

Prof. VEDAT TOĐAN

Personal Information

Office Phone: [+90 462 377 2671](tel:+904623772671)

Fax Phone: [+90 462 377 4413](tel:+904623774413)

Email: togan@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr//togan>

Address: Karadeniz Teknik Üniversitesi Mühendislik Fakültesi İnşaat Mühendisliği Bölümü 61080 Trabzon

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., Turkey 2004 - 2009

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., Turkey 2001 - 2004

Under Graduate, Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, İnşaat Müh. Bölümü, Turkey 1997 - 2000

Foreign Languages

German, A1 Beginner

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Temel ve Uygulamalı Bilimlerde Araştırma Projesi Hazırlama Eğitimi, Karadeniz Teknik Üniversitesi, TÜBİTAK, 2014

Education Management and Planning, Deprem Bölgelerinde Yapılacak Binalar Hakkında Yönetmelik ile ilgili İnşaat Mühendislerinin Eğitimi, T.C. Çevre ve Şehircilik Bakanlığı, 2012

Dissertations

Doctorate, Açık Deniz Yapılarının Güvenilirliğe Dayalı Optimizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., 2009

Post Graduate, Kafes Sistemlerin Sabit ve Katar Yükleri altında Genetik Algoritma ile Boyut ve Şekil Optimizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Müh., 2004

Research Areas

Civil Engineering, Structure, Structural Engineering, Building Management, Informatics in Construction Management, Construction Management, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2014 - 2019
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2014
Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Civil Engineering, 2001 - 2009
Other, Technische Universiteit Delft, Faculty Of Civil Engineering And Geosciences, Structural Engineering, 2007 - 2008
Other, Ruhr-Universitaet Bochum, Faculty Of Civil And Environmental Engineering, Computational Engineering, 2004 - 2005

Academic and Administrative Experience

Karadeniz Technical University, Mühendislik Fak., İnşaat Müh., 2014 - Continues

Advising Theses

TOĞAN V., Görsel-İşitsel Materyallerin Yapım Teknolojisi Alanında Kullanılabilirliği Üzerine Bir Araştırma, Post Graduate, E.Boz(Student), 2019
TOĞAN V., Zaman Maliyet Ödünleşim Problemlerinin Çözümü İçin Yeni Değiştirilmiş Uyarlanabilir Ağırlık Yaklaşımları, Post Graduate, N.Berberoğlu(Student), 2019
TOĞAN V., Yenileme Projelerinin Yönetim Süreçlerinde Yapı Bilgi Modellemesinin Kullanımı: Vaka Çalışması, Post Graduate, Ü.Bahadır(Student), 2018
TOĞAN V., Pareto-Front Performance of Multiobjective Teaching Learning Based Optimization Algorithm on Time-Cost Trade-Off Optimization Problems, Post Graduate, M.Azim(Student), 2018
TOĞAN V., Şantiyelerde İş Sağlığı ve Güvenliği Açısından Risk Değerlendirmesinde Bulanık Çıkarım Tekniğinin Kullanımı, Post Graduate, A.Çebi(Student), 2014

Jury Memberships

Post Graduate, YüksekLisans sınav Jürisi, KTÜ Fen Bilimleri Enstitüsü, Temmuz 2014, Karadeniz Teknik Üniversitesi/Fen Bilimleri Enstitüsü, July, 2014

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

- I. **The Effects of Structural Lightweight Concrete on Energy Performance and Life Cycle Cost in Residential Buildings**
NAYIR S., BAHADIR Ü., ERDOĞDU Ş., TOĞAN V.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.65, no.2, pp.500-509, 2021 (Journal Indexed in SCI)
- II. **New adaptive weight formulations for time-cost optimization**
TOĞAN V., Berberoğlu N., Basri Başağa H. B.
STRUCTURES, vol.28, pp.2291-2299, 2020 (Journal Indexed in SCI)
- III. **Credit Success Rates of Certified Green Buildings in Turkey**
Thomollari X., TOĞAN V.
TEKNIK DERGI, vol.31, no.4, pp.10063-10084, 2020 (Journal Indexed in SCI)
- IV. **Time-Cost Trade-Off Optimization with a New Initial Population Approach**
TOĞAN V., EIRGAS M. A.
TEKNIK DERGI, vol.30, no.6, pp.9561-9580, 2019 (Journal Indexed in SCI)
- V. **A multi-objective decision making model based on TLBO for the time - cost trade-off problems**
EIRGASH M. A. , TOĞAN V., DEDE T.
STRUCTURAL ENGINEERING AND MECHANICS, vol.71, no.2, pp.139-151, 2019 (Journal Indexed in SCI)
- VI. **Time-Cost Trade-off Optimization of Construction Projects using Teaching Learning Based**

Optimization

TOĞAN V., EIRGASH M. A.

