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Education Information

Post Doctorate, Czestochowa University Of Technology, Faculty Of Civil Engineering, Poland 2019 - 2019

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 2003 - 2009

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, Turkey 2000 - 2003

Under Graduate, Karadeniz Technical University, Mühendislik Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1996 - 2000

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Teaching Staff Mobility, Czestochowa University of Technology, Faculty of Civil Engineering, 2018

Occupational Health and Safety, C Sınıfı İş Güvenliği Uzmanlığı Belgesi, ÇALIŞMA VE SOSYAL GÜVENLİK BAKANLIĞI - İŞ SAĞLIĞI VE GÜVENLİĞİ GENEL MÜDÜRLÜĞÜ - MERKEZ BİRİM, 2014

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitimci Belgesi, ÇALIŞMA VE SOSYAL GÜVENLİK BAKANLIĞI - İŞ SAĞLIĞI VE GÜVENLİĞİ GENEL MÜDÜRLÜĞÜ - MERKEZ BİRİM, 2013

Dissertations

Doctorate, Farklı Kriterler Kullanılarak Betonarme Kirişlerin Malzeme Bakımından Doğrusal Olmayan Davranışının Karşılaştırmalı Olarak İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2009

Post Graduate, Değer Kodlaması Kullanarak Kafes Sistemlerin Genetik Algoritma ile Minimum Ağırlıklı Boyutlandırılması, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Bölümü, 2003

Research Areas

Civil Engineering, Structure, Structural Engineering, Concrete Structures, Building Management, Construction Management, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2015 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2015

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2001 - 2009

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

- **Optimum design of reinforced concrete counterfort retaining walls using TLBO, Jaya algorithm**
Tahsin Öztürk H., DEDE T., TÜRKER E.
Structures, vol.25, pp.285-296, 2020 (Journal Indexed in SCI)
- **Optimization of cables size and prestressing force for a single pylon cable-stayed bridge with Jaya algorithm**
ATMACA B., DEDE T., Grzywinski M.
STEEL AND COMPOSITE STRUCTURES, vol.34, pp.853-862, 2020 (Journal Indexed in SCI)
- **Continuous size optimization of large-scale dome structures with dynamic constraints**
DEDE T., Grzywinski M., Selejdak J.
STRUCTURAL ENGINEERING AND MECHANICS, vol.73, pp.397-405, 2020 (Journal Indexed in SCI)
- **Design of reinforced concrete cantilever retaining wall using Grey wolf optimization algorithm**
Kalemci E. N. , İKİZLER S. B. , DEDE T., ANGIN Z.
STRUCTURES, vol.23, pp.245-253, 2020 (Journal Indexed in SCI)
- **Shape and size optimization of trusses with dynamic constraints using a metaheuristic algorithm**
Grzywinski M., Selejdak J., DEDE T.
STEEL AND COMPOSITE STRUCTURES, vol.33, pp.747-753, 2019 (Journal Indexed in SCI)
- **Shape and Size Optimization of Trusses with Dynamic Constraints Using a Metaheuristic Algorithm**
Grzywinski M., Selejdak J., DEDE T.
STEEL AND COMPOSITE STRUCTURES, vol.33, no.5, pp.747-753, 2019 (Journal Indexed in SCI Expanded)
- **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, pp.139-151, 2019 (Journal Indexed in SCI)
- **Optimization of the braced dome structures by using Jaya algorithm with frequency constraints**
Grzywinski M., DEDE T., ÖZDEMİR Y. I.
STEEL AND COMPOSITE STRUCTURES, vol.30, pp.47-55, 2019 (Journal Indexed in SCI)
- **Prediction and Analysis of Optimal Frequency of Layered Composite Structure using Higher-Order FEM and Soft Computing Techniques**
Das A., Hirwani C. K. , Panda S. K. , TOPAL U., DEDE T.
STEEL AND COMPOSITE STRUCTURES, vol.-, pp.1-16, 2019 (Journal Indexed in SCI Expanded)
- **Optimal deflection and stacking sequence prediction of curved composite structure using hybrid (FEM and soft computing) technique**
Sharma N., Lalepalli A. K. , Hirwani C. K. , Das A., Panda S. K. , TOPAL U., DEDE T.
Engineering with Computers, 2019 (Journal Indexed in SCI Expanded)
- **Artificial Intelligence Applications in Civil Engineering**
DEDE T., Kankal M., Vosoughi A. R. , Grzywinski M., Kripka M.
ADVANCES IN CIVIL ENGINEERING, vol.2019, 2019 (Journal Indexed in SCI)
- **Prediction and analysis of optimal frequency of layered composite structure using higher-order FEM and soft computing techniques**
Das A., Hirwani C. K. , Panda S. K. , TOPAL U., DEDE T.
STEEL AND COMPOSITE STRUCTURES, vol.29, pp.749-758, 2018 (Journal Indexed in SCI)
- **Prediction and Analysis of Optimal Frequency of Layered Composite Structure using Higher-Order FEM and Soft Computing Techniques**
Das A., Hirwani C. K. , Panda S. K. , TOPAL U., DEDE T.
STEEL AND COMPOSITE STRUCTURES, vol.29, no.6, pp.745-754, 2018 (Journal Indexed in SCI Expanded)
- **Buckling load optimization of laminated plates resting on Pasternak foundation using TLBO**
TOPAL U., Trung Vo-Duy T. V. , DEDE T., Nazarimofrad E.
STRUCTURAL ENGINEERING AND MECHANICS, vol.67, pp.617-628, 2018 (Journal Indexed in SCI)
- **A hybrid DQ-TLBO technique for maximizing first frequency of laminated composite skew plates**
Vosoughi A. R. , Malekzadeh P., TOPAL U., DEDE T.
STEEL AND COMPOSITE STRUCTURES, vol.28, pp.509-516, 2018 (Journal Indexed in SCI)
- **A coupled DQ-TLBO for frequency maximization of laminated composite skew plates**
Vosoughi A. R. , Malekzadeh P., TOPAL U., DEDE T.

