRAIN MEASUREMENT SYSTEM**
YÜCEL M., Ozturk N. F. , YÜCEL M., Goktas H. H.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- XVII. **Analysis of Dispersion Compensation Techniques for Very Long Distance Fiber Optic Communication Systems**
YÜCEL M., Geçe H.

8th International Advanced Technologies Symposium (IATS'17), 19 - 22 October 2017

- XVIII. The Comparison of for Different Erbium Doped Fibers and Erbium Doped Fiber Amplifier Configurations**
Aydogdu H., YÜCEL M.
4th International Conference on Electrical and Electronic Engineering (ICEEE), Ankara, Turkey, 8 - 10 April 2017, pp.272-275
- XIX. Passive Edge Filter Design Using Erbium-Doped Fiber**
YÜCEL M., Koyuncu O.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XX. Effect of EDFA Power on Brillouin Power Spectrum**
YÜCEL M., YÜCEL M., GÜNDÜZ A. E. , Ozturk N. F. , Torun M., GÖKTAŞ H. H.
4th International Conference on Electrical and Electronic Engineering (ICEEE), Ankara, Turkey, 8 - 10 April 2017, pp.18-22
- XXI. Brillouin Scattering Based Fiber Optic Strain Sensor**
YÜCEL M., Torun M., GÖKTAŞ H. H. , Ozturk N. F.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXII. Improvement of Signal to Noise Ratio in Fiber Bragg Grating Based Sensor Systems**
YÜCEL M., Torun M., BURUNKAYA M.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXIII. Performance Measurement and Analysis in WDM Networks Effects on OSNR**
YÜCEL M., Osmanca M. S. , Alparslan H.
4th International Conference on Electrical and Electronic Engineering (ICEEE), Ankara, Turkey, 8 - 10 April 2017, pp.276-280
- XXIV. The Effects of Signal Level of the Microwave Generator on the Brillouin Gain Spectrum in BOTDA and BOTDR**
YÜCEL M., Yücel M., Nail Ferhat Ö., GÖKTAŞ H. H. , Cemal G., ÇELEBİ F. V.
18th International Conference on Optical Fiber Sensors, 7 - 08 January 2016
- XXV. Design of a Fiber Bragg Grating based temperature sensor**
YÜCEL M., Ozturk N. F. , YÜCEL M., GÖKTAŞ H. H. , GÜNDÜZ A. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.669-672
- XXVI. Design of a Fiber Bragg Grating Multiple Temperature Sensor**
YÜCEL M., Ozturk N. F. , Gemci C.
6th International Conference on Digital Information and Communication Technology and its Applications (DICTAP), Konya, Turkey, 21 - 23 July 2016, pp.6-11
- XXVII. Using single-mode fiber as temperature sensor**
YÜCEL M., YÜCEL M., GÜNDÜZ A. E. , GÖKTAŞ H. H. , Ozturk N. F.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.461-464
- XXVIII. The Effect of Pump Laser Wavelength Change on The Temperature Dependence of EDFA**
YÜCEL M., GÖKTAŞ H. H. , ÇELEBİ F. V.
Signal Processing and Communications Applications, Turkey, 20 - 22 April 2011
- XXIX. Dönel Parçalarda Bilyeli Haddemeleme İşlemi Uygulaması Deney Sonuçlarının Bulanık Mantık İle Modellenmesi**
BAŞAK H., YÜCEL M.
2. Uluslar Arası Demir Çelik Sempozyumu (IISS'15), Karabük, Turkey, 1 - 03 April 2015, pp.768-772
- XXX. DÖNEL PARÇALARDA BİLYELİ HADDELEME İŞLEMİ UYGULAMASI DENEY SONUÇLARININ BULANIK MANTIK İLE MODELLENMESİ**
BAŞAK H., YÜCEL M.
2nd International Iron and Steel Symposium, Karabük, Turkey, 1 - 03 April 2015, pp.768-772
- XXXI. The analyzes of the Brillouin scattering for the different fiber types**

YÜCEL M., Ozturk N. F. , GÖKTAŞ H. H.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.632-635

XXXII. THE FIBER OPTICAL SENSING BASED ON BRILLOUIN SCATTERING

YÜCEL M., Goktas H. H. , YÜCEL M., Ozturk N. F.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.838-841

XXXIII. Gain and Noise Figure Enhancements of both C and L Bands Double Pass Erbium Doped Fiber Amplifier

YÜCEL M., Aslan Z., Celebi F. V. , Goktas H. H.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013, pp.599-603

XXXIV. Tip I Ve Tip II Kuantum kaskat Lazerlerdeki Optik Kazançların Uyarlamalı Sinirsel Bulanık Denetim Sistemi Kullanılarak Modellenmesi

ÇELEBİ F. V. , YÜCEL M., YİĞİT S.

