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Education

- B.Sc, Civil Engineering,Sistan and Baluchestan University - 1989
- MS, Hydraulic Structure,Tarbiat Modares University - 1994
- PhD, Civil Engineering - Structure,Cardiff University - 2005

Master Thesis

1. Reliability based Design Optimization of Steel Buckling Restrained Brace Frames Equipped with Smart Material

سيده وحيده هاشمي, [Mahmoud Miri, Mohsen Rashki, Sadegh Etedali]

نيمسال دوم سال تحصيلي 00-99

2. investigation of the effecting pozzolan on high strength concrete

مهسا مهاجر ميرداد, [Mahmoud Miri, Mohsen Rashki]

نيمسال اول سال تحصيلي 98-97

3. investigation of the effecting pozzolan on high strength concrete

سمانه كيخا, [Mahmoud Miri, Mostafa Aliahmad]

نيمسال اول سال تحصيلي 98-97

Journals Papers

2025

1. Overlap effects of one-end welded box-profile shear connectors on interlayer shear behavior

Mahdi Daliri, Hamed Ghohani Arab, Mahmoud Miri, Seyed Hashem Khatibi

Structures Volume: (71) 107982-1 - 107982-12

2024

2. On the effect of nano calcium carbonate on the flexibility and tensile-shear cracking resistance of greener WMA asphalt concretes containing RAP contents

Farman Karimi, Seyed roohallah Mousavi, Mahmoud Miri

Case Studies in Construction Materials Volume: (20) e03159 -

3. Tensile-Tear cracking resistance of RAP incorporated asphalt Mixtures, enhanced by Warm mix asphalt additive and nano calcium carbonate

Farman Karimi, Seyed roohallah Mousavi, Mahmoud Miri

THEORETICAL AND APPLIED FRACTURE MECHANICS Volume: (132) 104467 -

4. Investigation of mode I fracture behavior of copper slag-SFRSCC

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

ENGINEERING STRUCTURES Volume: (315) 118513 -

2023

5. Multi-objective optimal design of SC-BRB for structures subjected to different near-fault earthquake pulses

, Mahmoud Miri, Mohsen Rashki, Sadegh Etedali

Structures Volume: (36) 1021 - 1031

6. Comprehensive experimental and numerical modeling of strength parameters of eco-friendly steel fiber reinforced SCC containing coarse copper slag aggregates

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (367) 130304-1 - 130304-28

7. The behavior of steel-concrete-steel sandwich composite beams with box-profile shear connectors: Experimental and numerical

Seyd hashem Khatibi, Hamed Ghohani Arab, Mahmoud Miri

Structures Volume: (54) 644 - 656

8. Prediction of the interlayer shear strength of SCS panels with corrugated-strip shear connectors using gene expression programming algorithm

Seyd hashem Khatibi, Hamed Ghohani Arab, Mahmoud Miri

Volume: (16) 85 - 97

9. Evaluating the flexural behavior of green copper slag-contained steel fiber reinforced SCC beams with/without initial notches

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (395) 132316-1 - 132316-16

10. Prediction model and measurement of fracture parameters in eco-friendly coarse copper slag-SFRSCC based on semi-circular bending test

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

CONSTRUCTION AND BUILDING MATERIALS Volume: (406) 133418-1 - 133418-24

11. Using the Response Surface Method and Artificial Neural Network to Estimate the Compressive Strength of Environmentally Friendly Concretes Containing Fine Copper Slag Aggregates

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

Iranian Journal of Science and Technology-Transactions of Civil Engineering Volume: (47) 3415 - 3429

12. an adaptive artificial neural network for reliability analysis of complex engineering system

