

Curriculum Vitae

I. PERSONAL INFORMATION:

Name: Abolfazl Arabzadeh

Address: Civil Engineering Department

Tarbiat Modares University, P.O. Box. 14155-143, Tehran, Iran

Telefax: +98 21 82883323

E-mail: arabzade@modares.ac.ir

II. EDUCATIONAL RECORDS:

- B. Sc. in Civil Engineering, United Kingdom, Sunderland University, 1986.
- M. Sc. in Civil Engineering, United Kingdom, Strathclyde University, 1988.
- Ph.D. Civil Engineering, United Kingdom, Dundee University, 1992.

III. ACADEMIC EXPERIENCES:

- Associate Professor, Tarbiat Modares University, Tehran, Iran, (2012-present)
- Assistant Professor, Tarbiat Modares University, Tehran, Iran, (1993-2012)

IV. MEMBERSHIP OF SCIENTIFIC SOCIETIES:

- Consultant, researcher and responsible for manufacturing laboratory samples in Housing and Urban Development Research Center
- Ministry of Road Research Center
- Civic Center of Tehran

V. REFEREE FOR JOURNAL ARTICLES SUBMITTED TO:

International Journal of University of science and technology, Civil Engineering

Journal of Tarbiat Modares University, Modares Civil Engineering

Journal of Sharif University, Sharif Civil Engineering

Shiraz University, Journal of Science and Technology Transactions of Civil Engineering

Technical Journal of Tehran University, Tehran University

Iranian Journal of Isfahan University of Technology, Science and Technology

Journal of Amirkabir University of Technology, Amirkabir Civil Engineering

Journal of Ferdows University, Ferdowsi Civil Engineering

Journal of Guilan University, Concrete Research Quarterly

VII. JOURNAL PAPERS

A. Arabzadeh, H.R. Kazemi Nia Korrani, "Examination of Nonlinear Behavior of Special Steel Plate Shear Wall with opening", Journal of Sharif Civil Engineering, Accepted Manuscript, Available Online from 21 December 2018. DOI: 10.24200/j30.2018.1408.

A. Arabzadeh, E. Omranian, " Investigation of Stiffness Effect of Coupling Beam on Boundary Element Detailing In Structures with Hybrid Coupled Shear Walls", Iranian Journal of Science and Technology, Transactions of Civil Engineering, Volume 41, Issue 2, pp 113–119, June 2017.

A. Arabzadeh, R. Hizaji, "Failure Mechanism in Fixed-Ended Reinforced Concrete Deep Beams under Cyclic Load", World Academy of Science, Engineering and Technology International Journal of Civil and Environmental Engineering, Volume: 11, No: 4, 2017.

A. Arabzadeh, H.R. Kazemi Nia, "Opening and Space between shear connections effect on composite shear walls behavior", Journal of Sharif Civil Engineering, Volume 17, Issue 3, Page 118-130, September 2017.

A. Arabzadeh, H. R. Kazemi Nia Korrani, "Numerical and Experimental Investigation of Composite Steel Shear Wall with Opening", International Journal of Steel Structures, 17(4), P. 1371-1379, December 2017.

H. Ahmadi Taleshian, A. Arabzadeh, "Effects of the number of Concrete panel and Concrete strength on the behavior of Composite Shear Wall", *Journal of Modares Civil Engineering*, Volume 16, Issue 4, Page 187-198, January and February 2016.

R. Aghayari, A. Arabzadeh, K. Zangane Zadeh, "Investigation of Experimental And Analytical of Reinforced Concrete Deep Beams With Concrete of High-Strength Under Distributed Loading", *Journal of Modares Civil Engineering*, Volume 16, Issue 2, Page 21-30, May and June 2016.

A. Arabzadeh, A. Amani Dashlekeh, I. Mahmoudzadeh Khani, S. Inanloo, "CFRP Effects on Reinforced Concrete Deep Beams", *Journal of Ferdowsi Civil Engineering*, Volume 27, Issue 2, Page 1-16, spring-summer 2016.

A. Arabzadeh, M. Mozaffari Jazi, "Comparative Study on Effects of Area and Position of Opening on Behavior and Shear Capacity of Concrete Shear Walls", *Concrete Research Quarterly Journal*, Volume 8, Issue 2, Page 117-128, 2016.

A. Arabzadeh, M. Shafie, "Strengthening Steel Shear Wall After Opening Creation", *Journal of Sharif Civil Engineering*, Volume 32.2, Issue 2.2, Page 117-124, Summer 2016.

