



نام: مرتضی

نام خانوادگی: حسینعلی بیگی

Dr. M. Hosseinali Beygi

آدرس ایمیل m.beygi@nit.ac.ir

صفحه اصلی استاد: <http://civil.nit.ac.ir/ms/m.h.a.beygi/home.aspx>

استادیار دانشکده مهندسی عمران دانشگاه صنعتی نوشیروانی بابل، مازندران، ایران
Assistant Professor of Civil Engineering Faculty - Babol Noshirvani University of Technology, Mazandaran, Iran

سوابق تحصیلی :

کارشناسی مهندسی سازه دانشگاه صنعتی شریف (۱۳۵۵)

دکترای مهندسی سازه (پل های بتن آرمه) از دانشگاه (ولز- انگلستان) (۱۳۷۳)

BSc in Structural Engineering Sharif University of Technology, 1976,

PhD in Civil Engineering (Structural Engineering) Wales University, UK 1994

عنوان پایان نامه دکتری:

بررسی رفتار و تغییر شکل‌های وابسته به زمان در پلهای بتنی پیش تنیده ساخته شده به روش قطعه ای

Thesis Title:

Time – Dependent Behavior of Segmentally Erected Pre-stressed Concrete Bridges

پژوهش و تحقیقات دانشگاهی:

بررسی رفتار پلهای بتن آرمه، پلهای پیش تنیده و پلهای فلزی، بررسی رفتار سازه های بتن آرمه، بهسازی سازه ها، طراحی پلها و سازه ها، بررسی خواص مهندسی بتن های توانمند (SCC) و سبک سازه ای و کاربرد آنها در سازه های و پلها، بهسازی سازه ها با استفاده از مواد CFRP, GFRP, FRP، بتن سبک خودتراکم، خواص مکانیکی استفاده از PET بازیافتی در بتن

Research Interests:

Behavior of Concrete Bridges, Pre-Stressed Bridges, Steel Bridges, Behavior of Concrete Structures, Rehabilitation of Structures, Designing of Bridges and Structures, Investigation Mechanical Properties of Ultra High Performance Concrete, Self-Compacting Concrete, Light Weight Structural Concrete and their application in Structures and Bridges, Strengthening of Structures with FRP, GFRP and CFRP, Light Weight SCC, Mechanical Properties of Recycled PET in Concrete.

افتخارات کسب شده

انتخاب بعنوان استاد برتر بتن توسط انجمن بتن آمریکا (شاخه ایران) سال ۱۳۸۹

سوابق اجرایی :

- ۱- استادیار دانشکده مهندسی عمران- دانشگاه مازندران
- ۲- استادیار دانشکده مهندسی عمران دانشگاه صنعتی نوشیروانی بابل
- ۳- مدیر گروه مهندسی عمران دانشکده فنی مهندسی دانشگاه مازندران ۱۳۵۸ - ۱۳۶۰
- ۴- سرپرست دفتر فنی دانشگاه مازندران (۱۳۶۲ - ۱۳۶۰)
- ۵- معاون عمرانی دانشگاه مازندران (۱۳۶۲ - ۱۳۶۵)
- ۶- معاون پژوهشی مرکز تحقیقات وزارت راه و ترابری (۱۳۷۴ - ۱۳۷۳)
- ۷- مدیر گروه آموزشی مهندسی عمران دانشکده فنی بابل (۱۳۷۵ - ۱۳۷۴)
- ۸- معاون فنی و عمرانی دانشگاه مازندران (۱۳۷۸ - ۱۳۷۶)
- ۹- مشاور عمرانی دانشگاه مازندران (۱۳۸۷ - ۱۳۷۸)
- ۱۰- مشاور معاونت پژوهشی دانشگاه مازندران (۱۳۸۷ - ۱۳۷۹)
- ۱۱- سرپرست دفتر ارتباط با صنعت دانشگاه مازندران (۱۳۷۹ به مدت ۶ ماه)
- ۱۲- رئیس دانشکده مهندسی عمران دانشگاه مازندران (۱۳۸۵ - ۱۳۸۷)
- ۱۳- رئیس دانشکده مهندسی عمران دانشگاه صنعتی نوشیروانی بابل (۱۳۸۸-۱۳۸۹)
- ۱۴- طراحی ۱۵ پل در استانهای مازندران و گلستان
- ۱۵- رئیس موسسه آموزش عالی راه دانش بابل (۱۳۹۱ - ادامه دارد)