KSCE JOURNAL OF CIVIL ENGINEERING, vol.23, no.1, pp.10-20, 2019 (Journal Indexed in SCI)

- VII. **Solution of structural and mathematical optimization problems using a new hybrid swarm intelligence optimization algorithm**
Mortazavi A., TOĞAN V., Moloodpoor M.
ADVANCES IN ENGINEERING SOFTWARE, vol.127, pp.106-123, 2019 (Journal Indexed in SCI)
- VIII. **Interactive search algorithm: A new hybrid metaheuristic optimization algorithm**
Mortazavi A., TOĞAN V., NUHOĞLU A.
Engineering Applications of Artificial Intelligence, vol.71, pp.275-292, 2018 (Journal Indexed in SCI)
- IX. **Advanced Optimization Techniques and Their Applications in Civil Engineering**
DEDE T., Kripka M., TOĞAN V., Yepes V., Rao R. V.
ADVANCES IN CIVIL ENGINEERING, vol.2018, 2018 (Journal Indexed in SCI)
- X. **An integrated particle swarm optimizer for optimization of truss structures with discrete variables**
Mortazavi A., TOĞAN V., NUHOĞLU A.
STRUCTURAL ENGINEERING AND MECHANICS, vol.61, no.3, pp.359-370, 2017 (Journal Indexed in SCI)
- XI. **Sizing and layout design of truss structures under dynamic and static constraints with an integrated particle swarm optimization algorithm**
Mortazavi A., TOĞAN V.
APPLIED SOFT COMPUTING, vol.51, pp.239-252, 2017 (Journal Indexed in SCI)
- XII. **WEIGHT MINIMIZATION OF TRUSS STRUCTURES WITH SIZING AND LAYOUT VARIABLES USING INTEGRATED PARTICLE SWARM OPTIMIZER**
Mortazavi A., TOĞAN V., NUHOĞLU A.
JOURNAL OF CIVIL ENGINEERING AND MANAGEMENT, vol.23, no.8, pp.985-1001, 2017 (Journal Indexed in SCI)
- XIII. **Simultaneous size, shape, and topology optimization of truss structures using integrated particle swarm optimizer**
Mortazavi A., TOĞAN V.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.54, no.4, pp.715-736, 2016 (Journal Indexed in SCI)
- XIV. **Genetic Algorithms for Optimization of 3D Truss Structures**
TOĞAN V., Daloglu A. T.
METAHEURISTICS AND OPTIMIZATION IN CIVIL ENGINEERING, vol.7, pp.115-134, 2016 (Journal Indexed in SCI)
- XV. **A teaching learning based optimization for truss structures with frequency constraints**
DEDE T., TOĞAN V.
STRUCTURAL ENGINEERING AND MECHANICS, vol.53, no.4, pp.833-845, 2015 (Journal Indexed in SCI)
- XVI. **Design of pin jointed structures using teaching-learning based optimization**
Togan V.
STRUCTURAL ENGINEERING AND MECHANICS, vol.47, no.2, pp.209-225, 2013 (Journal Indexed in SCI)
- XVII. **Optimization of Monopod Offshore Tower under Uncertainties with Gradient-Based and Gradient-Free Optimization Algorithms**
Togan V.
ADVANCES IN STRUCTURAL ENGINEERING, vol.15, no.12, pp.2021-2032, 2012 (Journal Indexed in SCI)
- XVIII. **Design of planar steel frames using Teaching-Learning Based Optimization**
Togan V.
ENGINEERING STRUCTURES, vol.34, pp.225-232, 2012 (Journal Indexed in SCI)
- XIX. **Optimization of trusses under uncertainties with harmony search**
TOĞAN V., DALOĞLU A., Karadeniz H.
STRUCTURAL ENGINEERING AND MECHANICS, vol.37, no.5, pp.543-560, 2011 (Journal Indexed in SCI)
- XX. **An integrated framework including distinct algorithms for optimization of offshore towers under uncertainties**
TOĞAN V., Karadeniz H., DALOĞLU A.
RELIABILITY ENGINEERING & SYSTEM SAFETY, vol.95, no.8, pp.847-858, 2010 (Journal Indexed in SCI)

