

Prof. OĞUZHAN HASANÇEBİ

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1996 - 2001

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1994 - 1996

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1989 - 1994

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Optimum structural design using analogies to natural processes, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2001

Postgraduate, Use of genetic algorithms in optimum design of space trusses, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 1996

Research Areas

Structure, Structural Engineering, Steel Structures, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Repair and Strengthening in Buildings, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2014 - Continues
Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2009 - 2014

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2004 - 2009

Lecturer PhD, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2004 - 2004

Expert, Drexel University, Drexel Infrastructure Institute, İnşaat Mühendisliği Bölümü, 2001 - 2003

Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 1996 - 2000

Academic and Administrative Experience

University Executive Board Member, KKTC Orta Doğu Teknik Üniversitesi Kampüsü, 2020 - Continues
Vice Rector, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2020 - Continues
Member of the Senate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2020 - Continues
Rektörlük Stratejik Plan Komisyonu Başkanı, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2016 - Continues
Rectorate Commissioner, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2016 - Continues
assistant Secretary General, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2017 - 2020
Head of Department, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2016 - 2020
Birim Stratejik Plan Komisyonu Başkanı, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2017 - 2018
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2016 - 2016
Deputy Head of Department, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2012 - 2016

Courses

DESIGN OF STEEL STRUCTURES, Undergraduate, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
STRUCTURAL OPTIMIZATION, Postgraduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021
FUNDAMENTALS OF STEEL DESIGN, Undergraduate, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014
STRUCTURAL ANALYSIS, Undergraduate, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010
ENGINEERING MECHANICS STATICS, Undergraduate, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2007 - 2008, 2008 - 2009, 2009 - 2010

Advising Theses

Hasançebi O., ROBUST AND PRACTICAL OPTIMIZATION COMPUTING PLATFORM FOR DESIGN OF REAL-WORLD STRUCTURES, Doctorate, A.KOURUCU(Student), Continues
Hasançebi O., MULTI-OBJECTIVE PERFORMANCE BASED DESIGN OPTIMIZATION OF STEEL STRUCTURES, Doctorate, H.ESER(Student), 2021
HASANÇEBİ O., Optimization of onshore steel drilling rigs using the convergence rate approach integrated metaheuristic search algorithms, Postgraduate, R.SALATIN(Student), 2018
HASANÇEBİ O., CAD - integrated size and shape optimization of steel lattice energy transmission line towers using simulated annealing, Doctorate, S.Şahin(Student), 2016
HASANÇEBİ O., Cad-integrated size and shape optimization of steel lattice energy transmission line towers using simulated annealing, Doctorate, S.ŞAHİN(Student), 2016
HASANÇEBİ O., Optimum design of steel structures via artificial bee colony (ABC) algorithm and SAP2000, Postgraduate, C.ESER(Student), 2014
HASANÇEBİ O., Computationally enhanced techniques for practical optimum design of steel structures, Doctorate, S.KAZEMZADEH(Student), 2014

HASANÇEBİ O., A practical optimum design of steel structures with scatter search method and SAP2000, Postgraduate, A.ESAT(Student), 2013

HASANÇEBİ O., Optimum design of steel structures via differential evolution algorithm and application programming interface of SAP2000, Postgraduate, Ö.DEDEKARGINOĞLU(Student), 2012

HASANÇEBİ O., Optimum design of double-layer grid systems: Comparison with current design practice using real-life industrial applications, Postgraduate, Y.AYDINCILAR(Student), 2010

HASANÇEBİ O., Investigating the effect of column orientations on minimum weight design of steel frames, Postgraduate, M.KIZILKAN(Student), 2010

HASANÇEBİ O., Optimal wind bracing systems for multi-storey steel buildings, Postgraduate, İ.YILDIRIM(Student), 2009

HASANÇEBİ O., TÜRER A., Calibration of the finite element model of a long span cantilever through truss bridge using artificial neural networks, Postgraduate, Ö.BURAK(Student), 2008

HASANÇEBİ O., Approximate analysis and condition assesment of reinforced concrete T-beam bridges using artificial neural networks, Postgraduate, T.DUMLUPINAR(Student), 2008

HASANÇEBİ O., Optimum design of pin-jointed 3-D dome structures using global optimization techniques, Postgraduate, Y.Saraç(Student), 2005

HASANÇEBİ O., Optimum design of pin-jointed 3D dome structures using global optimization techniques, Postgraduate, Y.SARAÇ(Student), 2005