A. Arabzadeh, A. Amani Dashlekeh, I. Mahmoudzadeh Kani, " Experimental Study of prestressed RC Deep Beams retrofitted by CFRP", *Journal of Modares Civil Engineering*, Volume 15, Page 117-126, September and October 2015.

M. Varmazari, A. Arabzadeh, H. Moharami, "Investigation of Web sides way buckling phenomenon in Steel Girders", *Journal of Sharif Civil Engineering*, Volume 15, Issue 1, Page 56-73, May-June 2015.

M. J. Zohre Vand, A. Arabzadeh, "Numerical Study of Behavior of Simply Supported RC Deep Beams with Openings", *Journal of Modares Civil Engineering*, Volume 14, Page 87-99, especial issue in summer, September and October 2014.

H. Ahmadi, A. Arabzadeh, "Evaluating the Effects of Distance Between Bolts on the Behavior of Composite Steel Shear Wall", *Asian Journal of Civil Engineering*, ISSN 1563-0854, Volume 14, Number 1, 145-159, AJCE (2013).

A. Arabzadeh, R. Aghayari, A. R. Rahai, "A new model for predicting the effective strength in reinforced concrete bottle-shaped struts", *International Journal of Civil Engineering*, Vol. 10, No. 4, December 2012.

A. Arabzadeh, R. Aghayari, A. R. Rahai, "Investigation of experimental and analytical shear strength of reinforced concrete deep beams", *International Journal of Civil Engineering*, Vol. 9, No. 3, September 2011.

A. Arabzadeh, H. Moharami, A. Ayazi, "Local elastic buckling coefficients of steel plates in composite steel plate shear walls", *Journal of Sharif Civil Engineering*, Production and hosting by Elsevier, P 9–15, 2011.

A. Arabzadeh, M. Soltani, A. Ayazi, "Experimental investigation of composite shear walls under shear loadings", *Elsevier, Thin-Walled Structures*, P 842–854, 2011.

A. Arabzadeh, M. Varmazyari, "Strength of I-girders with Delta stiffeners subjected to eccentric patch loading", *Journal of Constructional Steel Research*, P. 1385-1391, 2009.

A. Arabzadeh, H. Mahanpoor, "The Experimental Study of the Effect of FRP Laminates on Shear Strength of RC Fixed Ended Deep Beams", *Journal of Modares Civil Engineering*, Volume 11, Issue 2, September and October 2011.

A. Arabzadeh, M. Pishvaei, "The effect of spacing between concrete panel and steel frame on composite shear walls behavior", *Journal of Structural and Steel Research*, Seventh year, No. 10, winter 2011.

A. Arabzadeh, A. R. Rahaie, R. Aghayari, "A Simple Strut-and-Tie Model for Prediction of Ultimate Shear Strength of RC Deep Beams", *International Journal of Civil Engineering*, University of Science and Technology, Vol. 7, No. 3, September 2009.

A. Arabzadeh, M. Sinafar, " Behavior Coefficient of Shear Wall With Opening", *Journal of Modares Civil Engineering*, Volume 7, Issue 11, Page 23-32, May and June 2008.

A. Arabzadeh, M. Gholami, "Nonlinear Analysis of Reinforced Concrete Deep Beams With Simply Supports", *Journal of Modares Technical Engineering*, No. 29, Autumn 2007.

A. Arabzadeh, M. T. Kazemi, H. Ghorban Karimi, "Investigating the behavioral model of concrete under cyclic loads", Concrete Technology Journal, No. 8, November 2007.

A. Arabzadeh, M. Rezaei Kermanshah, "Effect of Factors Influencing the Buckling Capacity of Continuous Beams of Single-Axis I-Shape Bridges", Journal of Transportation, Third Year, No. 1, 2006.

A. Arabzadeh, M. Adibi, S. Ershadi, "Analysis of Reinforced Concrete Simply Supported Deep Beams", International Journal of industrial engineering and production management(IJIE), Iran University of Science and Technology, Volume 12, Number 2, pp. 99-199, 2002.

A. Arabzadeh, "Analysis of Some Experimental Results of Simply Supported Deep Beams Using Truss Analogy Method", Journal of Science and Technology Shiraz University, No.25, P 115-128, 2001.

A. Arabzadeh, "Some experimental results for reinforced concrete deep beams with fixed supports", Structural Engineering Review, ISSN (0952-5807), Vol. 6, NO.2, P (105-128), 1994.