- XXI. **Reliability-Based Design Optimization of Structural Systems with Continuous and Discrete Design Variables**
TOĞAN V., DALOĞLU A., Karadeniz H.
TEKNIK DERGI, vol.21, no.3, pp.5135-5159, 2010 (Journal Indexed in SCI)
- XXII. **Optimization of Steel Monopod-Offshore-Towers Under Probabilistic Constraints**
Karadeniz H., TOĞAN V., Vrouwenvelder T.
JOURNAL OF OFFSHORE MECHANICS AND ARCTIC ENGINEERING-TRANSACTIONS OF THE ASME, vol.132, no.2, 2010 (Journal Indexed in SCI)
- XXIII. **Reliability-based optimisation of offshore jacket-type structures with an integrated-algorithms system**
Karadeniz H., TOĞAN V., DALOĞLU A., Vrouwenvelder T.
SHIPS AND OFFSHORE STRUCTURES, vol.5, no.1, pp.67-74, 2010 (Journal Indexed in SCI)
- XXIV. **An integrated reliability-based design optimization of offshore towers**
Karadeniz H., TOĞAN V., Vrouwenvelder T.
RELIABILITY ENGINEERING & SYSTEM SAFETY, vol.94, no.10, pp.1510-1516, 2009 (Journal Indexed in SCI)
- XXV. **Bridge truss optimization under moving load using continuous and discrete design variables in optimization methods**
TOĞAN V., DALOĞLU A.
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.16, no.4, pp.245-258, 2009 (Journal Indexed in SCI)
- XXVI. **An improved genetic algorithm with initial population strategy and self-adaptive member grouping**
TOĞAN V., DALOĞLU A.
COMPUTERS & STRUCTURES, vol.86, pp.1204-1218, 2008 (Journal Indexed in SCI)
- XXVII. **River water quality management model using genetic algorithm**
Aras E., Togan V., BERKUN M.
ENVIRONMENTAL FLUID MECHANICS, vol.7, no.5, pp.439-450, 2007 (Journal Indexed in SCI)
- XXVIII. **Optimization of 3d trusses with adaptive approach in genetic algorithms**
Togan V., Daloglu A.
ENGINEERING STRUCTURES, vol.28, no.7, pp.1019-1027, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Usage of Optimization Techniques in Civil Engineering During the Last Two Decades**
DEDE T., Kripka M., TOĞAN V., Yepes V., Rao R. V.
Current Trends in Civil & Structural Engineering, no.2, pp.1-17, 2019 (Refereed Journals of Other Institutions)
- II. **Evaluation of Energy-Cost Efficient Design Alternatives for Residential Buildings**
BAHADIR Ü., THOMOLLARI X., TOĞAN V.
Journal of Construction Engineering, Management & Innovation, vol.1, pp.43-54, 2018 (Refereed Journals of Other Institutions)
- III. **Evaluation of Energy-Cost Efficient Design Alternatives for Residential Building**
BAHADIR Ü., THOMOLLARI X., TOĞAN V.
Journal of Construction Engineering, Management Innovation, vol.1, no.1, pp.43-54, 2018 (Refereed Journals of Other Institutions)
- IV. **Comparison of Two Metaheuristic Algorithms on Sizing and Topology Optimization of Trusses and Mathematical Functions**
Mortazavi A., TOĞAN V., DALOĞLU A., NUHOĞLU A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.2, pp.416-435, 2018 (Journal Indexed in ESCI)
- V. **Application of Earned Value Based Metrics to Enhance the Performance Measurement of Engineering Project Management**
Eirgash M. A., TOĞAN V., Kazaz A.

Nevşehir Bilim ve Teknoloji Dergisi, vol.6, pp.431-439, 2017 (National Refreed University Journal)