Naser Cheragi, Mahmoud Miri, Mohsen Rashki

APPLIED SOFT COMPUTING Volume: (132) 13256-1 - 123256-10

2022

13. Interlayer behavior investigation of box profile shear connectors in steel-concrete-steel sandwich structures

Seyd hashem Khatibi, Hamed Ghohani Arab, Mahmoud Miri

Structures Volume: (45) 1031 - 1042

14. بررسي فروريزش تدريجي و تحليل شكنندگي لرزه اي قاب هاي داراي مهاربند كمانش تاب مجهز به آلياژ هاي حافظه دار شكلي

, Mahmoud Miri, Mohsen Rashki, s e

Volume: (54) 737 - 758

15. Reliability and reliability-based sensitivity analysis of self-centering buckling restrained braces using meta-models

, Mahmoud Miri, Mohsen Rashki, Sadegh Etedali

JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES Volume: (33) 669 - 686

2021

16. Effect of waste glass and curing aging on fracture toughness of self-compacting mortars using ENDB specimen

Seyed roohallah Mousavi, Iman Afshoon, Mohammadali Bayatpoor, Amirhossein Davarpanah tanha qochan, M

CONSTRUCTION AND BUILDING MATERIALS Volume: (282) 122711-1 - 122711-15

17. Combining Kriging meta models with U-function and K-Means clustering for prediction of fracture energy of concrete

Iman Afshoon, Mahmoud Miri, Seyed roohallah Mousavi

Journal of Building Engineering Volume: (35) 102050-1 - 102050-16

18. Reliability-Based Design Optimization of Recycled Coarse Aggregates Used in Corrosive Environment

, Mahmoud Miri, Mohammad Reza Sohrabi

JOURNAL OF MATERIALS IN CIVIL ENGINEERING Volume: (33) 04021042-1 - 16

19. Influence of Nano-silica and Crack Width on Corrosion Parameters of Pre-cracked Reinforced Concrete Beams

, Mahmoud Miri

Periodica Polytechnica-Civil Engineering Volume: (65) 577 - 587

20. تعیین درصد بهینه سنگدانه هاي درشت بتن بازیافتي مورد استفاده در محیط هاي خورنده براساس مدل کریجینگ

, Mahmoud Miri, Mohammad Reza Sohrabi

Volume: (53) 863 - 878

21. Probabilistic Optimum Percentage of Recycled Aggregates Contaminated with Chloride Ion in Concrete Mix

Abdol Ghaium Dehvari, mohsen khazaei, Mohammad Reza Sohrabi, Mahmoud Miri

AUT Journal of Civil Engineering Volume: (5) 521 - 540

2020

22. ارزیابي احتمالاتي ارتعاش آزاد ورق مدرج تابعي با استفاده از روش حل سه بعدي

Naser Cheragi, Mahmoud Miri, Mohsen Rashki

Volume: (39) 45 - 66

23. تحلیل ترمو الاستیك پوسته هاي مخروطي شکل دوار ساخته هشده با استفاده از مواد مدرج تابعي

Mahmoud Miri, safaiian naser, Mohsen Rashki

Volume: (49.4) 117 - 129

24. Experimental Investigation on Chloride Diffusion Coefficient of Self-compacting Concrete in the Oman Sea

, Mahmoud Miri

Periodica Polytechnica-Civil Engineering Volume: (64) 647 - 657

25. Behavior of Reinforced Concrete Beams with Corroded Stirrups and Tensile Rebars

, Mahmoud Miri, h beheshtinezhad

Volume: (50.2) 61 - 70

26. Probabilistic Evaluation on the Free Vibration of Functionally Graded Material Plates Using 3D Solution and Meta-Model Methods