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, July, 2021

Doctorate, Doctorate, Dicle Üniversitesi, July, 2021

Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul, June, 2021

Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, May, 2021

Associate Professor Exam, Associate Professor Exam, April, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2021

Appointment Academic Staff, Appointment Academic Staff, Anadolu Üniversitesi, October, 2020

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2020

Competition, International Student Competition in Structural Optimization , Orta Doğu Teknik Üniversitesi, December, 2019

Appointment Academic Staff, Appointment Academic Staff, Malatya Turgut Özal Üniversitesi, December, 2019

Doctorate, Doctorate, Bilecik Şeyh Edebali Üniversitesi, November, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Bilecik Şeyh Edebali Üniversitesi, June, 2019

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, May, 2019

Associate Professor Exam, Associate Professor Exam, February, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi,

January, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi,
January, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi,
January, 2019

Competition, International Student Competition in Structural Optimization , Orta Doğu Teknik Üniversitesi, December,
2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi,
May, 2018

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

- I. **Optimum design of seismic isolation systems using metaheuristic search methods**
ÇERÇEVİK A. E. , Avsar O., HASANÇEBİ O.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.131, 2020 (Journal Indexed in SCI)
- II. **Discrete Sizing of Steel Frames Using Adaptive Dimensional Search Algorithm**
HASANÇEBİ O., Azad S. K.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.63, no.4, pp.1062-1079, 2019 (Journal Indexed in SCI)
- III. **Optimum design of steel lattice transmission line towers using simulated annealing and PLS-TOWER**
Tort C., Sahin S., HASANÇEBİ O.
COMPUTERS & STRUCTURES, vol.179, pp.75-94, 2017 (Journal Indexed in SCI)
- IV. **Cost efficiency analyses of steel frameworks for economical design of multi-storey buildings**
HASANÇEBİ O.
JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH, vol.128, pp.380-396, 2017 (Journal Indexed in SCI)
- V. **Metaheuristics in structural optimization and discussions on harmony search algorithm**
Saka M. P. , HASANÇEBİ O., Geem Z. W.
SWARM AND EVOLUTIONARY COMPUTATION, vol.28, pp.88-97, 2016 (Journal Indexed in SCI)
- VI. **Computationally efficient discrete sizing of steel frames via guided stochastic search heuristic**
Azad S. K. , HASANÇEBİ O.
COMPUTERS & STRUCTURES, vol.156, pp.12-28, 2015 (Journal Indexed in SCI)
- VII. **Discrete sizing optimization of steel trusses under multiple displacement constraints and load cases using guided stochastic search technique**
Azad S. K. , HASANÇEBİ O.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.52, no.2, pp.383-404, 2015 (Journal Indexed in SCI)
- VIII. **Adaptive dimensional search: A new metaheuristic algorithm for discrete truss sizing optimization**
HASANÇEBİ O., Azad S. K.
COMPUTERS & STRUCTURES, vol.154, pp.1-16, 2015 (Journal Indexed in SCI)
- IX. **Improving Computational Efficiency of Bat-Inspired Algorithm in Optimal Structural Design**
Hasanebi O., Azad S. K.
ADVANCES IN STRUCTURAL ENGINEERING, vol.18, no.7, pp.1003-1015, 2015 (Journal Indexed in SCI)
- X. **An elitist self-adaptive step-size search for structural design optimization**
Azad S. K. , HASANÇEBİ O.
APPLIED SOFT COMPUTING, vol.19, pp.226-235, 2014 (Journal Indexed in SCI)
- XI. **Guided stochastic search technique for discrete sizing optimization of steel trusses: A design-driven heuristic approach**
Azad S. K. , HASANÇEBİ O., Saka M. P.
COMPUTERS & STRUCTURES, vol.134, pp.62-74, 2014 (Journal Indexed in SCI)
- XII. **Discrete size optimization of steel trusses using a refined big bang-big crunch algorithm**
HASANÇEBİ O., Azad S. K.
ENGINEERING OPTIMIZATION, vol.46, no.1, pp.61-83, 2014 (Journal Indexed in SCI)