VIII. LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS

A. Arabzadeh, M. Fathi, "Numerical Investigation of Parameters Affecting Deep Beam under Static Single Point Load", Third International Conference on Structural Engineering, Tehran, February 2017.

A. Arabzadeh, M. Fathi, "Reinforced Concrete Deep Beam Under Incremental Point Load Using Numerical Analysis", 4th National Conference on Applied Research in Civil Engineering, Tehran, February 2017.

A. Arabzadeh, "The Effects of Boundary Conditions on Reinforced Concrete Deep Beams", 3rd International Conference on Civil, Architectural and Structural, Norway, 2016.

A. Arabzadeh, R. Hizaji, "Effects of Dimension and Boundary Condition of Columns in Rigidity of Reinforced Concrete Deep Beams, 3th International Conference on Architecture, Structure and Civil Engineering, Norway, ICASCE -17-19 Aug 2016.

A. Arabzadeh, M. R. Babadaei, "Investigating the behavior of the steel shear wall connection to the concrete frame under cyclic load", 1st National Conference on Applied Research in Structural Engineering and Construction Management, Tehran, 2016.

A. Arabzadeh, M. R. Babadaei, "Investigating the behavior of the steel shear wall connection to the composite frame under cyclic load", 1st National Conference on Applied Research in Structural Engineering and Construction Management, Tehran, 2016.

H.R. Kazemi Nia Korrani, A. Arabzadeh, "Investigation of changes in the behavior of composite and steel shear walls with opening", International Conference on Civil Engineering, Tehran, 2016.

A. Arabzadeh, A. Jabari, "Investigation of the resistance of the shear wall with the openness and the factors affecting its capacity and hardness", Second National Conference on Structural Engineering, Amirkabir University of Technology, Tehran, 2016.

A. Arabzadeh, R. Hizaji, "Effect of Shear Deformation on the Fundamental Frequencies of Composite Laminates in Different Thickness", 7th International Conference on Seismology & Earth quake Engineering, International Institute of Earthquake Engineering and Seismology (IIEES), Iran- Tehran, 18-21 may 2015.

A. Arabzadeh, A. Jabari, "Investigation of Factors Effecting the Rupture of Concrete Shear Sections with Their Patches and their Theory Models", Second National Conference of Earthquake, Iran, Qazvin, Imam Khomeini International University (RA), 2015.

A. Arabzadeh, M. Mozaffar Jazi, "Investigation of the effect of openings in the lower part of the wall on the behavior and ultimate shear strength of reinforced shear walls with regular openings", International Conference on Architecture, Civil Engineering and Urban Planning in the Third Millennium, Tehran, 2015.

A. Arabzadeh, M. Mozaffar Jazi, "Comparison of the Effect of Area and Opening Position on Behavior and Ultimate Strength of Concrete Shear Wall", 7th National Concrete Conference of Iran, Concrete Association of Iran, Tehran, 2015.

A. Arabzadeh, P. Talebi Kalan, "Numerical Modeling of RC Deep Beams", Fourth National Conference on Modern Civil Engineering Materials, Iran, Yasuj, 2015.

A. Arabzadeh, P. Talebi Kalan, "Investigation of the Debanding mode of Ruptureing of Retrofited RC Beams With FRP and Numerical Theory For it", International Conference on Architecture, Civil Engineering and Urban Planning in the Third Millennium, Tehran, 2015.

A. Arabzadeh, P. Talebi Kalan, "Numerical Modeling Behavior of Pre-Stress RC Deep Beams Retrofitted With FRP", Second National Conference on Architecture, Civil Engineering and Urban Development, Urmia, 2015.

A. Arabzadeh, M. Mozaffar Jazi, "Investigation of the openness position on the behavior and shear strength of the reinforced concrete shear walls with regular openings", Second National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, 2014.

H.R. Kazemi Nia Korrani, A. Arabzadeh, "Static and Modular Analysis of Composite Shear Walls with Opening", Eighth National Congress of Civil Engineering, Civil Engineering Faculty, Babol, 2014.

A. Arabzadeh, M. Nezami, "Optimization of the Delta section under the influence of localized loading without eccentric", Second National Conference on Applied Research in Civil Engineering, Architecture and Urban Management, Tehran, March 2015.

H. Safaei, A. Arabzadeh, "Comparison of the effect of size in deep beams with ordinary concrete and light weight concrete", 5th National Conference on Earthquake and Structures, University of Kerman, 2014

H. Safaei, A. Arabzadeh, "Investigating the size effect in deep beams made with light weight concrete", the fourth annual national conference of concrete in Iran, Iran Concrete Association, Tehran, 2012.

