

Abdolhamid Bahr Peyma

Associate Professor

Faculty : Engineering

Departments : Civil Engineering

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Education

- MS, Architectural Engineering,Iran University of Science and Technology - 1994
- PhD, Urbanism,University of Nantter (Paris 10) France - 2007

Courses

1. Architectural Design and Urban Planning
2. gertgy
3. Training II
4. Training
5. Principles of Architecture and Development
6. Seminar (Intercourse Discussion)
7. Human, Nature and Architecture
8. Engineering Graphics and Building Drawings
9. survey of monuments
10. Architectural Design III
11. Architectural Design and Urban Planning
12. Architectural Design I
13. Architectural Design II
14. Environmental Control of Build
15. BNDGFC
16. Design and drawing documents
17. Rural Architecture I
18. Technical drawing 1
19. Practical Geometry
20. Architectural Design II
21. Man, Natur, Architecture
22. Man, Natur, Architecture
23. Architectural Design V
24. Architectural Design V

Thesis

Master Thesis

1. Laboratory evaluation of concrete containing Taftan Pumice and Metakaolin to increase the resistance against the corrosion of the rebar of the electric pole bases

سیدرضا ذبیحی, [Mohammad Reza Sohrabi, Abdolhamid Bahr Peyma, Seyed roohallah Mousavi, Mohammad Reza Ghasemi, Mohammad Hassan Mirabimoghaddam, Samira Payan]

نیمسال اول سال تحصیلی 1402-1403

2. Assessment of uncertainty of future droughts projection in Iran under climate change

علیرضا قائمی, [Seyed Arman Hashemi Monfared, Abdolhamid Bahr Peyma, A A, Peyman Mahmoudi, Mehdi Azhdary Moghaddam, Bahareh Pirzadeh, , Alireza Hossein Nezhad Devin]

نیمسال اول سال تحصیلی 1401-1402

3. Investigation of water Column Separation phenomenon in water supply networks by using probabilistic model and Reliability index

سکینه صفری, [Mehdi Azhdary Moghaddam, Abdolhamid Bahr Peyma, Mohammad Givehchi, Seyed Arman Hashemi Monfared, Bahareh Pirzadeh, Jafar Sadeghi,]

نیمسال دوم سال تحصیلی 01-00

4. Investigation of water Column Separation phenomenon in water supply networks by using probabilistic model and Reliability index

سکینه صفری, [Mehdi Azhdary Moghaddam, Abdolhamid Bahr Peyma, Mohammad Givehchi]

نیمسال دوم سال تحصیلی 00-99

5. Assessment of uncertainty of future droughts projection in Iran under climate change

علیرضا قائمی, [Seyed Arman Hashemi Monfared, Abdolhamid Bahr Peyma, A A, Peyman Mahmoudi]

نیمسال دوم سال تحصیلی 00-99

6. Optimal Design of Concert Dams Using the Novel Meta-Heurestic Methods

محمدامین سماوکی, [Mehdi Azhdary Moghaddam, Abdolhamid Bahr Peyma]

نیمسال اول سال تحصیلی 00-99

7. Investigation of Fracture Parameters of Roller Compacted Concrete Containing Copper Slag

فائزه هوشیار, [Abdolhamid Bahr Peyma, Seyed roohallah Mousavi]

نیمسال اول سال تحصیلی 00-99

8. The effect of using copper slag instead of coarse aggregates and fine aggregates on Roller Compacted Concreate(RCC) simultaineously

مرتضی چکشی, [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon]

نیمسال دوم سال تحصیلی 98-97

9. The feasibility of replacing coarse aggregates in roller concrete with copper slag

مریم سرگزی, [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon]

نیمسال دوم سال تحصیلی 98-97

10. The feasibility of replacing coarse aggregates in roller concrete with copper slag

مریم سرگزی, [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon]

نیمسال اول سال تحصیلی 98-97

11. The effect of using copper slag instead of coarse aggregates and fine aggregates on Roller Compacted Concreate(RCC) simultaineously

مرتضی چکشی, [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon]