- XIII. **Bat inspired algorithm for discrete size optimization of steel frames**
HASANÇEBİ O., Carbas S.
ADVANCES IN ENGINEERING SOFTWARE, vol.67, pp.173-185, 2014 (Journal Indexed in SCI)
- XIV. **A bat-inspired algorithm for structural optimization**
Hasançebi O., Teke T., Pekcan O.
COMPUTERS & STRUCTURES, vol.128, pp.77-90, 2013 (Journal Indexed in SCI)
- XV. **Detailed load rating analyses of bridge populations using nonlinear finite element models and artificial neural networks**
Hasançebi O., Dumlupinar T.
COMPUTERS & STRUCTURES, vol.128, pp.48-63, 2013 (Journal Indexed in SCI)
- XVI. **Upper Bound Strategy in Optimum Design of Truss Structures: A Big Bang-Big Crunch Algorithm Based Application**
Kazemzadeh Azad S., Hasançebi O., Kazemzadeh Azad S., Erol O. K.
ADVANCES IN STRUCTURAL ENGINEERING, vol.16, pp.1035-1046, 2013 (Journal Indexed in SCI)
- XVII. **Linear and nonlinear model updating of reinforced concrete T-beam bridges using artificial neural networks**
Hasançebi O., Dumlupinar T.
COMPUTERS & STRUCTURES, vol.119, pp.1-11, 2013 (Journal Indexed in SCI)
- XVIII. **Upper bound strategy for metaheuristic based design optimization of steel frames**
Kazemzadeh Azad S., Hasançebi O., Kazemzadeh Azad S.
ADVANCES IN ENGINEERING SOFTWARE, vol.57, pp.19-32, 2013 (Journal Indexed in SCI)
- XIX. **A neural network approach for approximate force response analyses of a bridge population**
Hasançebi O., Dumlupinar T.
NEURAL COMPUTING & APPLICATIONS, vol.22, pp.755-769, 2013 (Journal Indexed in SCI)
- XX. **An exponential big bang-big crunch algorithm for discrete design optimization of steel frames**
Hasançebi O., Azad S. K.
COMPUTERS & STRUCTURES, vol.110, pp.167-179, 2012 (Journal Indexed in SCI)
- XXI. **Optimum design of high-rise steel buildings using an evolution strategy integrated parallel algorithm**
Hasançebi O., Bahcecioğlu T., Kurç Ö., Saka M. P.
COMPUTERS & STRUCTURES, vol.89, pp.2037-2051, 2011 (Journal Indexed in SCI)
- XXII. **Comparison of non-deterministic search techniques in the optimum design of real size steel frames**
Hasançebi O., Carbas S., Dogan E., Erdal F., Saka M. P.
COMPUTERS & STRUCTURES, vol.88, pp.1033-1048, 2010 (Journal Indexed in SCI)
- XXIII. **Adaptive Harmony Search Method for Structural Optimization**
Hasançebi O., Erdal F., Saka M. P.
JOURNAL OF STRUCTURAL ENGINEERING, vol.136, pp.419-431, 2010 (Journal Indexed in SCI)
- XXIV. **Improving the performance of simulated annealing in structural optimization**
Hasançebi O., Carbas S., Saka M. P.
STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.41, pp.189-203, 2010 (Journal Indexed in SCI)
- XXV. **Performance evaluation of metaheuristic search techniques in the optimum design of real size pin jointed structures**
Hasançebi O., Carbas S., Dogan E., Erdal F., Saka M. P.
COMPUTERS & STRUCTURES, vol.87, pp.284-302, 2009 (Journal Indexed in SCI)
- XXVI. **Adaptive evolution strategies in structural optimization: Enhancing their computational performance with applications to large-scale structures**
Hasançebi O.
COMPUTERS & STRUCTURES, vol.86, pp.119-132, 2008 (Journal Indexed in SCI)
- XXVII. **Optimization of truss bridges within a specified design domain using evolution strategies**
Hasançebi O.
ENGINEERING OPTIMIZATION, vol.39, pp.737-756, 2007 (Journal Indexed in SCI)
- XXVIII. **Limitations in structural identification of large constructed structures**