STEEL AND COMPOSITE STRUCTURES, vol.1, pp.1-15, 2018 (Journal Indexed in SCI Expanded)

- **Jaya algorithm to solve single objective size optimization problem for steel grillage structures**
DEDE T.

STEEL AND COMPOSITE STRUCTURES, vol.26, pp.163-170, 2018 (Journal Indexed in SCI)

- **Advanced Optimization Techniques and Their Applications in Civil Engineering**

DEDE T., Kripka M., TOĞAN V., Yepes V., Rao R. V.

ADVANCES IN CIVIL ENGINEERING, 2018 (Journal Indexed in SCI)

- **Jaya Algorithm to Solve Single Objective Size Optimization Problem for Steel Grillage Structures**
DEDE T.

STEEL AND COMPOSITE STRUCTURES, vol.26, no.2, pp.-163--170, 2018 (Journal Indexed in SCI Expanded)

- **Stacking Sequence Optimization for Maximum Fundamental Frequency of Simply Supported Antisymmetric Laminated Composite Plates using Teaching-Learning-Based Optimization**

TOPAL U., DEDE T., ÖZTÜRK H. T.

KSCE JOURNAL OF CIVIL ENGINEERING, vol.21, pp.2281-2288, 2017 (Journal Indexed in SCI)

- **Modeling stream dissolved oxygen concentration using teaching-learning based optimization algorithm**

BAYRAM A., UZLU E., Kankal M., DEDE T.

ENVIRONMENTAL EARTH SCIENCES, vol.73, pp.6565-6576, 2015 (Journal Indexed in SCI)

- **Combined size and shape optimization of structures with a new meta-heuristic algorithm**

DEDE T., AYVAZ Y.

APPLIED SOFT COMPUTING, vol.28, pp.250-258, 2015 (Journal Indexed in SCI)

- **A teaching learning based optimization for truss structures with frequency constraints**

DEDE T., TOĞAN V.

STRUCTURAL ENGINEERING AND MECHANICS, vol.53, pp.833-845, 2015 (Journal Indexed in SCI)

- **Prediction of berm geometry using a set of laboratory tests combined with teaching-learning-based optimization and artificial bee colony algorithms**

UZLU E., Komurcu M. I., Kankal M., DEDE T., ÖZTÜRK H. T.