نیمسال اول سال تحصیلی 98-97

12. dddd

سارا سرگزي, [Abdolhamid Bahr Peyma,]

نيمسال دوم سال تحصيلي 96-97

13. sseddf

سارا سرگزي, [Abdolhamid Bahr Peyma,]

نيمسال اول سال تحصيلي 96-97

14. nnb

محمود لايق رفعت, [Abdolhamid Bahr Peyma, Naser Shabakhty]

نيمسال دوم سال تحصيلي 95-96

15. sde

محمود لايق رفعت, [Abdolhamid Bahr Peyma, Naser Shabakhty]

نيمسال اول سال تحصيلي95-96

16. Comparison and evaluation on the performance of different metallic dampers in seismic response mitigation

وصال ازادبخت, [Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, J J]

نيمسال اول سال تحصيلي95-96

17. Seismic Assessment of Steel frames with Buckling Restrained Braces Subjected to Earthquake Main shock and Aftershock Sequences

مهدي سالاري, [Seyed roohallah Mousavi, , Abdolhamid Bahr Peyma]

نيمسال اول سال تحصيلي95-96

18. waas

محمود لايق رفعت, [Abdolhamid Bahr Peyma, Naser Shabakhty]

نيمسال دوم سال تحصيلي94-95

19. wef

محمود لايق رفعت, [Abdolhamid Bahr Peyma, Naser Shabakhty]

نيمسال اول سال تحصيلي94-95

20. risk

امين نستوه, [Mehdi Azhdary Moghaddam, Abdolhamid Bahr Peyma]

نيمسال اول سال تحصيلي94-95

21. aa

حميده اراسته, [Taghi Tavousi, Abdolhamid Bahr Peyma]

نيمسال دوم سال تحصيلي 91-92

22. aa

زينب رخشاني, [Taghi Tavousi, Abdolhamid Bahr Peyma]

نيمسال دوم سال تحصيلي90-91

23. lab

حسين ذبيحي, [Mohammad Givehchi, Abdolhamid Bahr Peyma, Gholamreza Azizyan]

نيمسال دوم سال تحصيلي90-91

24. dyn

داود اسدي, [Mohammad Reza Ghasemi, Abdolhamid Bahr Peyma]

نيمسال اول سال تحصيلي 90-91

25. inv

پرویز حسینی سرجو, [Naser Shabakhty, Abdolhamid Bahr Peyma]

نیمسال اول سال تحصیلی 89-88

Journals Papers

2024

1. Experimental Evaluation of Performance of the New Design of Bed Protection Models (F-jacks) in Altering the Flow Pattern around Bridge Piers

Zahra Heravi, Mehdi Azhdary Moghaddam, Kazem Esmaili, Mohammad Givehchi, Abdolhamid Bahr Peyma

Volume: (19) 67 - 86

2. Protecting the Environment and Natural Resources Using Green Roller Compacted Concrete (RCC) Containing Fine and Coarse Recycled Copper Slag Aggregates

Seyed roohallah Mousavi, Abdolhamid Bahr Peyma, Iman Afshoon, Morteza Chakoshi

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION Volume: (186) 664 - 678

3. Spatiotemporal variation of projected drought characteristics in Iran under climate change scenarios using CMIP5-CORDEX product

Alireza Ghaemi, Seyed Arman Hashemi Monfared, Abdolhamid Bahr Peyma, Peyman Mahmoudi, Mohammad Zoune

Journal of Water and Climate Change Volume: (15) 1054 - 1075

4. Exploitation of the ensemble-based machine learning strategies to elevate the precision of CORDEX regional simulations in precipitation projection

Alireza Ghaemi, Seyed Arman Hashemi Monfared, Abdolhamid Bahr Peyma, Peyman Mahmoudi, Mohammad Zoune

Earth Science Informatics Volume: (17) 1373 - 1392

5. Maximum pressure of water column separation phenomenon applying the crow search algorithm

Sakineh Safari, Mehdi Azhdary Moghaddam, Abdolhamid Bahr Peyma, Mohammad Givehchi