- Catbas F. N. , Ciloglu S. K. , Hasancebi O., Grimmelman K., Aktan A. E.
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, vol.133, pp.1051-1066, 2007 (Journal Indexed in SCI)
- XXIX. **Discrete approaches in evolution strategies based optimum design of steel frames**
Hasancebi O.
STRUCTURAL ENGINEERING AND MECHANICS, vol.26, pp.191-210, 2007 (Journal Indexed in SCI)
- XXX. **Layout optimisation of trusses using simulated annealing**
Hasancebi O., Erbatur F.
ADVANCES IN ENGINEERING SOFTWARE, vol.33, pp.681-696, 2002 (Journal Indexed in SCI)
- XXXI. **On efficient use of simulated annealing in complex structural optimization problems**
Hasancebi O., Erbatur F.
ACTA MECHANICA, vol.157, pp.27-50, 2002 (Journal Indexed in SCI)
- XXXII. **Layout optimization of trusses using improved GA methodologies**
Hasancebi O., Erbatur F.
ACTA MECHANICA, vol.146, pp.87-107, 2001 (Journal Indexed in SCI)
- XXXIII. **Evaluation of crossover techniques in genetic algorithm based optimum structural design**
Hasancebi O., Erbatur F.
COMPUTERS & STRUCTURES, vol.78, pp.435-448, 2000 (Journal Indexed in SCI)
- XXXIV. **Optimal design of planar and space structures with genetic algorithms**
Erbatur F., Hasancebi O., Tutuncu I., Kilic H.
COMPUTERS & STRUCTURES, vol.75, no.2, pp.209-224, 2000 (Journal Indexed in SCI)
- XXXV. **Constraint handling in genetic algorithm integrated structural optimization**
Hasancebi O., Erbatur F.
ACTA MECHANICA, vol.139, pp.15-31, 2000 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Structural Optimization Using Big Bang-Big Crunch Algorithm: A Review**
Kazemzadeh Azad S., Kazemzadeh Azad S., Hasancebi O.
International Journal of Optimization in Civil Engineering, vol.6, no.3, pp.443-445, 2016 (Refereed Journals of Other Institutions)
- II. **Structural Optimization Problems of the ICSO 2011-2015: A Test Set**
Kazemzadeh Azad S., Kazemzadeh Azad S., Hasancebi O.
International Journal of Optimization in Civil Engineering, vol.6, no.4, pp.629-638, 2016 (Refereed Journals of Other Institutions)
- III. **Computationally Efficient Optimum Design of Large Scale Steel Frames**
Kazemzadeh Azad S., Hasancebi O.
International Journal of Optimization in Civil Engineering (Iran University of Science and Technology), vol.4, no.2, pp.233-259, 2014 (Refereed Journals of Other Institutions)
- IV. **Elitist Self-Adaptive Step-Size Search in Optimum Sizing of Steel Structures**
Hasancebi O., Kazemzadeh Azad S.
International Journal of Advances in Computer Science and Its Applications, vol.4, no.4, pp.192-196, 2014 (Refereed Journals of Other Institutions)
- V. **Cost efficiency analyses of optimally sized steel frames for economical design of medium-rise buildings**
Hasancebi O.
Civil-Comp Proceedings, vol.106, 2014 (Refereed Journals of Other Institutions)
- VI. **Automated Sizing of Truss Structures Using a Computationally Improved SOPT Algorithm**
Hasancebi O., Kazemzadeh Azad S.
International Journal of Optimization in Civil Engineering, vol.3, no.2, pp.131-143, 2013 (Refereed Journals of Other Institutions)