Signal Processing and Communications Applications, Turkey, 18 - 20 April 2012

XXXV. C BAND ERBIUM DOPED FIBER AMPLIFIER AS A FLAT GAIN OPTICAL AMPLIFIER

YÜCEL M., Goektas H. H.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.808-810

XXXVI. Gain flattening configurations at the L band Erbium doped fiber amplifiers

YÜCEL M., Goektas H. H.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.165-168

Supported Projects

Yücel M., TUBITAK Project, Yüksek Güçlü Lazerler İçin Akım ve Sıcaklık Sürücüsü Tasarımı ve Gerçekleştirilmesi, 2019 - 2021

Yücel M., Göktaş H. H. , Al-Mashhadani T. F. A. , TUBITAK Project, S,C,L Geniş Bantlı Seri-Paralel Hibrit Fiber Optik Yükselteç, 2019 - 2021

YÜCEL M., Project Supported by Higher Education Institutions, İterbiyum Katkılı Fiber Optik Yükselteçlerde Pompa Gücü ve Fiber Boyunun Yükselteç Kazancına Etkisi, 2019 - 2020

Yücel M., TUBITAK Project, Kompakt Erbiyum Katkılı Fiber Optik Yükselteç Tasarımı ve Geliştirilmesi, 2017 - 2019

YÜCEL M., Project Supported by Higher Education Institutions, Brillouin Saçılması Tabanlı Fiber Optik Algılama Sistemi, 2017 - 2018

YÜCEL M., Project Supported by Higher Education Institutions, Fiber Bragg Izgara Tabanlı Hassas Sıcaklık Ölçüm Sistemi, 2017 - 2018

YÜCEL M., Project Supported by Higher Education Institutions, Brillouin Saçılması Tabanlı Fiber Optik Algılama Sistemi, 2017 - 2018

Yücel M., TUBITAK Project, DESIGN AND IMPLEMENTATION OF SENSOR BASED FIBER BRAGG GRATING , 2016 - 2017

YÜCEL M., TUBITAK Project, Fiber Optik Algılama Sistemi Tasarımı ve Geliştirilmesi, 2014 - 2016

YÜCEL M., Project Supported by Higher Education Institutions, Çift geçişli L Band Erbiyum Katkılı Fiber Yükselteç Karakterizasyonu, 2013 - 2016

Yücel M., KOSGEB, Yeni nesil haberleşme sistemleri için optik yükselteç tasarımı, 2014 - 2015

YÜCEL M., Project Supported by Higher Education Institutions, Optik Haberleşme Sistemlerindeki Karakteristik Parametrelerin Tasarımına Yönelik Hızlı bir Yaklaşım, 2013 - 2015

YÜCEL M., Project Supported by Higher Education Institutions, Çift geçişli erbiyum katkılı fiber yükselteçlerde gürültü faktörünün azaltılması, 2012 - 2013

Yücel M., Project Supported by Higher Education Institutions, Erbiyum Katkılı Fiber Yükselteç için Bulanık Mantık Tabanlı

Otomatik Kazanç Denetleyicisi Tasarımı, 2011 - 2012

Yücel M., Project Supported by Higher Education Institutions, Erbiyum Katkılı Fiber Yükselteçlerde Sıcaklığa Bağımlı Gürültü Faktörünün Deneysel Olarak İncelenmesi, 2009 - 2010

Yücel M., Göktaş H. H. , TUBITAK Project, Erbiyum Katkılı Fiber Yükseltecin EDFA Sıcaklık Bağımlılığının Deneysel Olarak İncelenmesi, 2008 - 2009

Yücel M., Göktaş H. H. , Project Supported by Higher Education Institutions, L Band EDFA Kazancı Arttırmak için Çeşitli Konfigürasyonların Analizi, 2008 - 2009

Yücel M., Göktaş H. H. , Project Supported by Higher Education Institutions, C Band Erbiyum Katkılı Fiber Yükselteçlerin Band Genişliklerinin Deneysel Olarak İncelenmesi, 2007 - 2008

Activities in Scientific Journals

Politeknik Dergisi, Editor, 2017 - Continues

Scientific Refereeing

OPTICAL AND QUANTUM ELECTRONICS, SCI Journal, September 2020

IEEE Photonics Technology Letters, SCI Journal, June 2020

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, SCI Journal, January 2020

OPTİK, SCI Journal, January 2019

OPTICS EXPRESS, SCI Journal, July 2018

OPTICS COMMUNICATIONS, SCI Journal, May 2018

OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, National Scientific Refreed Journal, June 2017

Citations

Total Citations (WOS):159

h-index (WOS):8

Awards

Yücel M., Üçüncülük Ödülü, 3. Bilim Şenliği Proje Pazarı, June 2016

Yücel M., Teşvik Ödülü, 2. Bilim Şenliği Proje Pazarı, June 2015