APPLIED OCEAN RESEARCH, vol.48, pp.103-113, 2014 (Journal Indexed in SCI)

- **Estimates of energy consumption in Turkey using neural networks with the teaching-learning-based optimization algorithm**

UZLU E., Kankal M., Akpınar A., DEDE T.

ENERGY, vol.75, pp.295-303, 2014 (Journal Indexed in SCI)

- **Application of Teaching-Learning-Based-Optimization algorithm for the discrete optimization of truss structures**

Dede T.

KSCE JOURNAL OF CIVIL ENGINEERING, vol.18, pp.1759-1767, 2014 (Journal Indexed in SCI)

- **Optimum design of grillage structures to LRFD-AISC with teaching-learning based optimization**

Dede T.

STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.48, pp.955-964, 2013 (Journal Indexed in SCI)

- **Composed material models for nonlinear behavior of reinforced concrete**

DEDE T., AYVAZ Y.

COMPUTERS AND CONCRETE, vol.12, pp.303-318, 2013 (Journal Indexed in SCI)

- **Structural optimization with teaching-learning-based optimization algorithm**

DEDE T., AYVAZ Y.

STRUCTURAL ENGINEERING AND MECHANICS, vol.47, pp.495-511, 2013 (Journal Indexed in SCI)

- **Materially nonlinear free vibration analysis of reinforced concrete beam**

DEDE T., Ayvaz Y., ÖZDEMİR Y. I.

JOURNAL OF VIBRATION AND CONTROL, vol.17, pp.1090-1098, 2011 (Journal Indexed in SCI)

- **Weight minimization of trusses with genetic algorithm**

DEDE T., Bekiroglu S., AYVAZ Y.

APPLIED SOFT COMPUTING, vol.11, pp.2565-2575, 2011 (Journal Indexed in SCI)

- **Comparative study of plasticity models for concrete material by using different criteria including Hsieh-Ting-Chen criterion**

DEDE T., Ayvaz Y.

MATERIALS & DESIGN, vol.31, pp.1482-1489, 2010 (Journal Indexed in SCI)

- **Plasticity models for concrete material based on different criteria including Bresler-Pister**
DEDE T., Ayvaz Y.
MATERIALS & DESIGN, vol.31, pp.278-286, 2010 (Journal Indexed in SCI)
- **Nonlinear analysis of reinforced concrete beam with/without tension stiffening effect**
DEDE T., Ayvaz Y.
MATERIALS & DESIGN, vol.30, pp.3846-3851, 2009 (Journal Indexed in SCI)
- **Implementation of different encoding types on structural optimization based on adaptive genetic algorithm**
Bekiroglu S., DEDE T., Ayvaz Y.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.45, pp.826-835, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Binaların Kontrollü Yıkımı için Simülasyon Programı Tasarımı**
TÜRKER T., Tavşan V., DEDE T.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi (TR-DİZİN), vol.8, pp.391-409, 2020 (National Refreed University Journal)
- **New optimization algorithms and their application for 2D truss structures**
Grzywinski M., DEDE T.
Zeszyty Naukowe Politechniki Czestochowskiej, vol.25, pp.50-54, 2020 (International Refereed University Journal)
- **Binaların Kontrollü Yıkımı için Simülasyon Programı Tasarımı**
TÜRKER T., Tavşan V., DEDE T.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi (TR-DİZİN), vol.8, pp.391-409, 2020 (National Refreed University Journal)
- **2007-2018 Türk Deprem Yönetmeliklerinde Yapı Elemanları Çıkarma Senaryoları ve Bina Periyotlarının Karşılaştırılması**
Aslay S. E. , DEDE T.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.0, 2020 (Journal Indexed in ESCI)
- **Rao_1 Optimizasyon Algoritması Kullanılarak Taban Plağı Dışlı Betonarme Konsol İstinat Duvarı Tasarımı**
Kalemci E. N. , İKİZLER S. B. , DEDE T., ANGIN Z.
Uludağ University Journal of The Faculty of Engineering, vol.24, pp.291-308, 2019 (National Refreed University Journal)
- **Optimization of post-tensioning forces in stay-cables of cable-stayed bridges**
ATMACA B., DEDE T.
Construction of optimized energy potential, vol.8, pp.69-76, 2019 (International Refereed University Journal)
- **Rao_1 Optimizasyon Algoritması Kullanılarak Taban Plağı Dışlı Betonarme Konsol İstinat Duvarı Tasarımı**
Kalemci E. N. , İKİZLER S. B. , DEDE T., ANGIN Z.
Uludağ University Journal of The Faculty of Engineering, vol.24, pp.291-308, 2019 (National Refreed University Journal)
- **Optimization of post-tensioning forces in stay-cables of cable-stayed bridges**
ATMACA B., Grzywinski M., DEDE T.
Construction of optimized energy potential, vol.8, pp.69-76, 2019 (International Refereed University Journal)
- **Rao_1 Optimizasyon Algoritması Kullanılarak Taban Plağı Dışlı Betonarme Konsol İstinat Duvarı Tasarımı (TR-DİZİN)**
KALEMCI E. N. , İKİZLER S. B. , DEDE T., ANGIN Z.
Uludağ University Journal of The Faculty of Engineering, vol.24, pp.291-308, 2019 (National Refreed University Journal)
- **İnşaat Sektöründe İş Güvenliği Mevzuatlarının Algılanabilirliği**
DEDE T., Baltacı Y.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi (TR-DİZİN), vol.7, pp.1087-1099, 2019 (National Refreed University Journal)
- **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.1, pp.1-17, 2019 (Refereed Journals of Other Institutions)