A. Arabzadeh, m. Nikourush, M. Soltani Mohammadi, "The effect of tensile hardening models on the numerical response of reinforced concrete beams under the effect of flexural anchor", Fourth Annual National Concrete Conference of Iran, Iran Concrete Association, Tehran, 2012.

A. Ayazi, A. Arabzadeh, S. Inanlo, "Investigation of seismic behavior of composite shear walls based on experimental results", 6th International Conference on Seismology and Earthquake Engineering, International Institute of Earthquake Engineering and Seismology (IIEES), Iran- Tehran, 16-18 May 2011.

A. Arabzadeh, R. Aghayari, "experimental study of some high-strength concrete isolated struts", Central European Congress on Concrete Engineering, Balatonfured, 2011.

A. Arabzadeh, R. Aghayari, "Behavior and Shear Strength of Reinforced High-Strength Concrete Deep Beams", Central European Congress on Concrete Engineering, Balatonfured, 2011.

M.J. Zohrevand, A. Arabzadeh, "Numerical Study of RC Deep Beams With Opening in Concrete", 9th International Congress of Civil Engineering, Isfahan University of Technology, 2011.

A. Arabzadeh, A. Omranian, "Investigating the behavior of steel coupling beams in reinforced shear walls under cyclic loading", Second National Conference on Steel and Steel, Tehran, 2011.

A. Ayazi, A. Arabzadeh, M. Soltani Mohammadi, "Effect of different parameters on seismic behavior of composite shear walls according to experimental studies", 1st National Conference on Structure, Earthquake and Geotechnics, February 2011.

A. Ayazi, H. Ahmadi Taleshian, A. Arabzadeh, "Effect of number and method of placing bolts on behavior of composite shear wall", 5th National Congress on Civil Engineering, Ferdowsi University, May 2010.

A. Arabzadeh, H. Mahanpour, "Experimental studies on the effect of CFRP sheets on the shear strength of fixed ended deep beams", 5th National Congress of Civil Engineering, Ferdowsi University of Mashhad, 2010.

A. Arabzadeh, M. Pishvaei, "The effect of the gap between the concrete panel and the steel frame of composite shear wall", 1st national constructions and steel conference and the second conference on the use of structural steels in the construction industry, Tehran, 2010.

A. Arabzadeh, A. Ayazi, "Investigation of elastic buckling of steel plates used in composite shear walls using Riley-Ritz method", 8th International Congress of Civil Engineering, Shiraz University, Shiraz, 2009.

A. Arabzadeh, M. Mirzaei, "Evaluation of shear strength of retrofitted reinforced concrete deep beams with CFRP", 8th International Congress of Civil Engineering, Shiraz University, 2009.

A. Arabzadeh, M. Panahi Dorcheh, "Parameters Affecting the Reinforcement of Retrofitted RC Deep Beams With FRP", 8th International Congress of Civil Engineering, Shiraz University, 2009.

A. Arabzadeh, M. Varmaziari, "Behavior of I-Girder with Delta Stiffener Under Eccentric Point Loads", 4th National Congress on Civil Engineering, University of Tehran, 2008.

A. Arabzadeh, M. Varmaziari, "Controlling the side way torsional buckling of steel I-Girder with Delta Stiffing", 4th National Congress on Civil Engineering, University of Tehran, 2008.

A. Arabzadeh, M. Aliakbarpour Azani, "Comparison of analytical results of deep beams under top and bottom loading", Fourth National Congress of Civil Engineering, University of Tehran, 2008.

A. Arabzadeh, H. Hemmati Pour Gashti, A. Sadri Nezhad, "Retrofitting of Modular Steel Bracing Frames with EBF Braces or Chevron ", First International Conference on Seismic Retrofitting, Tabriz, 2008.

A. Arabzadeh, M. Varmaziari, "Evaluation of torsion strength of I-Girder Delta stiffer", Third National Congress of Civil Engineering, Tabriz University, 2007.

A. Arabzadeh, M. Aliakbarpour Azani, "Comparison of experimental analytical results of deep beams loaded from Bottom", Third National Engineering Congress, Tabriz, Iran, 2007.

A. Arabzadeh, M. Aliakbarpour Azani, "Comparison of the behavior of deep beams under loading from top and bottom", Third National Engineering Congress, Tabriz, Iran, 2007.