Naser Cheragi, Mahmoud Miri, Mohsen Rashki

Volume: (39) 45 - 66

2019

27. New neural network-based response surface method for reliability analysis of structures

Hossein Beheshti nezhad, Mahmoud Miri, Mohammad Reza Ghasemi

NEURAL COMPUTING and APPLICATIONS Volume: (31) 777 - 791

28. System-level reliability sensitivity analysis by using weighted average simulation method

Mohsen Rashki, Mehdi Azhdary Moghaddam, Mahmoud Miri

QUALITY AND RELIABILITY ENGINEERING INTERNATIONAL Volume: (35) 1826 - 1845

29. Experimental Investigation of Corrosion Cracking in Reinforced Concrete Beams Containing Nano Wollastonite

Mahmoud Miri, Mohammad Reza Ghasemi, Hossein Beheshti nezhad

journal of rehabilitation in civil engineering Volume: (7) 272 - 301

30. بررسي امكان استفاده از لوماشل به عنوان جايگزين مصالح سنگي در ساخت بتن غلتكي

Mahmoud Miri, Ali Vatani,

Volume: (5) 176 - 192

2018

31. New simulation-based frameworks for multi-objective reliability-based design optimization of structures

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APPLIED MATHEMATICAL MODELLING Volume: (62) 1 - 20

32. An improved binary bat flexible sampling algorithm for reliability-based design optimization of truss structures with discrete-continuous variables

, Mahmoud Miri, Mohsen Rashki

ENGINEERING COMPUTATIONS Volume: (35) 641 - 671

33. Structural reliability assessment using an enhanced adaptive Kriging method

Jafar Vahedi, Mohammad Reza Ghasemi, Mahmoud Miri

STRUCTURAL ENGINEERING AND MECHANICS Volume: (66) 677 - 691

34. An adaptive divergence-based method for structural reliability analysis via multiple Kriging models

Jafar Vahedi, Mohammad Reza Ghasemi, Mahmoud Miri

APPLIED MATHEMATICAL MODELLING Volume: (62) 542 - 561

35. Reliability-Based Economic Seismic Design

Hamzeh Yarahmadi, Mahmoud Miri, mehrelah rakhshani mehr

Volume: (18) 251 - 260

36. بررسي تأثير ضخامت پوشش بتن و جنس روكش ميلگرد بر ميزان خوردگي آن در بتن خود متراكم

Mehdi Azhdary Moghaddam, Mahmoud Miri,

Volume: (4) 172 - 186

37. بررسي تأثير مصالح تشكيل دهنده بر عملكرد بتن غلتكي رويه راه با استفاده از روش كاهش ابعاد و شبيه سازي مونت كارلو

Mostafa Aliahmad, Mahmoud Miri, Mohsen Rashki

Volume: (3) 49 - 64

2017

38. Reliability-based design optimization of rotating FGM cylindrical shells with temperature-dependent probabilistic frequency constraints

, Mahmoud Miri, Mohsen Rashki

AEROSPACE SCIENCE AND TECHNOLOGY Volume: (68) 223 - 239

39. Fuzzy time dependent structural reliability analysis using alpha level set optimization method based on genetic algorithm

, Mahmoud Miri,

JOURNAL OF INTELLIGENT and FUZZY SYSTEMS Volume: (32) 4173 - 4182

40. Probabilistic and Experimental investigating the effect of pozzolan and Lumachelle fine aggregates on roller compacted concrete properties

Mostafa Aliahmad, Mahmoud Miri, Mohsen Rashki

CONSTRUCTION AND BUILDING MATERIALS Volume: (151) 755 - 766

41. The effect of Cover Pressure Strength and bars corrosion on Cracking of Reinforced Concrete Structures

Mahmoud Miri, ,

Volume: (49) 251 - 261

42. New neural network-based response surface method for reliability analysis of structures

Hossein Beheshti nezhad, Mahmoud Miri, Mohammad Reza Ghasemi

NEURAL COMPUTING and APPLICATIONS Volume: () 1 - 17

43. بررسي عددي و آزمايشگاهي تأثير پوشش، مقاومت فشاري و فشار ناشي از خوردگي آرماتور بر شروع ترکخوردگي در سازههاي بتن آرمه