- VII. **Improving Computational Efficiency of Particle Swarm Optimization for Optimal Structural Design**
Hasançebi O., Kazemzadeh Azad S.
International Journal of Optimization in Civil Engineering, vol.3, no.4, pp.563-574, 2013 (Refereed Journals of Other Institutions)
- VIII. **An Efficient Metaheuristic Algorithm for Engineering Optimization: SOPT**
Hasançebi O., Kazemzadeh Azad S.
International Journal of Optimization in Civil Engineering, vol.2, pp.477-489, 2012 (Refereed Journals of Other Institutions)
- IX. **Harmony search algorithms in structural engineering**
Saka M., Aydogdu I., Hasançebi O., Geem Z.
Studies in Computational Intelligence, vol.359, pp.145-182, 2011 (Refereed Journals of Other Institutions)
- X. **Evaluation of topological forms for weight-effective optimum design of single-span steel truss bridges**
Hasançebi O., Doğan E.
Asian Journal of Civil Engineering, vol.12, pp.431-448, 2011 (Refereed Journals of Other Institutions)
- XI. **Evaluating Efficiency of Big-Bang Big-Crunch in Benchmark Engineering Optimization Problems**
Hasançebi O., Kazemzadeh Azad S., Erol O. K.
International Journal of Optimization in Civil Engineering, vol.3, no.1, pp.495-505, 2011 (Refereed Journals of Other Institutions)
- XII. **Ant Colony Search Method in Practical Structural Optimization**
Hasançebi O., Çarbaş S.
International Journal of Optimization in Civil Engineering, vol.1, pp.91-105, 2011 (Refereed Journals of Other Institutions)
- XIII. **Optimizing Single-Span Steel Truss Bridges with Simulated Annealing**
Hasançebi O., Doğan E.
ASIAN JOURNAL OF CIVIL ENGINEERING, vol.11, no.6, pp.763-775, 2010 (Refereed Journals of Other Institutions)
- XIV. **Optimum Design of Geodesic Steel Domes Under Code Provisions using Metaheuristic Techniques**
Hasançebi O., Erdal F., Saka M. P.
International Journal of Engineering and Applied Sciences , vol.2, no.2, pp.88-103, 2010 (Refereed Journals of Other Institutions)
- XV. **A Refinement of discrete particle swarm optimization for large-scale truss structures**
Doğan E., Hasançebi O., Polat Saka M.
Asian Journal of Civil Engineering, vol.10, pp.321-334, 2009 (Refereed Journals of Other Institutions)
- XVI. **Adaptive Harmony Search Algorithm for Design Code Optimization of Steel Structures**
Saka M. P. , Hasançebi O.
HARMONY SEARCH ALGORITHMS FOR STRUCTURAL DESIGN OPTIMIZATION, vol.239, pp.79-120, 2009 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Küresel Salgın Bağlamında Yükseköğretim Kurumlarında Sağlıklı ve Temiz Ortamların Geliştirilmesi Kılavuzu**
Hasançebi O., Çelik G. E. , İlhan M. N. , Çakır B., Kayaaslan B., Erdoğan F., Karacan M., Sezer M., Kırbaş E., Çandarlı D.
YÖK (Yükseköğretim Kurulu Başkanlığı), Ankara, 2020
- II. **Harmony Search Algorithms in Structural Engineering**
Hasançebi O.
in: Computational Optimization and Applications in Engineering and Industry, Slawomir Koziel, Xin-She Yang, Editor, Springer-Verlag , Berlin, pp.145-182, 2011
- III. **Adaptive Harmony Search Algorithm for Design Code Optimization of Steel Structures**
Saka M. P. , Hasançebi O.

Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparison of Optimal Force-Based and Performance-Based Designs for a Planar Ordinary Moment-Resisting Steel Frame**
Eser H., Hasacebi O.
AI and Big Data in Engineering Applications, İstanbul, Turkey, 14 - 15 June 2021, pp.77-91
- II. **Metaheuristic Search Techniques in Discrete Structural Optimization**
Hasacebi O.
International Conference on Civil and Architectural Engineering, Kuala-Lumpur, Malaysia, 01 July 2015, pp.93-99
- III. **Cost Efficiency Analyses of Optimally Sized Steel Frames for Economical Design of Medium-Rise Buildings**
Hasacebi O.
THE TWELFTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL STRUCTURES TECHNOLOGY, Naples, Italy, 2 - 05 September 2014, pp.1-20
- IV. **Elitist Self-Adaptive Step-Size Search in Optimum Sizing of Steel Structures**
Hasacebi O., Kazemzadeh Azad S.
International Conference on Advances in Civil and Structural Engineering, Kuala-Lumpur, Malaysia, 01 August 2014, pp.1-8
- V. **Optimum design of steel space frames via bat inspired algorithm**
Hasacebi O.
10th world congress on structural and multidisciplinary optimization, Florida, United States Of America, 19 - 24 May 2013, pp.1-10
- VI. **Reformulations of Big Bang-Big Crunch Algorithm for Discrete Structural Design Optimization**
Hasacebi O., Kazemzadeh Azad S.
International Conference on Environmental and Civil Engineering (ICECE), Kuala-Lumpur, Malaysia, 1 - 02 February 2013, pp.174-185
- VII. **Improving the big bang-big crunch algorithm for optimum design of steel frames**
HASACEBİ O., Kazemzadeh Azad S.
8th International Conference on Engineering Computational Technology, ECT 2012, Dubrovnik, Croatia, 4 - 07 September 2012, vol.100
- VIII. **A reformulation of the ant colony optimization algorithm for large scale structural optimization**
Hasacebi O., arbas S., Saka M.
2nd International Conference on Soft Computing Technology in Civil, Structural and Environmental Engineering, CSC 2011, Chania, Crete, Greece, 6 - 09 September 2011, vol.97
- IX. **Optimum design of high-rise steel buildings using an evolution strategy integrated parallel algorithm**
HASACEBİ O., Baheciođlu T., KUR Ö., Saka M.
12th International Conference on Civil, Structural and Environmental Engineering Computing, CC 2009, Funchal, Portugal, 1 - 04 September 2009
- X. **Discrete and continuous structural optimization using Evolution Strategies**
HASACEBİ O., Ulusoy A.
8th International Conference on the Application of Artificial Intelligence to Civil, Structural and Environmental Engineering, AICivil-Comp 2005, Rome, Italy, 30 August - 02 September 2005, vol.82
- XI. **Layout optimization of trusses using simulated annealing**
Hasancebi O., Erbatur F.
5th International Conference on Computational Structures Technology/2nd International Conference on Engineering Computational Technology, Leuven, Belgium, 6 - 08 September 2000, pp.175-190
- XII. **Evaluation of crossover techniques in genetic algorithm based optimum structural design**
Hasancebi O., Erbatur F.