- **Application of MOO Techniques for the Time-Cost Trade off Problems in Civil Engineering**

DEDE T., Kamil S.

Current Trends in Civil & Structural Engineering, vol.1, no.3, pp.1-2, 2019 (Refereed Journals of Other Institutions)

- **Metaheuristic Optimization Algorithms and Civil Engineering**

DEDE T.

Current Trends in Civil & Structural Engineering, vol.1, no.1, pp.1-2, 2018 (Refereed Journals of Other Institutions)

- **Decision-Making Process Techniques Used in the Optimization of Construction Projects**

DEDE T.

Engineering Sciences (NWSAENS), vol.-, no.2, pp.128-136, 2018 (Refereed Journals of Other Institutions)

- **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, pp.412-419, 2017 (Refereed Journals of Other Institutions)

- **Parametric analysis of thick plates subjected to earthquake excitations**

ÖZDEMİR Y. I. , Ayvaz Y., DEDE T.

CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.1, pp.9-12, 2015 (Refereed Journals of Other Institutions)

- **PARAMETRIC ANALYSIS OF THICK PLATES SUBJECTED TO EARTHQUAKE EXCITATIONS**

ÖZDEMİR Y. I. , Ayvaz Y., Dede T.

CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, no.1, pp.9-12, 2015 (Refereed Journals of Other Institutions)

- **Betonun Doğrusal Olmayan Analizinde Kullanılan Kriterler**

DEDE T., Ayvaz Y.

Fırat Üniv. Fen ve Müh. Bil. Dergisi, vol.24, no.2, pp.151-159, 2009 (National Refereed University Journal)

- **Least Weight Design of Space Trusses By Using Value Encoding in GA with Discrete Design Variables**

DEDE T., Bekiroglu S., Ayvaz Y.

e-Journal of New World Sciences Academy, vol.4, pp.414-427, 2009 (International Refereed University Journal)

- **Betonun Gerilme-Şekildeğiştirme Eğrileri**

DEDE T., Ayvaz Y.

Yapı Dünyası Dergisi, vol.160, pp.52-58, 2009 (Other Refereed National Journals)

Book & Book Chapters

- **Jaya: A New Meta-heuristic Algorithm for the Optimization of Braced Dome Structures**

DEDE T., Grzywinski M., Rao R. V.

in: Advanced Engineering Optimization Through Intelligent Techniques, R. Venkata Rao and J. Taler , Editor, Springer, -, pp.13-19, 2019

Refereed Congress / Symposium Publications in Proceedings

- **Cables Size Optimization of Cable-Stayed Bridge**

ATMACA B., DEDE T., Grzywinski M., SELEJDAK J.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.431-439

- **Barrel Vault Structure Optimization Using Rao-1 Algorithm**

DEDE T., Grzywinski M., RAO R. V.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1011-1019