H. Ghorban Karimi, A. Arabzadeh, "Calculation of natural frequency of cracked beams using fracture mechanics method", Third National Congress of Civil Engineering, Tabriz University, Iran, 2007.

A. Arabzadeh, A. Kheirati, "The Effect of the Explosive Explosion Concentrated around the Buildings", Third National Congress of Civil Engineering, Tabriz University, 2007.

A. Arabzadeh, A. Kheirati, "Comparison of ACI Standards and Iran's 2800 Standard for the Analysis of Acoustical Flue Against Earthquake", 7th International Congress on Civil Engineering, Tehran, Tarbiat Modares University, Faculty of Civil Engineering, 2006.

S. A. Hamidi, A. Arabzadeh, "Approximation of polynomial functions using functional analysis and its application in engineering", 7th International Congress of Civil Engineering, Tarbiat Modares University, Tehran, Iran, 2006.

A. Arabzadeh, Y. Gholipour, H. Zamani Fekri, "Effect of shear bonding on load On the behavior of concrete structures under the influence of lateral forces", 7th International Congress of Civil Engineering, Tarbiat Modares University, Tehran, Iran, 2006.

A. Arabzadeh, "A Simple Method Compatible With Iranian Concrete Standard "ABA" for Analysis and Design of RC Deep Beams", The 2nd International Conference on Concrete and Development, Tehran, Iran, 2005.

A. Arabzadeh, A. Mohebi Khah, "Computing the diffraction of the beam on elastic bed with decomposition method", Second National Congress of Civil Engineering, Tehran, University of Science and Technology, 2005.

A. Arabzadeh, M. Kaheh, "The buckling behavior of a panel of I-Girder with delta stiffer under bending load", Second National Congress of Civil Engineering, Tehran, University of Science and Technology, 2005.

A. Arabzadeh, M. Zamanian, "Calculating the buckling load of diagonal columns with consideration of their weight effects", 2nd Conference on Thin-walled Structures, Shahid Bahonar University of Kerman, 2005.

A. Arabzadeh, "analysis of a RC simply supported deep beam with nonlinear computer program", Proceedings of the International Conference held at the University of Dundee, Scotland, UK on 5–7 July 2005.

A. Arabzadeh, M. Esmaeili, "The behavior of braced pipe structures constructed in high-rise buildings under the influence of earthquake force", 6th International Conference on Civil Engineering, Isfahan University of Technology, 2003.

A. Arabzadeh, M. Javdan, "Deep Beam Behavior under Dynamic Force", Fourth International Conference on Seismology and Earthquake Engineering, International Institute of Earthquake Engineering and Seismology, Tehran, 2003.

A. Arabzadeh, H. Farahmand, "Analysis of RC Deep Beams With Finite Element Method", 6th International Conference on Civil Engineering, Isfahan University of Technology, 2003.

A. Arabzadeh, A. Bahraini Nezhad, F. Omid Nasab, "Estimation of the ultimate shear strength of simply supported reinforced concrete deep beams using Artificial Neural Networks", 6th International Conference on Civil Engineering, Isfahan University of Technology, 2003.

A. Arabzadeh, Y. Sahraei, "Investigating the Behavior of RC Deep Beams Simply Supported the Busters", First International Conference on Concrete and Development, Tehran, 2001.

A. Arabzadeh, "Behavior of simply supported RC deep beams subjected to uniformly distributed load", First International Conference on Concrete and Development, Tehran, 2001.

A. Arabzadeh, "Application of water and local materials of Chababar for the construction of concrete blocks", 5th International Conference on Civil, Concrete and Steel Structures, Ferdowsi University of Mashhad, 2000.

A. Arabzadeh, "Ultimate strength and failure modes of simply supported deep beams", International Conference of Civil Engineering, Sharif University, Tehran, Iran, 1997.

A. Arabzadeh, "Truss Analogy method for the analysis of reinforced concrete fixed-ended deep beams", The Second International Conference in Civil Engineering on Computer Applications, Research and Practice and Practice, Bahrain Conference, April 1996.

N. K. Subedi, A. Arabzadeh, "reinforced concrete deep beams with fixed boundary conditions", Proceedings of the International Conference held at the University of Dundee, Scotland, 1995.

Research Projects:

Investigating the behavior of deep beams under distributed load, Housing Research Center, 1997-1998.

Application of water and local materials of Chababar to produce resistant concrete, Research Center of Ministry of Roads and Transportation, 2000-2001.