1st International Conference on Engineering Computational Technology/4th International Conference on Computational Structures Technology, Edinburgh, Saint Helena, 18 - 21 August 1998, pp.111-123

XIII. On the use of genetic algorithms in structural optimization

Erbatur F., Hasancebi O.

4th International Kerensky Conference on Structures in the New Millennium, in Honor of Dr Oleg Alexander Kerensky, HONG KONG, Hong Kong, 3 - 05 September 1997, pp.655-660

Other Publications

I. Küresel Salgın Bağlamında YÜKSEKÖĞRETİM KURUMLARINDA SAĞLIK VE TEMİZ ORTAMLARIN GELİŞTİRİLMESİ KILAVUZU

Koçak Tufan Z., Hasancebi O., Çelik G. E. , İlhan M. N. , Çakır B., Kayaaslan B.
Other, pp.1-82, 2020

Supported Projects

Hasancebi O., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, ODTÜ Araştırma Parkı, 2013 - 2023

Hasancebi O., Türer A., KOSGEB, Yapısal Sağlık İzleme, ölçüme dayalı yapısal değerlendirme, web tabanlı programlama ve sensör/alet geliştirilmesi, 2016 - 2018

Grup M., Hasancebi O., TUBITAK Project, Kafes Bilgi Modelleme Sistemi, 2011 - 2013

HASANÇEBİ O., TUBITAK Project, Stokastik Optimizasyon Yöntemleri Kullanılarak Üç Boyutlu Çelik Taşıyıcı Sistemlerin Optimum Tasarımı Ve Ülkemiz Yapı Mühendisliğine Uygulanması, 2008 - 2010

Türer A., Hasancebi O., TUBITAK Project, R&D of economical seismic strengthening of masonry houses, 2004 - 2007

Contractual Researches

Hasancebi O., ELEN ENERJİ ÜRETİMİ SANAYİ VE TİCARET A.Ş., Doğançay HES – Pamukova TM Arası Tesis Edilen Enerji İletim Hattının Atlama Direklerinin İncelenmesi, 2021 - 2021

Hasancebi O., Kutlu Mühendislik Turizm Ltd. Şti., Safiye Hüseyin Elbi KYK Yurt Binalarında Oluşan Hasarın Değerlendirilmesi, 2020 - 2020

Hasancebi O., TRT (Türkiye Radyo ve Televizyonları Kurumu), TRT Avaz Kanal Koordinatörlüğü PVC Kaplı Yükseltmiş Döşeme Plaklarının Malzeme Testleri, 2019 - 2019

Hasancebi O., KORDA Enerji Üretim A.Ş., Denizli RES TM – Tavas TM Arası Tesis Edilen Enerji İletim Hattında Oluşan Hasarın Değerlendirilmesi, 2019 - 2019

Hasancebi O., CANDENİZ SİGORTA, Yozgat İli, Sorgun İlçesinde Bulunan Yığma Binada Oluşan Hasarın Değerlendirilmesi, 2018 - 2018

Hasancebi O., SAYHAN MÜHENDİSLİK, PTT Hadımköy Lojistik Merkezine ait Lojistik ve Kargo İşleme Merkez Binaları Projelerinin İncelenmesi, 2018 - 2018

Hasancebi O., L TASARIM MİMARLIK, Tümgeneral Daniş Karabelen Kışlası Kondisyon Kulesi Projelerinin Değerlendirilmesi, 2018 - 2018

Hasancebi O., KORDSA TEKNİK TEKSTİL A.Ş., Hatay Mobilyacılar İhtisas Sanayi Sitesi yapıları sentetik fiber donatılı betonarme döşeme hesap raporlarının incelenmesi-2, 2018 - 2018