- **Discrete Optimization of Large-Scale Dome Structure**

DEDE T., Grzywinski M.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.379-386

- **TRUSS OPTIMIZATION WITH FREQUENCY CONSTRAINTS BASED ON TLBO ALGORITHM**
Grzywinski M., Selejdak J., DEDE T.
4th Polish Congress of Mechanics & 23rd International Conference on Computer Methods in Mechanic, Krakow, Poland, 8 - 12 September 2019, pp.1-7
- **The Dynamic Behavior and Response of a Thick Plate at the Kocaeli Earthquake in Turkey**
ÖZDEMİR Y. I. , DEDE T.
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, Hatay, Turkey, 13 - 15 June 2019, pp.1288-1298
- **İstatistiksel Ölçek İndirgeme Yöntemi ile NCEP/NCAR re-analiz Verilerinin Doğu Karadeniz Havzası Aylık Yağış ve Sıcaklık Değerlerine İndirgenmesi**
NACAR S., KANKAL M., OKKAN U., DEDE T.
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, Hatay, Turkey, 13 - 15 June 2019, vol.1, no.1, pp.470-483
- **Yapım İşlerinde Kaynak Dengeleme Problemleri İçin Sezgisel Yöntemlerin Uygulanması**
Orozbaev N., DEDE T.
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, Hatay, Turkey, 13 - 15 June 2019, pp.797-805
- **İstatistiksel Ölçek İndirgeme Yöntemi ile NCEP/NCAR Re-analiz Verilerinin Doğu Karadeniz Havzası Aylık Yağış ve Sıcaklık Değerlerine İndirgenmesi**
NACAR S., Kankal M., Okkan U., DEDE T.
International Conference on Innovation, Sustainability, Technology and Education in Civil Engineering, Hatay, Turkey, 13 - 15 June 2019, pp.470-483
- **Structural Damage Detection Based On ANN Using Changes In Frequencies**
TÜRKER T., DEMİRTAŞ B., DEDE T.
4. International Conference on Civil, Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20 - 22 April 2019, pp.926-937
- **A Measurement System For Natural Frequencies Identification Of Structures By Operational Modal Analysis**
YANIK Y., TÜRKER T., Yıldırım Ö., DEDE T.
4. International Conference on Civil, Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20 - 22 April 2019, pp.276-284
- **Numerical Investigation of The Effect of Carrier Elements on Structure Dynamic Properties in 3-D Frame Structure**
DEDE T., ASLAYS S. E.
4. International Conference on Civil, Environmental, Geology and Mining Engineering, Trabzon, Turkey, 20 - 22 April 2019, pp.285-292
- **Jaya: A new meta-heuristic algorithm for the optimization of braced dome structures**
DEDE T., Grzywinski M., Rao R. V.
International Conference on "Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT), Gujarat State,, India, 3 - 05 August 2018, pp.1-8
- **Payandalı Betonarme İstinat Duvarlarının JAYA Algoritmasıyla Optimum Tasarımı**
ÖZTÜRK H. T. , DEDE T.
Uluslararası Katılımlı 7.Geoteknik Sempozyumu, İstanbul, Turkey, 22 - 24 November 2017, pp.939-950
- **Enerji Verimliliğinin Sağlanması Hususunda Yalıtımda İlk Yatırım Maliyetlerinin İncelenmesi**
Kuk İ. E. , DEDE T.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, Samsun, Turkey, 6 - 07 October 2017, pp.271-281
- **IPARD Kapsamında Desteklenen AB Projelerinin Sözleşme Öncesi ve Sözleşme Sonrası Süreçlerinin Değerlendirilmesi**
Sezgin S., DEDE T.
Uluslararası Katılımlı 7. İnşaat Yönetimi Kongresi, Samsun, Turkey, 6 - 07 October 2017, pp.353-363