- VI. **WATER TANK USAGE IN BUILDING SITES IN TURKEY: AN INTERNET-BASED STUDY WITH CIVIL ENGINEERS**
TOĞAN V., BAŞAĞA H. B. , DEDE T., Kolaylı C. C. , Şahin K., TOPBAŞ M.
The Turkish Journal of Occupational / Environmental Medicine and Safety, no.2, pp.412-419, 2017 (Refereed Journals of Other Institutions)
- VII. **Triangular units based method for simultaneous optimizations of planar trusses**
Mortazavi A., TOĞAN V.
ADVANCES IN COMPUTATIONAL DESIGN, vol.2, no.3, pp.195-210, 2017 (Journal Indexed in ESCI)
- VIII. **Evaluation of water consumption and drinking water preferences in various areas of workers working in the construction sector of Trabzon**
BAHADIR Ü., TEMEL B. A. , DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B. , DİLAVER İ., TOPBAŞ M.
The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, no.1, pp.52, 2017 (Refereed Journals of Other Institutions)
- IX. **Reducing water consumption with sustainable building design; a case study**
THOMOLLARI X., BAHADIR Ü., TOĞAN V., TOKDEMİR O. B.
The Turkish Journal Of Occupational / Environmental Medicine and Safety, vol.2, pp.55, 2017 (Refereed Journals of Other Institutions)
- X. **Sizing optimization of skeletal structures using teaching-learning based optimization**
TOĞAN V., Mortazavi A.
An International Journal of Optimization and Control: Theories & Applications, no.7, pp.130-141, 2017 (Refereed Journals of Other Institutions)
- XI. **Time-Cost Trade off Optimization for Construction Projects Using an Optimization Engine**
EIRGASH M. A. , TOĞAN V., DEDE T., BAŞAĞA H. B.
Eurasian Journal of Engineering Sciences and Technology, vol.1, pp.54-68, 2017 (Refereed Journals of Other Institutions)
- XII. **A fuzzy inference based model for evaluation on occupational risks at construction site**
Çebi A., TOĞAN V., Çebi S.
International Journal of Civil Engineering and Applications, vol.5, no.1, pp.61-77, 2016 (Refereed Journals of Other Institutions)
- XIII. **A fuzzy inference based model for evaluation of occupational risks at construction site**
Çebi A., TOĞAN V., ÇEBİ S.
International Journal of Civil Engineering and Applications, vol.5, no.1, pp.61-77, 2016 (Refereed Journals of Other Institutions)
- XIV. **İş Güvenliği Mevzuatı ile İlgili Standartlara göre Yapı İşlerinde Kullanılacak İskelelerde Aranacak Özellikler**
TOĞAN V., Başağa H. B. , Dede T., Temel B. A.
İMO Trabzon Şubesi Bülteni, pp.8-15, 2015 (National Non-Refereed Journal)
- XV. **2012 ve 2013 Yılları SGK İş Kazası İstatistiklerinin Karşılaştırmalı Analizi**
TOĞAN V., BAŞAĞA H. B. , DEDE T., TEMEL B. A. , KAMBER YILMAZ G.
İMO Trabzon Şubesi Bülteni, pp.27-37, 2015 (National Non-Refereed Journal)
- XVI. **FAILURE INVESTIGATION OF A ROOF TRUSS IN THE EASTERN BLACK SEA REGION DUE TO THE SNOW LOAD**
TOĞAN V., DURMAZ M., DALOĞLU A.
International Journal of Engineering and Applied Sciences (IJEAS), vol.1, no.3, pp.30-42, 2009 (International Refereed University Journal)
- XVII. **Optimum design of a truss system under the constraint of failure**
TOĞAN V., DALOĞLU A.
ARI THE BULLETIN OF THE ISTANBUL TECHNICAL UNIVERSITY, vol.54, no.5, pp.8-19, 2007 (National Refreed University Journal)
- XVIII. **Design and reliability based design optimization of a 2D arch bridge**

TOĞAN V., DALOĞLU A.

Journal of Engineering and Natural Sciences, vol.1, pp.17-26, 2007 (National Refreed University Journal)

XIX. Genetik algoritma ile üç boyutlu kafes sistemlerin şekil ve boyut optimizasyonu

TOĞAN V., DALOĞLU A.

İMO Teknik Dergi, no.17, pp.3089-3824, 2006 (Other Refereed National Journals)

XX. Reliability and reliability based design optimization

TOĞAN V., DALOĞLU A.

TURKISH JOURNAL OF ENGINEERING AND ENVIRONMENTAL SCIENCES, vol.30, pp.237-249, 2006 (Other Refereed National Journals)

Books & Book Chapters

I. Solving of Distinct Engineering Optimization Problems Using Metaheuristic Algorithms

Mortazavi A., Toğan V.

in: Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications, Serdar Carbas,Abdurrahim Toktas,Deniz Ustun, Editor, Springer, London/Berlin , Singapore, pp.111-136, 2021

II. Metaheuristic Algorithms for Optimal Design of Truss Structures

Mortazavi A., TOĞAN V.

in: Advances in Structural Engineering—Optimization, Sinan Melih NigdeliGebrail BekdasAylin Ece KayabekirMelda Yucel, Editor, Springer International Publishing, pp.199-220, 2021

III. Ev İşlerinde Tehlike Risk ve Önlemler Rehberi

ÇAN G., YEŞİLBAŞ ÜÇÜNCÜ Ş., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.