Hasancebi O., KORDSA TEKNİK TEKSTİL A.Ş., Hatay Mobilyacılar İhtisas Sanayi Sitesi yapıları sentetik fiber donatılı betonarme döşeme hesap raporlarının incelenmesi-1, 2018 - 2018

HASANÇEBİ O., Aliağa LNG Terminali Deniz Yapı. Teknik Hasapları Değ. Dan. Projesi, 2017 - 2017

Hasancebi O., İ4 İnşaat Yazılım Arge Enerji Şirketi, Çankırı Kültür Merkezi Binasının Betonarme ve Çelik Konstrüksiyon Yapıları Hakkında Görüş ve Değerlendirme, 2017 - 2017

Hasancebi O., GORKA GRUP, Orgeneral Doğu Aktulga Kışlasında Bulunan Su Deposunun Yapısal ve Teknik İncelemesi,

2017 - 2017

HASANÇEBİ O., EUROCON-ABAT-YTY-NESMA İŞ ORTAKLIĞI, Malatya 2'nci Kara Havacılık Alay Komutanlığı Bakım Hangarına Ait Statik Hesap Raporlarının Değerlendirilmesi, 2017 - 2017

HASANÇEBİ O., SAKARYA TARİHİ MİLLİ PARKI PANOROMİK MÜZESİ, 2017 - 2017

HASANÇEBİ O., Antakya Mobilyacıları İhtisas Sanayi Sitesi İlave Çelik Binaları, 2017 - 2017

HASANÇEBİ O., Yapısal Sağlık İzleme, ölçüme dayalı yapısal değerlendirme, web tabanlı programlama ve sensör/alet geliştirilmesi, 2017 - 2017

HASANÇEBİ O., Muğla ili, Elegance Otel'in önünde bulunan mevcut güneşlenme iskelesinin teknik incelemesi, 2016 - 2017

HASANÇEBİ O., Antakya Mobilyacıları İhtisas Sanayi Çelik Bina Projeleri Hakkında Danışmanlık, 2016 - 2017

HASANÇEBİ O., Bartın İli, Amasra İlçesi, Kalaycı Köyü'ndeki bir binada oluşan hasarın incelemesi, 2016 - 2016

HASANÇEBİ O., Konya 154 Kv Erenköy GIS Trafo Merkez Binası Mevcut Bina Değerlendirme ve Deprem Güvenliği Hakkında Danışmanlık, 2016 - 2016

HASANÇEBİ O., İnşası Devam Eden Gaziantep İli Olimpik Yüzme Havuzunun Teknik İncelemesi, 2016 - 2016

HASANÇEBİ O., Çankırı İli Hükümet Konağı Yapım İşinde Oluşan Göçüğün Değerlendirilmesi, 2016 - 2016

HASANÇEBİ O., Yukarı Kaleköy Barajı ve HES çelik portal yapısına ait hesap raporunun ve imalat resimlerinin incelenerek onaylanması, 2015 - 2015

HASANÇEBİ O., Kemerköy İskelesi Teknik Hesap Raporunun İncelenmesi, 2015 - 2015

HASANÇEBİ O., Atılım Üniversitesine bağlı "Eğlenceli Bilim Merkezi" binasında çıkan yangında oluşan yapısal hasarın değerlendirilmesi hakkında görüş raporu, 2015 - 2015

HASANÇEBİ O., Ankara Yenimahalle-Şentepe Telefelik Projesi, İstasyon-2 Giriş Yaya Köprüsüne Ait Çelik Hesap Raporunun İncelenmesi, 2015 - 2015

HASANÇEBİ O., Malatya İli, Merkez İlçesi, Hüseyin Bey Mahallesi, 309, 310 ve 311 nolu parsellerde bulunan binalar için hazırlanan bilirkişi ve depremsellik inceleme raporlarının değerlendirilmesi, 2015 - 2015

HASANÇEBİ O., 154 kV, 2x1272 MCM İletkenli (Karaman TM – Gezende TM) BRŞ. –Mut RES E.İ Hattına ait yıkılan iki direğin incelenmesi, 2015 - 2015

HASANÇEBİ O., Nusrat – Gökçedağ Arası Demiryolu Yenilene İnşaatı İşinde İnşa Edilecek 4 Adet Betonarme İstinat Duvar Projesinin İncelenmesi, 2014 - 2014

HASANÇEBİ O., TEİAŞ A.Ş. PROJESİ, 2014 - 2014

HASANÇEBİ O., Söke-Akbük enerji nakil hattı üzerinde kullanılacak P Serisi direklere ait radye temel projelerinin incelenmesi, 2013 - 2013