Mahmoud Miri, rakhshani mehr, Fahifdxg Hcdgfzsd

Volume: (49) 251 - 261

44. ارزيابي قابليت اطمينان قابهاي خمشي فلزي با استفاده از روش شبيهسازي وزني و درونيابي تابع پايه شعاعي

m r, Mohsen Rashki, Mahmoud Miri, Mehdi Azhdary Moghaddam

Volume: (14) 21 - 32

45. New Neural Network-Based Response Surface Method for Reliability Analysis of Structures

, Mahmoud Miri, Mohammad Reza Ghasemi

NEURAL COMPUTING and APPLICATIONS Volume: (28) 1 - 17

46. The effect of bars coating type and structures location on durability and corrosion of bars in Oman sea

Mahmoud Miri, , mohammad forotan

Volume: (18) 28 - 40

47. طراحي بهينه مبتني بر قابليت اعتماد سازهها براساس روش شبيهسازي وزني اصلاح شده

Mahmoud Miri,

Volume: (35) 1 - 23

48. بررسي آزمايشگاهي پارامترهاي ناشي از خوردگي در تيرهاي بتني حاوي نانوولاستونيت

Hossein Beheshti nezhad, Mahmoud Miri, Mohammad Reza Ghasemi

Volume: (10) 81 - 94

2016

49. ارزيابي آزمايشگاهي اثر ترکيب متاکائولين و پوميس بر دوام و خوردگي ميلگرد در بتن خودتراکم

, Mahmoud Miri, ,

Volume: (9) 5 - 17

50. An Investigation on the Effect of Metakaolin and Zeolite Combination as Cement Replacement on Rebar Corrosion and Durability of Self Compacting Concrete

, Mahmoud Miri,

Volume: (46) 61 - 70

51. ارائه روشي براي طراحي براساس عملكرد لرزه اي احتمالاتي

Hamzeh Yarahmadi, Mahmoud Miri,

Volume: (17) 28 - 38

52. Reliability-Based Design Optimization of Structures using Modified Weighted Simulation Method

, Mahmoud Miri,

Volume: (2) 1 - 23

53. Experimental Investigate Composite Effect of Metakaolin and Pumice on Durability and Corrosion Rebar in Self-Compacting Concrete

, Mahmoud Miri, ,

Volume: (9) 5 - 16

54. Reliability-Based Design Optimization of Structures using Modified Weighted Simulation Method

, Mahmoud Miri, Mohsen Rashki

Volume: (35) 1 - 22

55. An enhanced simulation-based design method coupled with meta-heuristic search algorithm for accurate reliability-based design optimization

Mahmoud Miri, , Naser Safaeian Hamzehkolaei

ENGINEERING WITH COMPUTERS Volume: (32) 477 - 495

56. PERFORMANCE INVESTIGATION OF NEURO-FUZZY SYSTEM

, Mohammad Givehchi, Mahmoud Miri,

Asian Journal of Civil Engineering (Building and Housing Volume: (17) 213 - 223

57. Fuzzy reliablity analysis using a new alpha level

, Mahmoud Miri, Naser Shabakhty

JOURNAL OF INTELLIGENT and FUZZY SYSTEMS Volume: (30) 235 - 244

58. An enhanced simulationbased design method coupled with metaheuristic search algorithm for accurate reliabilitybased design optimization

, Mahmoud Miri, Mohsen Rashki

ENGINEERING WITH COMPUTERS Volume: (32) 477 - 495

59. A methodology to determine the response modification factor for probabilistic performance-based design

Hamzeh Yarahmadi, Mahmoud Miri,

Bulletin of Earthquake Engineering Volume: (14) 1 - 31

60. Performance investigation of neuro-fuzzy system for earthquake prediction

, Mohammad Givehchi, Mahmoud Miri,

Asian Journal of Civil Engineering (Building and Housing Volume: (17) 213 - 223

61. Fuzzy reliability analysis using a new alpha level set optimization approach based on particle swarm optimization

, Mahmoud Miri, Naser Shabakhty

JOURNAL OF INTELLIGENT and FUZZY SYSTEMS Volume: (30) 235 - 244

2015

62. A method to rank and measure the importance of random variables of random variables on failure probability of structures