E- Kitap, Trabzon, 2017

IV. EV İŞLERİNDE TEHLİKE RİSK VE ÖNLEMLER REHBERİ

ÇAN G., YEŞİLBAŞ ÜÇÜNCÜ Ş., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.

KARADENİZ TEKNİK ÜNİVERSİTESİ, Trabzon, 2017

V. Fındık Tarımı Çalışanlarında İş Sağlığı Ve Güvenliği Rehberi

ÇAN G., Karabacak V., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.

Karadeniz Teknik Üniversitesi, Trabzon, 2017

VI. Çay Tarımı Çalışanlarında İş Sağlığı ve Güvenliği Rehberi

ÇAN G., Karabacak V., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.

Karadeniz Teknik Üniversitesi, Trabzon, 2017

VII. ÇaySağlığı Çalışanlarında İŞ Sağlığı Ve Güvenliği Rehberi

ÇAN G., Karabacak V., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.

Karadeniz Teknik Üniversitesi, Trabzon, 2017

VIII. Genetic Algorithms for Optimization of 3D Truss Structures

TOĞAN V., DALOĞLU A.

in: Metaheuristics and Optimization in Civil Engineering, Yang Xin-She, Bekdaş Gebrail, Nigdeli Sinan Melih, Editor, Springer International Publishing, pp.115-134, 2016

IX. Optimization of Offshore Structures

Saka M. P. , TOĞAN V.

in: Stochastic Analysis of Offshore Steel Structures An Analytical Appraisal, Hoang Pham, Editor, Springer, London, pp.365-405, 2013

Refereed Congress / Symposium Publications in Proceedings

I. Energy performance analysis of different roof construction types for a dwelling building: A case study in Antalya

BAHADIR Ü., MAÇKA KALFA S., TOĞAN V., Thomollari X.

International Civil Engineering Architecture Conference, 17 - 20 April 2019, vol.1, pp.6-12

- II. **Evaluation of required competence criteria in Turkish public construction works tenders**
TEKİN D., TOĞAN V.
International Civil Engineering & Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.98-103
- III. **Evaluation of working schedules delivered for the tendered public construction works**
Günaydın ÜNSAL A., TOĞAN V.
International Civil Engineering & Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.49-54
- IV. **Solving time-cost optimization problem using a new adaptive weight formulation**
Berberoğlu N., TOĞAN V.
International Civil Engineering & Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.41-48
- V. **Structural optimization applying sine-cosine optimization algorithm**
Mortazavi A., TOĞAN V.
International Civil Engineering & Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.1572-1580
- VI. **The Effect of Window Alternatives on Energy Consumption and Life Cycle Cost in Moderate-Humid Climate Regions in Residential Buildings**
BAHADIR Ü., THOMOLLARI X., MAÇKA KALFA S., TOĞAN V., TOKDEMİR O. B.
2nd International Energy and Engineering Conference 2017, Gaziantep, Turkey, 12 - 13 October 2017, pp.1-11
- VII. **The Effect Of Window Alternatives On Energy Consumption And Life Cycle Cost In Moderate-Humid Climate Regions In Residential Buildings**
BAHADIR Ü., THOMOLLARI X., MAÇKA KALFA S., TOĞAN V., TOKDEMİR O. B.
2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, pp.138-153
- VIII. **Internship Regulations in Civil Engineering Education: BayburtUniversity Civil Engineering Department Example**
TEKİN D., BOZ E., TOĞAN V.
International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017
- IX. **Chemical Hazards and risks in hazelnut and tea agriculture**
ÇAN G., karabacak v., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.
45th International Medicchem Congress, 13 - 15 September 2017
- X. **Time-Cost Trade off Optimization for Construction Projects Using an Optimization Engine**
Eirgash M. A. , TOĞAN V., DEDE T., BAŞAĞA H. B.
International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.1-11
- XI. **Application of Earned Value Based Metrics to Enhance the Performance Measurement of Engineering Project Management**
Eirgash M. A. , TOĞAN V., KAZAZ A.
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 April 2017
- XII. **Educational Attainments of Civil Engineering Students from Their Internships**
BOZ E., TEKİN D., TOĞAN V.
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 April 2017
- XIII. **Fındık Tarımı Çalışanlarında İş Sağlığı ve Güvenliği Risklerinin Değerlendirilmesi**
ÇAN G., Karabacak V., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.
19. Ulusal Halk Sağlığı Kongresi, Turkey, 15 - 19 March 2017
- XIV. **Trabzon İlinde İnşaat Sektöründe Çalışan İşçilerin Su Tüketimlerinin ve Çeşitli Alanlarda İçme Kullanma suyu Tercihlerinin Değerlendirilmesi**
BAHADIR Ü., TEMEL B. A. , Demirtaş Y., TOĞAN V., BAŞAĞA H. B. , DİLAVER İ., TOPBAŞ M.
2. Uluslararası Su ve Sağlık Kongresi, Antalya, Turkey, 13 - 17 February 2017
- XV. **Ev İşlerinde Su İle İlgili Riskler**
ÇAN G., YEŞİLBAŞ ÜÇÜNCÜ Ş., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.
II. Uluslararası Su Ve Sağlık Kongresi, 13 - 17 February 2017
- XVI. **Reducing Water Consumption with Sustainable Building Design A Case Study**
BAHADIR Ü., Thomollari X., TOĞAN V., Tokdemir O.