HASANÇEBİ O., CP4+32 Köşede Durdurucu Tip Direğe Ait Statik Hesap Raporunun İncelenmesi, 2013 - 2013

HASANÇEBİ O., Gebze 85+290 tren köprüsü yapısal değerlendirme danışmanlığı, , 2013, 2013 - 2013

HASANÇEBİ O., İstanbul Yolu Ek Hizmet Binaları Yapısal Güçlendirme ve Yenileme Projesi Mimarlık ve Mühendislik Hizmetleri için Danışmanlık, 2013 - 2013

HASANÇEBİ O., Mersin Spor Salonu Antreman Sahası Çatısı Çelik Makaslarında Oluşan Göçmenin Tespiti ve Onarım Projelerinde Danışmanlık, 2013 - 2013

Activities in Scientific Journals

International Journal of Optimization in Civil Engineering, Publication Committee Member, 2011 - Continues

International Journal of Engineering and Applied Sciences, Publication Committee Member, 2009 - Continues

Memberships / Tasks in Scientific Organizations

The Centre of Excellence for Fundamental Studies in Civil Engineering, Member, 2010 - Continues

Universal Association of Civil, Structural and Environmental Engineers , Member, 2014 - 2017, Turkey

Scientific Refereeing

Technopark, ODTÜ Teknoloji Transfer Ofisi (ODTÜ TTO) , Turkey, October 2021
Technopark, ICOTEC MÜHENDİSLİK LTD. ŞTİ., Turkey, August 2021
Technopark, PROTA YAZILIM BİLİŞİM A.Ş., Turkey, February 2021
Technopark, MİTAŞ ENDÜSTRİ A.Ş., Turkey, January 2021
JOURNAL OF STRUCTURAL ENGINEERING-ASCE, SCI Journal, October 2020

Tasks In Event Organizations

Hasançebi O., 15. International Conference on Structural Optimization and Technology, Scientific Congress, Rome, Italy, Aralık 2021
Hasançebi O., 3. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi , Scientific Congress, Ankara, Turkey, Ekim 2021
Hasançebi O., ICAIBDEA International Conference on Artificial Intelligence (AI) and Big Data in Engineering Applications, Scientific Congress, İstanbul, Turkey, Haziran 2021
Hasançebi O., ICASFA 2021: 15. International Conference on Advanced Structures and Failure Analysis, Scientific Congress, Lisbon, Portugal, Şubat 2021
Hasançebi O., 14. International Conference on Optimization of Structures, Scientific Congress, Tokyo, Japan, Ekim 2020
Hasançebi O., 6th International Conference on Harmony Search, Soft Computing and Applications, Scientific Congress, İstanbul, Turkey, Nisan 2020
Hasançebi O., 2. Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Scientific Congress, Antalya, Turkey, Aralık 2019
Hasançebi O., 8. Uluslararası Çelik Yapılar Sempozyumu, Scientific Congress, Konya, Turkey, Ekim 2019
Hasançebi O., International Civil Engineering and Architectural Conference 2019, Scientific Congress, Trabzon, Turkey, Nisan 2019

Scientific Research / Working Group Memberships

Special And Tall Structures Research Center, Middle East Technical University, Turkey, www., 2011 - Continues
Earthquake Engineering Research Center, Middle East Technical University, Turkey, www., 2009 - Continues
Applied, Innovative And Interdisciplinary Research Lab, Middle East Technical University, Turkey, www., 2009 - Continues

Citations

Total Citations (WOS):1663
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Invited Talks

Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Conference, Orta Doğu Teknik Üniversitesi, Turkey, October 2019

Awards

Hasançebi O., ODTÜ Performans Ödülü 2017, Orta Doğu Teknik Üniversitesi, January 2017
Hasançebi O., En iyi konferans makale ödülü (International Conference On Civil And Architectural Engineering Conference), International Conference On Civil And Architectural Engineering Conference, July 2015
Hasançebi O., ODTÜ Performans Ödülü 2015, Orta Doğu Teknik Üniversitesi, January 2015

Hasanebi O., Mustafa Parlar Yılın Tezi dl (Danıřman), Orta Doęu Teknik niversitesi, June 2014
Hasanebi O., ODT Performans dl 2014, Orta Doęu Teknik niversitesi, January 2014
Hasanebi O., ODT Performans dl 2012, Orta Doęu Teknik niversitesi, January 2012
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