- 1- Assistant Professor of Mazandaran University (1977 - 2008)
- 2- Assistant Professor of Babol Noshirvani University of Technology (2008 - 2011)
- 3- Head of Civil Engineering Department - Mazandaran University (1979 - 1980)
- 4- Head of Technical Office - Mazandaran University (1981 - 1983)
- 5- Vice Chancellor in attendant of Development of Mazandaran University (1983 - 1986)
- 6- Vice Chancellor of Research Center of Ministry of Road and Transportation (1995 - 1996)
- 7- Head of Civil Engineering Department - Mazandaran University (1996 - 1997)
- 8- Vice Chancellor in attendant of Development of Mazandaran University (1997 - 1999)
- 9- Advisor of construction Projects of Mazandaran University (1999 - 2008)
- 10- Advisor of Research Affair - Mazandaran University - (2000 - 2005)
- 11- Head of Industrial Relations office, Mazandaran University, 2000.
- 12- Dean of Civil Engineering Department - Mazandaran University (2006 - 2008)
- 13- Dean of Civil Engineering Department - Babol Noshirvani University of Technology (2009 - 2010)
- 14- Designing 15 Bridges in Mazandaran and Golestan Province
- 15- President of Rahedanesh Higher Education Institute (2012 - Continues).

عضویت در شوراها و انجمن ها

- ۱- عضو انجمن بتن ایران
- ۲- عضو انجمن زلزله ایران

۳- عضو انجمن بتن ACI شاخه ایران

۴- عضو انجمن بتن ACI آمریکا

۵- عضو انجمن بتن پیش تنیده آمریکا PCI

۶- عضو انجمن تونل ایران

- 1- Member of Iranian concrete Institute
- 2- Member of Iranian Earthquake Engineering Association
- 3- Member of American Concrete Institute (Iran Chapter)
- 4- Member of American Concrete Institute,
- 5- Member of Pre-stressed Concrete Institute
- 6- Member of Iranian Tunneling Association

سوابق تدریس

دوره دکترای : سازه های بلند و بتن پیش تنیده

دوره کارشناسی ارشد: سازه های بتن پیش تنیده، سازه های بتن آرمه پیشرفته، آزمایشگاه سازه

دوره کارشناسی: سازه های فولادی ۱، سازه های فولادی ۲، پروژه سازه های فولادی، طراحی سازه های بتن آرمه ۱، طراحی سازه های بتن آرمه ۲، پروژه سازه های بتن آرمه، ترمیم سازه ها، سازه های بتانی، استاتیک، اصول مهندسی پل، آز تکنولوژی بتن،

Teaching Experience:

Undergraduate Course: Design of Concrete Structures I & II, Design of Steel Structure I & II, Principle of Bridge Engineering,
Postgraduate Course: Advanced Concrete, Pre-stressed Concrete, Bridge Engineering,
PhD Course: High Rise Building

راهنمایی یش از ۵۰ پایان نامه کارشناسی ارشد در دانشکده عمران دانشگاه ماندران و دانشگاه صنعتی نوشیروانی بابل

راهنمایی یش از ۳۰ پایان نامه دوره کارشناسی ارشد در دانشکده عمران دانشگاه علوم و فنون ماندران

راهنمایی ۲ پایان نامه دوره کارشناسی ارشد در دانشکده عمران دانشگاه علم و صنعت ایران

راهنمای ۵ پایان نامه دوره کارشناسی ارشد دانشگاه آزاد اسلامی واحد آیت الله آملی

راهنمایی ۲ پایان نامه دوره کارشناسی ارشد دانشگاه آزاد اسلامی واحد بروجرد

راهنمایی ۲ پایان نامه دوره کارشناسی ارشد دانشگاه آزاد اسلامی واحد تاکستان

راهنمایی ۱ پایان نامه دوره کارشناسی ارشد دانشگاه آزاد اسلامی واحد علوم تحقیقات تهران