Mohsen Rashki, Mahmoud Miri, Mehdi Azhdary Moghaddam

Volume: (33) 19 - 36

63. MODELING OF EPISTEMIC UNCERTAINTY IN RELIABILITY ANALYSIS OF STRUCTURES USING A ROBUST GENETIC ALGORITHM

, Mahmoud Miri, Naser Shabakhty

Iranian Journal of Fuzzy Systems Volume: (12) 23 - 40

64. An enhanced simulation-based design method coupled with meta-heuristic searchalgorithm for accurate reliability based design optimization

, Mahmoud Miri, Mohsen Rashki

ENGINEERING WITH COMPUTERS Volume: () 1 - 10

65. MODELING OF EPISTEMIC UNCERTAINTY IN RELIABILITY ANALYSIS OF STRUCTURES USING A ROBUST GENETIC ALGORITHM

, Mahmoud Miri, Naser Shabakhty

Iranian Journal of Fuzzy Systems Volume: (12) 23 - 40

2014

66. Effect of Rebar Corrosion on the Behavior of a Reinforced Concrete Ceam Using Modeling and Experimental Results

Mohammad Reza Sohrabi, Mahmoud Miri

Materiali in Tehnologije Volume: (48) 395 - 402

67. Introducing Conjugate gradient optimization for modified HL-RF method 31/1/2013

, Mahmoud Miri

ENGINEERING COMPUTATIONS Volume: (31) 775 - 790

68. A simulation-based method for reliability based design optimization problems with highly nonlinear constraints

Mahmoud Miri, Mehdi Azhdary Moghaddam

AUTOMATION IN CONSTRUCTION Volume: (47) 24 - 36

69. Reliability analysis of corroded pipes using conjugate HL-RF algorithm based on average shear stress yield criterion

Mahmoud Miri

engineering failure analysis Volume: (46) 104 - 117

70. ارائه روش جديدي براي ارزيابي قابليت اعتماد سازه ها

, Mahmoud Miri

Journal of Modeling Engineering Volume: (12) 29 - 42

71. ارزيابي آزمايشگاهي استفاده از تركيب پوميس و زئوليت بر خوردگي ميلگرد و دوام بتن خودتراكم

Mahmoud Miri,

Volume: () 21 - 32

72. بررسي آزمايشگاهي خواص مكانيكي بتن حاوي نانو ولاستونيت و مدل سازي آن به كمك شبكه هاي عصبي نوع GMDH

Mahmoud Miri, ,

Volume: () 143 - 156

73. ارائه روشي جديد براي ارزيابي قابليت اعتماد ساز ههها

, Mahmoud Miri

Volume: () 29 - 42

74. ارائه روشي جهت رتبه بندي اهميت و تاثير متغيرهاي تصادفي بر احتمال خرابي سازه ها

, Mahmoud Miri, Mehdi Azhdary Moghaddam

Volume: (33) 29 - 46

75. closure to A new efficient simulation method to approximate the probability of failure and most probable point

, Mahmoud Miri, Mehdi Azhdary Moghaddam

STRUCTURAL SAFETY Volume: (16) 15 - 16

76. محاسبه شاخص قابليت اعتماد فازي سازه ها با استفاده از تكنيك بهينه سازي آلفا برشها

Mahmoud Miri, Naser Shabakhty

Volume: (43) 1 - 12

77. Introducing conjugate gradient optimization for modified HL-RF method

, Mahmoud Miri

ENGINEERING COMPUTATIONS Volume: () 775 - 786

78. Reliability analysis of corroded pipes using conjugate HL–RF algorithm based on average shear stress yield criterion

, Mahmoud Miri

ENGINEERING FAILURE ANALYSIS Volume: () 104 - 117

79. EFFECT OF REBAR CORROSION ON THE BEHAVIOR OF A REINFORCED CONCRETE BEAM USING MODELING AND EXPERIMENTAL RESULTS

, Mohammad Reza Sohrabi, Mahmoud Miri

Materiali in Tehnologije Volume: () 395 - 402

2013

80. اثر شرايط محيطي بر نفوذ و دوام يون كلر در بتن معمولي و خود متراكم

Mahmoud Miri

Volume: (8) 17 - 27

81. ارائه الگوريتمي اصلاحي براي روشهاي گراديان مزدوج غير خطي به منظور محاسبه شاخص سلامتي سازه ها