2. Uluslararası Su ve Sağlık Kongresi, Antalya, Turkey, 13 February 2017 - 17 February 2017
- XVII. **Türkiye’de Bina Şantiye Sahalarında Su Deposu Kullanımı: İnşaat Mühendislerinde Yapılan İnternet Tabanlı Bir Çalışma**
TOĞAN V., BAŞAĞA H. B. , DEDE T., Kolaylı C. C. , Şahin K., TOPBAŞ M.
2. Uluslararası Su ve Sağlık Kongresi, Antalya, Turkey, 13 - 17 February 2017
- XVIII. **Ev İşlerinde Su ile İlgili Riskler**
ÇAN G., Yeşilbaş Ş., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.
2. Uluslararası Su ve Sağlık Kongresi, 13 - 17 February 2017
- XIX. **Trabzon ilinde İnşaat Sektöründe Çalışan İşçilerin Su Tüketimlerinin ve Çeşitli Alanlarda İçme Kullanma Suyu Tercihlerinin Değerlendirilmesi**
BAHADIR Ü., TEMEL B. A. , DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B. , DİLAVER İ., TOPBAŞ M.
2. Water and Health Congress, 13 - 17 February 2017
- XX. **Türkiye’de bina şantiye sahalarında su deposu kullanımı: İnşaat mühendisliğinde yapılan internet tabanlı bir çalışma**
TOĞAN V., BAŞAĞA H. B. , DEDE T., cevriye ceyda k., şahin k., TOPBAŞ M.
2. uluslararası su ve sağlık kongresi, 13 - 17 February 2017
- XXI. **TRABZON İLİNDE İNŞAAT SEKTÖRÜNDE ÇALIŞAN İŞÇİLERİN SU TÜKETİMLERİNİN VE ÇEŞİTLİ ALANLARDA İÇME KULLANMA SUYU TERCİHLERİNİN DEĞERLENDİRİLMESİ**
BAHADIR Ü., TEMEL B. A. , DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B. , DİLAVER İ., TOPBAŞ M.
2nd International Water and Health Congress, Antalya, Turkey, 13 - 17 February 2017, pp.549-551
- XXII. **Trabzon İlinde İnşaat Sektöründe Çalışan İşçilerin Su Tüketimlerinin ve Çeşitli Alanlarda İçme Kullanma Suyu Tercihlerinin Değerlendirilmesi**
BAHADIR Ü., TEMEL B. A. , DEMİRTAŞ Y., TOĞAN V., BAŞAĞA H. B. , DİLAVER İ., TOPBAŞ M.
2nd International Water and Health Congress, Antalya, Turkey, 13 - 17 February 2017, pp.549-551
- XXIII. **Ev işlerinde Su ile İlişkili Riskler**
ÇAN G., YEŞİLBAŞ ÜÇÜNCÜ Ş., TOPBAŞ M., BEYHUN N. E. , TOĞAN V.
2nd International Water and Health Congress, Antalya, Turkey, 13 February - 17 March 2017, pp.402
- XXIV. **Mevcut Binalarda BIM Kullanımı: Vaka Çalışması**
BAHADIR Ü., TOĞAN V., BAŞAĞA H. B.
4. Proje ve Yapım Yönetim Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.780-785
- XXV. **Yaklaşık Maliyetin Yüklenici Seçimindeki Rolü**
BAŞAĞA H. B. , TOĞAN V.
4. Proje ve Yapım Yönetimi Kongresi, Eskişehir, Turkey, 3 - 05 November 2016, pp.954-963
- XXVI. **Simultaneous topology and sizing optimization of trusses with two different optimization algorithms**
Mortazavi A., TOĞAN V., DALOĞLU A., Nuhuğlu A.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-8
- XXVII. **Time-Cost Trade-Off Optimization Using Siemens’s Effective Cost Slope Method**
Eirgash M. A. , TOĞAN V.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-7
- XXVIII. **Investigation of the effect of Teaching Factor on Optimization Process**
Mortazavi A., TOĞAN V., DALOĞLU A.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-8
- XXIX. **Enterprise Resource Planning Implementation: A Review in Construction Field**
Thomollari X., TOĞAN V.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-6
- XXX. **Karadeniz Teknik Üniversitesi İnşaat Mühendisliği Bölümü Öğrencilerinin Profili**
KAMBER G., BAŞAĞA H. B. , TOĞAN V.
3. İnşaat Mühendisliği Eğitimi Sempozyumu, Ankara, Turkey, 8 - 09 January 2016, pp.187-197
- XXXI. **6331 Sayılı Kanunun İşverenler ve İşveren Vekilleri Tarafından Algılanma Düzeyi; Trabzon Ölçeğinde**
BAŞAĞA H. B. , TOĞAN V., TEMEL B. A.
3. Proje ve Yapım Yönetim Kongresi, 3.PYYK, Antalya, Turkey, 6 - 08 November 2014, pp.1201-1209