Urban Water Journal Volume: (21) 508 - 520

6. Investigating the effect of Velocity on Water Column Separation using CFD Method

Sakineh Safari, Mehdi Azhdary Moghaddam, Abdolhamid Bahr Peyma, Mohammad Givehchi

Volume: (24) 65 - 77

2023

7. Predicting the Ultimate and Relative Bond Strength of Corroded Bars and Surrounding Concrete by Considering the Effect of Transverse Rebar Using Machine Learning

Seyed mohammad Mousavi, Abdolhamid Bahr Peyma, Seyed roohallah Mousavi,

Iranian Journal of Science and Technology-Transactions of Civil Engineering Volume: (47) 193 - 219

8. Spatio-temporal variation of precipitation projection based on bias-adjusted CORDEX-SA regional climate model simulations for arid and semi-arid region

Alireza Ghaemi, Seyed Arman Hashemi Monfared, Abdolhamid Bahr Peyma, Peyman Mahmoudi, Mohammad Zoune

CLIMATE RESEARCH Volume: (19) 121 - 144

2022

9. Climatic Design; An Example of Adaptation to the Environment (Case study: hot and dry climate of Iran)

Abdolhamid Bahr Peyma, Mohammad Ali Sargazi

Volume: (13) 282 - 292

10. Prediction of compressive strength of fiber-reinforced polymers-confined cylindrical concrete using artificial intelligence methods

Faride Jamali, Seyed roohallah Mousavi, Abdolhamid Bahr Peyma,

JOURNAL OF REINFORCED PLASTICS AND COMPOSITES Volume: (41) 679 - 704

11. Reliability of Single-Layer Space Domes under the Effects of the Changes in the Height-to-Span Ratio

Abdolhamid Bahr Peyma, mahmood Layegh Rafat, naser shabakhty

AUT Journal of Civil Engineering Volume: (6) 3 - 14

12. Spatiotemporal variation of projected drought characteristics of Iran under the climate change scenarios

Alireza Ghaemi, Seyed Arman Hashemi Monfared, Abdolhamid Bahr Peyma, Peyman Mahmoudi, Mohammad Zoune

Volume: (5) 68 - 80

2021

13. Simple and green route for fabrication of a nanostructured of the graphene?Fe3O4@PANI for the photovoltaic activity

Fatemeh Sadegh, Ali Reza Modarresi Alam, Negar Sadegh, Abdolhamid Bahr Peyma, Sahar Shabzendedar, Ka

ELECTROCHIMICA ACTA Volume: (399) 139327-1 - 139327-13

14. Estimating Pier Scour Depth: Comparison of Empirical Formulations with ANNs, GMDH, MARS, and Kriging

Moslem Zarbazousiahkali, Abas ali Ghaderi, Abdolhamid Bahr Peyma, Mohsen Rashki, naser safaeean hamz

Journal of Artificial Intelligence and Data Mining Volume: (9) 109 - 128

15. Study on the synthesis, properties, and efciency of two new superparamagnetic nanocomposites of poly(m-aminobenzenesulfonic acid) and TiO2 in P-N junction hybrid solar cells

Sahar Shabzendedar, Abdolhamid Bahr Peyma, , Ali Reza Modarresi Alam, Fatemeh Sadegh

POLYMER BULLETIN Volume: (79) 3395 - 3418

2020

16. Reliability and Sensitivity Analysis of Single-Layer Space Domes

Naser Shbakhty, Abdolhamid Bahr Peyma,

AUT Journal of Civil Engineering Volume: (4) 1 - 10

17. Novel conductive multi-walled polymeric nanotubes of poly (diazoaminobenzene) for single-layer polymer solar cell

Sahar Shabzendedar, Ali Reza Modarresi Alam, Abdolhamid Bahr Peyma, Meissam Noroozifar, Kagan Kerman