Mahmoud Miri, Naser Shabakhty

Journal of Civil Engineering Volume: (24) 27 - 40

82. An Enhanced HL-RF Method for the Computation of Structural Failure Probability Based On Relaxed Approach

, Mahmoud Miri

Civil Engineering Infrastructures Journal Volume: (46) 69 - 80

83. اثر شرايط محيطي بر نفوذ و دوام يون كلر در بتن معمولي و خود متراكم حاوي نانو سيليس

Mahmoud Miri, ,

Volume: () 17 - 27

84. ارائه الگوريتمي اصلاحي براي روشهاي گراديان مزدوج غير خطي به منظور محاسبه شاخص سلامتي سازه

, Mahmoud Miri, Naser Shabakhty

Volume: () 27 - 40

85. Enhancing weighted uniform simulation for structural reliability analysis Int. Jour. Of Opt. in civil eng

Hamed Ghohani Arab, Mohammad Reza Ghasemi, Mahmoud Miri

International Journal of Optimization in Civil Engineering Volume: (3) 635 - 651

86. Closure to "A new efficient simulation method to approximate the probability of failure and most probable point

Mohsen Rashki, Mahmoud Miri, Mehdi Azhdary Moghaddam

STRUCTURAL SAFETY Volume: () 15 - 16

2012

87. Studying the possibility of using galvanostatic pulse transient technique in concrete beam bars corrossion

, Mohammad Reza Sohrabi, Mahmoud Miri

Volume: (2) 63 - 73

88. بررسي امكان استفاده از تكنيك پالس گذاري گالوانو استاتيك در خوردگي ميلگردهاي تير بتني

Mohammad Reza Sohrabi, , Mahmoud Miri

Volume: (5) 63 - 73

89. بررسي شكل پذيري و رفتار چشمه اتصال در اتصال پيشنهاد شده توسط آيين نامه 2800

, Mahmoud Miri, A. Hadad, F Ghafari

Volume: (32) 71 - 78

90. A new efficient simulation method to approximate the probability of failure and most probable point

, Mahmoud Miri, Mehdi Azhdary Moghaddam

STRUCTURAL SAFETY Volume: (39) 22 - 29

2011

91. ارائه فرمولاسيون مناسب بهينه سازي گراديان مزدوج غير خطي به منظور محاسبه شاخص سلامتي سازه ها

, Mahmoud Miri

Volume: (41) 63 - 70

92. بررسي پارامتري رفتار غير خطي لرزه اي پل كابلي ايستاي دهانه بزرگ با عرشه جعبه اي

, Mahmoud Miri

Volume: (7) 15 - 27

93. بررسي حساسيت روشهاي عددي حل معادله حركت سيستم يكدرجه آزادي تحت بار سينوسي

Mahmoud Miri

Volume: (29) 53 - 60

94. بررسي حساسيت روش هاي عددي حل معادله حركت سيستم يك درجه آزادي تحت بارسينوسي

, Mahmoud Miri

Volume: () 53 - 90

95. بررسي پارامتري رفتار غير خطي لرز هاي پل كابلي ايستاي دهانه برزگ با عرشه جعب هاي

, Mahmoud Miri

Volume: () 15 - 27

Research Project

2009

1. The effect of environmental condition on concrete durability of water reservoir

Mahmoud Miri - 2009

1999

2. The study of positonal damage of birdge due to flooding

Mahmoud Miri, Mohammad Hassan Mirabimoghaddam - 1999