- XXXII. **Bulanık Çıkarım Mantığı Kullanılarak Yapı İşlerinde Risk Değerlendirmesi**
Çebi A., TOĞAN V.
3. Proje ve Yapım Yönetim Kongresi, 3.PYYK, Antalya, Turkey, 6 - 08 November 2014, pp.1388-1398
- XXXIII. **Particle Swarm Optimizer integrated with fly-back mechanism and weighted particle for optimization of the truss structures**
Mortazavi A., TOĞAN V.
Advances in Civil Engineering, ACE 2014, İstanbul, Turkey, 21 - 25 October 2014, pp.1-6
- XXXIV. **İnşaat İşlerindeki Korkuluk Uygulamaları Üzerine Değerlendirmeler**
TOĞAN V., BAŞAĞA H. B. , TEMEL B. A.
Yedinci Uluslararası İş Sağlığı ve Güvenliği Konferansı, İstanbul, Turkey, 4 - 07 May 2014, pp.1-6
- XXXV. **Ceket tipi açık deniz platformunun güvenilirliğe dayalı optimizasyonu**
TOĞAN V., DALOĞLU A., Karadeniz H.
4. Ulusal Çelik Yapılar Sempozyumu, İstanbul, Turkey, 24 - 26 October 2011, pp.263-272
- XXXVI. **Kafes sistemlerin sezgisel yöntemler ile optimizasyonu ve otomatik eleman gruplandırması**
TOĞAN V., DALOĞLU A.
4. Ulusal Çelik Yapılar Sempozyumu, İstanbul, Turkey, 24 - 26 October 2011, pp.305-313
- XXXVII. **Optimization of jacket type offshore tower under uncertainties**
TOĞAN V., Karadeniz H., DALOĞLU A.
ASME International Mechanical Engineering Congress and Exposition, Florida, United States Of America, 13 - 19 November 2009, vol.13, pp.239-245
- XXXVIII. **Reliability based optimization of monopod offshore towers using an integrated algorithm**
Karadeniz H., TOĞAN V., DALOĞLU A.
13th Congress of Intl. Maritime Assoc. of Mediterranean, İstanbul, Turkey, 12 - 15 October 2009, vol.3, pp.1107-1112
- XXXIX. **RELIABILITY BASED OPTIMIZATION OF STEEL MONOPOD OFFSHORE-TOWERS**
Karadeniz H., TOĞAN V., Vrouwenvelder T.
27th International Conference on Offshore Mechanics and Arctic Engineering, Estoril, Portugal, 15 - 20 June 2008, vol.2, pp.185-195
- XL. **A finite element program based on object-oriented framework for spatial trusses**
TOĞAN V., Bekiroglu S.
International Conference on Systems, Computing Science and Software Engineering, Connecticut, United States Of America, 4 - 14 December 2006, pp.445-450
- XLI. **A finite element program based on object-oriented framework for spatial trusses**
TOĞAN V., Bekiroğlu S.
International Conference on Systems, Computing Science and Software Engineering, Ct, United States Of America, 4 - 14 December 2006, pp.445-4450
- XLII. **Adaptive approaches in genetic algorithms to catch the global optimum**
TOĞAN V., DALOĞLU A.
Seventh International Congress on Advances in Civil Engineering, İstanbul, Turkey, 11 - 13 October 2006, pp.1-5
- XLIII. **Optimization of roof trusses under the snow loads given in Turkish code and the GIS-Based snow map**
TOĞAN V., Durmaz M., DALOĞLU A.
11th Conference for Computer-Aided Engineering and System Modeling, Bolu, Turkey, 13 - 15 September 2006, pp.1-9
- XLIV. **A Comparative optimization for the optimum design of structures using genetic algorithm**
TOĞAN V., SEYHUN M. O. , DALOĞLU A.
11th Conference for Computer-Aided Engineering and System Modeling, Bolu, Turkey, 13 - 15 September 2006, pp.1-8
- XLV. **Probabilistic analysis and optimization considering failure probability: Application on engineering structures**
TOĞAN V., Baitsch M.