REACTIVE and FUNCTIONAL POLYMERS Volume: (149) 104529-1 - 104529-10

2019

18. Classification correction of polynomial response surface methods for accurate reliability estimation

Mohsen Rashki, Hassan Azarkish, Mehdi Rostamian, Abdolhamid Bahr Peyma

STRUCTURAL SAFETY Volume: (81) 1 - 12

19. Effect of different probabilistic constraints on optimization of space structure domes

, Naser Shabakhty, Abdolhamid Bahr Peyma

JOURNAL OF INTELLIGENT and FUZZY SYSTEMS Volume: (37) 645 - 655

2018

20. Adapted Design Of Experiments for Dimension Decomposition Based Meta Model in Structural Reliability Analysis

Mehralah RakhshaniMehr, Hamed Mirkamali, Mohsen Rashki, Abdolhamid Bahr Peyma

Scientia Iranica Volume: (0) 0 - 0

2014

21. INSPIRATION OF POTENTIAL ARCHITECTURE IN THE PAST FOR THE FUTURE OF ARCHITECTURE IN SISTAN

Abdolhamid Bahr Peyma

AAPS PHARMSCI Volume: (4) -

22. بررسي تاثير FRP بهمراه بازشو بر ميزان جذب انرژي ديوار برشي فولادي

Abdolhamid Bahr Peyma, Mansour Ghalehnovi, Mojtaba Ghasemzadeh

Volume: (2) -

2012

23. Achieving the best mixture plane for self compact concrete

Abdolhamid Bahr Peyma

academic radiology Volume: (11) -

24. A semi-analytical model for performance evaluation of heat pipe photovoltaic thermal collectors

Abdolhamid Bahr Peyma, Faramarz Sarhaddi, Amin Haji Hosseini

International Journal of Advanced Design and Manufacturing Technology Volume: () -

25. The Process of Discovering the Meaning of Sign in Architecture. Case Study: Vernacular Architecture of Sistan Region

Abdolhamid Bahr Peyma, Mohammad Ali Sargazi

Opcion Volume: () -

2016

1. Design solutions based on psychological environment to mental health

International Conference on Scince and Engineering

, Abdolhamid Bahr Peyma,

2. Investigating the role of landscape design in relation to the elderly with the perilone environment and improving the health of the elderly

The 4th International Congress of Civil Engineering Urban Development Architecture

, Abdolhamid Bahr Peyma

3. Investigate the Relationship between Urban Management and Sustainable Architecture Indicators

International Conference on new ideas in Architecture Urbanism Geography and Environment sustainability

, Abdolhamid Bahr Peyma

6. Nonlinear Dynamic Analysis the Effects of CFRP on Existed Crack in the Shear Walls Opening

2010

7. Solar Energy and Construction

4 th International Congress of the Islamic Word Geographers

Abdolhamid Bahr Peyma

Executive activities

مشاوره دانشجویان کارشناسي

from 1402/07/01 - to 1403/04/04

معاون پشتيباني دانشگاه

from 1398/06/23 - to 1400/10/30

معاون پشتيباني دانشگاه مورخ 98/1/28

from 1397/11/13 - to 1398/06/22

معاون پژوهشي دانشکده هنر

from 1397/08/27 - to 1397/11/10

مدیر گروه پژوهش هنر

from 1397/02/30 - to 1397/04/01

معاون فرهنگي دانشگاه

from 1394/07/01 - to 1395/04/01

Research Project

2015

1. Studies and design, construction, reconstruction and restoration of the castle of Naseri Iranshahr

Mohammad Ali Sargazi, Abdolhamid Bahr Peyma, Mohsen Keyhanpoor, Maziyar Nikbar - 2015

2014

2. How to use natural energy in the design of educational facilities in Sistan and Baluchestan

Abdolhamid Bahr Peyma - 2014

3. Studies to determine the optimal level of ventilation openings and educational facilities in areas o

Abdolhamid Bahr Peyma - 2014

4. Presented a model posing in educational buildings in Sistan and Baluchestan Province

Abdolhamid Bahr Peyma - 2014

5. Select an appropriate model materials used in schools located in the periphery of Oman.

Abdolhamid Bahr Peyma - 2014

2013

6. Study of Green Architecture in designing for schools in Sistan and Baluchestan

Abdolhamid Bahr Peyma - 2013

2000

1999