راهنمایی ۱ پایان نامه دوره دکتری عمران سازه دانشگاه ولز انگلستان

مشاور ۱ پایان نامه دوره دکترای عمران سازه دانشگاه تهران

راهنمایی ۲ پایان نامه دوره دکترای عمران سازه دانشگاه صنعتی نوشیروانی بابل

ردیف	نام و نام خانوادگی	دانشگاه	عنوان پایان نامه	همکاران	وضعیت تحصیلی
۱	دکتر سیدباقر حسینیان	Wales University, Cardiff, UK	Shrinkage of concrete stored in natural environments	Professor B. Barr, Dr. M.H.A. Beygi	فارغ التحصیل ۲۰۰۰
۲	دکتر یدالله باطبی	دانشگاه تهران	بررسی تجربی و تحلیلی تقویت خمشی اعضای چوب قدیمی در ساختمان های تاریخی با GFRP	دکتر یعقوب قلی پور دکتر ابراهیمی دکتر حسینیعلی بیگی	فارغ التحصیل ۱۳۸۸
۳	دکتر ایمان محمدپور نیک بین	دانشگاه صنعتی نوشیروانی بابل	بررسی عوامل تاثیر گذار در خصوصیات شکست بتن خودتراکم	دکتر حسینیعلی بیگی دکتر محمدتقی کاظمی دکتر واثقی امیری	فارغ التحصیل ۱۳۹۲
۴	دکتر زهرا تبریزیان	دانشگاه صنعتی نوشیروانی بابل	تشخیص آسیب در پلهای فولادی با استفاده از الگوریتم های تکاملی	دکتر حسینیعلی بیگی دکتر قدرتی امیری دکتر واثقی امیری	فارغ التحصیل ۱۳۹۲
۵	مهندس ملامحمدی	پردیس دانشگاه صنعتی نوشیروانی بابل	در حال تهیه پروپوزال	دکتر دهستانی دکتر حسینیعلی بیگی	دانشجو فعلی
۶	مهندس حدیری	پردیس دانشگاه صنعتی نوشیروانی بابل	در حال تهیه پروپوزال	دکتر نوائی نیا دکتر حسینیعلی بیگی	دانشجو فعلی
۷	مهندس مسگریان	دانشگاه آزاد اسلامی واحد قائمشهر	در حال تهیه پروپوزال	دکتر غلامپور دکتر حسینیعلی بیگی	دانشجو فعلی
۸	مهندس قریشی طیبی	دانشگاه آزاد اسلامی واحد قائمشهر	در حال تهیه پروپوزال	دکتر غلامپور دکتر حسینیعلی بیگی	دانشجو فعلی

- کتاب ها:

دیوارهای برشی فولادی (عملکرد، تحلیل و طراحی): ۱۳۹۰ چاپ اول / انتشارات دانشگاه صنعتی نوشیروانی بابل / تالیف: دکتر جواد واثقی امیری، دکتر مرتضی حسینیعلی بیگی، مهندس ایمان محمدپور نیک بین

پل های رابرت میلارت: ۱۳۸۸ / انتشارات علم و دانش موسسه آموزش عالی علامه محدث نوری / ترجمه دکتر مرتضی حسینیعلی بیگی، مهندس حمیدرضا ناصر سعید، مهندس احمدرضای موذن

تکنولوژی عالی بتن: ۱۳۹۳ / انتشارات علوم رایانه / تالیف: دکتر مرتضی حسینیعلی بیگی - مهندس ابراهیم رحمانی - دکتر ایمان محمدپور نیک بین

- مقالات نشریه های معتبر:

- مقالات ژورنالی

1. B. I. G. Barr, J. L. VITEK and **A. Beigi. M.**, Seasonal shrinkage variation in bridge segments, (Journal of Materials and Structures, Vol. 30, March 1997. PP 106 - 111) (Written in English)
- 2- B. Barr, S. B. Hoseinian, **A. Beigi. M.**, Shrinkage of concrete Stored in natural environments, (Cement & concrete Composites 25 (2003) 19 29) (Written in English)
- 3- Vaseghi. Amiri, J., & **H. A. Beigi. M.**, and Hossien Zadeh, S.H., Experimental Investigation of Flexural Behaviour of Strengthened Beams Using GFRP and Steel Plates, (International Journal of Engineering Science, Vol. 14, No. 2, PP. 245 256, (2003) (Written in Persian))
- 4- **H. A. Beigi. M.**, & M. Doostdar, H., and A. Shoormasti, H., Experimental Investigation of Composite Beams with Steel Plate in the Tension Face under Static Loading, (Journal of Engineering of Mazandaran University, Vol. 2, No. 1, (2003) (Written in Persian))
- 5- **M. H. A. Beigi. M.**, & Vaswghi. Amiri, J., and Ebrahimnejad. H., Experimental Investigation and Determination of Ultimate shear Strength of R.C. Beams Strengthened with Steel and GFRP Plates, (Journal of Engineering of Mazandaran University, Vol. 2, No. 2, (2003) (Written in Persian))
- 6- Rahimi. M, & **M. H. A. Beigi. M.**, and Vaseghi. Amiri. J., Evaluation of Small Circular Opening on Behaviour of Shear and Flexural R.C. Beams Made of Normal and High Strength Concrete, (Journal of Engineering of Mashad University, Vol. 16, No. 1, (2004) (Written in Persian))
- 7- Moazen. A. R, **M.H. A. Beigi. M.**, Vaseghi. J, Shafigh. P, The Experimental Investigation of effect of steel fiber on compressive and tensile strength, Journal of Concrete Technology, Vol. 1, No 4, September (2005) (Written in Persian)
- 8- **M. H. A. Beigi. M.**, S. B. Hoseinian, Shafigh. P. The Investigation of Mechanical Properties of Light weight Concrete, (Journal of Engineering of Mashad University, Going to be published, ((Written in Persian))
- 9- **M. H.A. Beigi**, J. Vaseghi-Amiri, A. Asghari, A. Mohamadnia-Otaghsara, S. A. Mostafavian, Experimental Investigation and determination of Ultimate Shear and Flexural Strength of Reinforced T Beams Strengthened with CFRP Plates, Journal of Iranian Society of Civil Engineering, Vol.8, No.17, pp 53 63, 2005,, ((Written in Persian))
- 10- **M.H.A. Beigi**, A. Asghari, P. Shafigh, S. Mohamadzadeh, Experimental Consideration of the effect of steel fibers upon mechanical properties, ductility and ultimate shear strength of high strength concrete beams, Journal of Iranian Society of Civil Engineering, Vol.8, No.18, pp 59 67, 2005,, ((Written in Persian))
- 11- **M.H.A. Beigi**, Y. Mallah, P. Shafigh, M. Moghimi, Experimental Investigation of Mechanical Properties of Self Compacting Concrete, Concrete Technology (ACI- Iran Chapter), Vol 1, No. 5, pp 24 30, 2006, Written in Persian))
- 12- **M.H.A. Beigi**, B. Navaynia, M. Eskandari-Nadaf, M. Ranjbar, Experimental Investigation of effect of distance and percentage of vertical and horizontal steel of web on shear behavior of deep beams made of light weight concrete, Concrete Technology (ACI- Iran Chapter), Vol 1, No. 6, pp 12 17, 2006, Written in Persian))
- 13- **M.H.A. Beigi**, M.T. Kazemi, S. Abasi, R. Ahmadi, Assessment of an old concrete arch bridge in Amol-Iran, Concrete Technology (ACI- Iran Chapter), (To be published in 2007) ((Written in Persian)).