11th Conference for Computer-Aided Engineering and System Modeling, Bolu, Turkey, 13 - 15 September 2006, pp.1-6

XLVI. Configuration optimization of bridge trusses using genetic algorithms

TOĞAN V., DALOĞLU A.

Sixth International Congress on Advances in Civil Engineering, İstanbul, Turkey, 6 - 08 October 2004, pp.803-812

XLVII. Çelik Kafes köprü kirişlerinin genetik algoritma ile optimum tasarımı

TOĞAN V., DALOĞLU A.

Türkiye İnşaat Mühendisliği 17. Teknik Kongre ve Sergisi, İstanbul, Turkey, 15 - 17 April 2004, pp.142-144

XLVIII. Size and shape optimization of roof trusses with genetic algorithms

TOĞAN V., DALOĞLU A.

Third International Advanced Technologies Symposium, Ankara, Turkey, 18 - 20 August 2003, pp.301-313

XLIX. Genetik algoritma ile paralel başlıklı düzlem kafes sistemlerin şekil ve boyut optimizasyonu

TOĞAN V., DALOĞLU A.

. Kocaeli 2003 Deprem Sempozyumu, Kocaeli, Turkey, 12 - 14 March 2003, pp.508-515

Other Publications

I. 2012 ve 2013 Yılları SGK İş Kazası İstatistiklerinin Karşılaştırmalı Analizi

TOĞAN V., BAŞAĞA H. B. , DEDE T., TEMEL B. A. , KAMBER YILMAZ G.

Other, pp.27-37, 2015

II. İş Güvenliği Mevzuatı ile İlgili Standartlara göre Yapı İşlerinde Kullanılacak İskelelerde Aranılan Özellikler

TOĞAN V., BAŞAĞA H. B. , DEDE T., TEMEL B. A.

Other, pp.8-15, 2015

III. Failure Investigation of A Roof Truss in The Eastern Black Sea Region Due To The Snow Load

TOĞAN V., Durmaz M., DALOĞLU A.

Other, pp.30-42, 2009

Supported Projects

ÇAN G., TOĞAN V., YEŞİLBAŞ ÜÇÜNCÜ Ş., BEYHUN N. E. , TOPBAŞ M., Project Supported by Higher Education Institutions, Ev İşlerinin İş Sağlığı ve Güvenliği Bakış Açısıyla Değerlendirilmesi ve Rehber Geliştirme Çalışması, 2016 - 2017

Activities in Scientific Journals

Journal of Construction Engineering, Management & Innovation, First Editor, 2018 - Continues

Advances in Civil Engineering, Special Issue Editor, 2017 - 2017

Scientific Refereeing

Advances in Engineering Software, SCI Journal, January 2018

Arabian Journal for Science and Engineering, SCI Journal, January 2018

Applied Soft Computing, SCI Journal, November 2017

Computers and Structures, SCI Journal, October 2017

Advances in Engineering Software, SCI Journal, July 2017

Engineering Optimization, Journal Indexed in SSCI, May 2017

Structural and Multidisciplinary Optimization, SCI Journal, January 2017

Citations

Total Citations (WOS):659

h-index (WOS):13

Scholarships

Yurt dıřı Doktora Arařtırma, TUBITAK, 2007 - Continues

Sokrates/Erasmus, University, 2004 - Continues

Awards

TOĐAN V., Yayın Teřvik Ödülleri, TÜBİTAK, June 2013

ERASLAN İ., TOĐAN V., Bölüm BirinciliĐi, KTÜ İnřaat Müh. Bölümü, July 2000

Non Academic Experience

Business Establishment Private, Handyman