- **JAYA Algorithm for the Optimization of 2D Truss Structures using SAP2000 and MATLAB**
 DEDE T.
 2nd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.953-959
- **Decision-making Process Techniques used in the Optimization of Construction Projects**
 DEDE T.
 2nd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 21 - 23 September 2017, pp.946-952
- **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
- **Integration of Structural Analysis Software for 3D-Design of Counterfort Retaining wall**
 DEDE T., ÖZTÜRK H. T.
 International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.1-7
- **Material Properties Identification of Structural Elements by Model Updating Method**
 YANIK Y., TÜRKER T., Yıldırım Ö., DEDE T.
 International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017, pp.1-10
- **Nonlinear Modeling of Reinforced Concrete Beam**
 DEDE T., Ayvaz Y., Bekiroglu S., Çelik H.
 8th International Congress on Advances in Civil Engineering, Eastern Mediterranean University, Famagusta, Cyprus (Kkctc), 15 - 17 September 2008, pp.135-142
- **Constitutive modeling of concrete by using Saenz nonlinear stress-strain equation and von Mises criterion**
 DEDE T., Ayvaz Y.
 International Symposium on Advances in Earthquake & Structural Engineering, Antalya, Turkey, 24 - 26 October 2007, pp.134-141
- **A Comparison Study for Materially Nonlinear Analysis of Reinforced Concrete Structures**
 DEDE T., Ayvaz Y.
 International Symposium on Advances in Earthquake & Structural Engineering, Antalya, Turkey, 24 - 26 October 2007, pp.153-162
- **Two-Dimensional Finite Element Model For Materially Nonlinear Analysis Of Reinforced Concrete Beams**
 DEDE T., Ayvaz Y.
 Proceedings Of The Eleventh International Conference On Civil, Structural And Environmental Engineering Computing, St. Julians, Malta, 18 - 21 September 2007, pp.1-12
- **Effects Of Some Parameters In A Genetic Algorithm For Large Truss Structures**
 DEDE T., Bekiroglu S., Ayvaz Y.
 Proceedings Of The Ninth International Conference On The Application Of Artificial Intelligence To Civil, Structural And Environmental Engineering, St. Julians, Malta, 18 - 21 September 2007, pp.1-11
- **Düzlem Kafes Sistemlerin Lineer ve Lineer Olmayan Davranışları Dikkate Alınarak Genetik Algoritma İle Optimizasyonu**
 DEDE T., Ayvaz Y.
 2. çelik yapılar ulusal sempozyumu, Eskişehir, Turkey, 10 - 11 May 2007, pp.116-126
- **Betonarme Yapıların Lineer Olmayan Davranışının Modellenmesi**
 DEDE T., Çelik H., Bekiroglu S.
 Proceeding of ACE 2006 Advances in Civil Engineering 7th International Conference, İstanbul, Turkey, 11 - 13 October 2006, pp.1-10
- **Genetik Algoritmalarda Bazı Parametrelerin Etkisi**
 DEDE T., Ayvaz Y., Bekiroglu S.
 Proceeding of ACE 2006 Advances in Civil Engineering 7th International Conference, İstanbul, Turkey, 11 - 13 October 2006, pp.1-10
- **Optimization of Steel Frame with Genetic Algorithm Using Different Encoding Types**
 Bekiroglu S., Ayvaz Y., DEDE T.
 Proceeding of ACE 2004 Advances in Civil Engineering 6th International Conference, İstanbul, Turkey, 06 October

2004, pp.241-250

- **Genetik algoritma ile çelik düzlem çerçevelerin optimizasyonu**

Bekiroglu S., Ayvaz Y., DEDE T.

Türkiye İnşaat Mühendisliği Teknik Kongre ve Sergisi, İstanbul, İstanbul, Turkey, 15 - 17 April 2004, pp.1-12

- **Optimization of Truss Structures Using Value Encoding in a Genetic Algorithm.**

DEDE T., Ayvaz Y., Bekiroglu S.

Proceeding of the Seventh International Conference on the Application of Artificial Intelligence to Civil and Structural Engineering, Egmond Aan Zee, Netherlands, 2 - 04 September 2003, pp.1-38

- **Değer Kodlaması Kullanarak Kafes Sistemlerin Genetik Algoritma İle Minimum Ağırlıklı Boyutlandırılması**

DEDE T., Ayvaz Y., Bekiroglu S.

3rd International Advanced Technologies Symposium, Ankara, Turkey, 18 - 20 August 2003, pp.287-300

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Awards

DEDE T., ICADET 2017 Best Presentation, 2nd International Conference on Advanced Engineering Technologies, September 2017