- 14- S. Fallahian, **M.H.A. Biygi**, B. Navaynia, Investigation of flexural behavior of deep beams made of light weight concrete with normal strength, Journal of Engineering of Mazandaran University, Vol 4, No.2 (Civil Engineering Issue), pp 25-32, 2006, ((Written in Persian))
- 15- A.Rezai. Moazen, **M.H.A. Beigi**, J. Vaseghi-Amiri, The investigation of Effect of Steel Fiber on the shear behavior of self compacting concrete beams with normal and high strengths, Journal of Engineering of Mazandaran University, Vol 4, No.2 (Civil Engineering Issue), pp 45-58, 2006, ((Written in Persian))
- 16- **M.H.A. Beygi**, J. Berenjjan, O. Lotfi, A. Sadeghi Nik, I, M. Nikbin, An experimental survey on combined effects of fibers and nanosilica on the mechanical, rheological, and durability properties of self-compacting concrete, Journal of Materials & Design, Volume 50, September 2013, Pages 10191029.
- 17- **M.H. A. Beygi**, M.T. Kazemi, I. M. Nikbin, J. Vaseghi, Amiri, The effect of water to cement ratio on fracture parameters and brittleness of self-compacting concrete, Journal of Materials & Design, Volume 50, September 2013, Pages 267276.
- 18- A. Al. Asghari, **M. H.A. Beygi**, B. Navaynia, A. Asghari, Shear behavior of reinforced concrete deep beams reinforced with CFRP and GFRP, Asas Journal, 13th year, Vol 27, Pages (74-85) 2011 ((Written in Persian)).
- 19- K. Ahangari, **M. H. A. Beygi**, Y. Rezaei, Applicability of fiber reinforced self-compacting concrete for tunnel lining, Arabian Journal of Geosciences, October 2013, Volume 6, Issue 10, pp 3841-3846.
- 20-**Morteza H.A. Beygi**, Mohammad Taghi Kazemi, Iman M. Nikbin, Javad Vaseghi Amiri, Saeed Rabbanifar, Ebrahim Rahmani, The influence of coarse aggregate size and volume on the fracture behavior and brittleness of self-compacting concrete, Cement and Concrete Research 12/2014; 66:75–90..
- 21-Hamed Allahyari, Mehdi Dehestani, **Morteza H.A. Beygi**, Bahram Navayi Neya, Ebrahim Rahmani- Mechanical behavior of steel-concrete composite decks with perfobond shear connectors, Steel and Composite Structures 09/2014; 17(3):339-358.
- 22- I.M. Nikbin, **M.H.A. Beygi**, M.T. Kazemi, J. Vaseghi Amiri, E. Rahmani, S. Rabbanifar, M. Eslami, A comprehensive investigation into the effect of aging and coarse aggregate size and volume on mechanical properties of self-compacting concrete, Materials and Design 07/2014; 59:199–210.
- 23- I.M. Nikbin, M. Dehestani, **M.H.A. Beygi**, M. Rezvani, Effects of cube size and placement direction on compressive strength of self-consolidating concrete, Construction and Building Materials 05/2014; 59:144–150.
- 24- I. M. Nikbin, **M.H.A. Beygi**, M. T. Kazemi, J. Vaseghi Amiri, S. Rabbanifar, E. Rahmani, S. Rahimi, A comprehensive investigation into the effect of water to cement ratio and powder content on mechanical properties of self-compacting concrete, Construction and Building Materials 04/2014; 57:69–80.
- 25- **Morteza Hosseinali Beygi**, Mohammad Taghi Kazemi, Javad Vaseghi Amiri, Iman M. Nikbin, Saeed Rabbanifar, Ebrahim Rahman,i Evaluation of the effect of maximum aggregate size on fracture behavior of self compacting concrete, Construction and Building Materials 03/2014; 55:202–211.
- 26- **Morteza Hosseinali Beygi**, Mohammad T. Kazemi, Iman M. Nikbin, Javad Vaseghi Amiri, The effect of aging on the fracture characteristics and ductility of self-compacting concrete, Materials and Design 03/2014; 55(2014):937–948.

- 27- I. M. Nikbin, **M.H.A. Beygi**, M. T. Kazemi, J. Vaseghi Amiri, E. Rahmani, S. Rabbanifar, M. Eslami, Effect of coarse aggregate volume on fracture behavior of self compacting concrete, *Construction and Building Materials* 02/2014; 52:137-145.
- 28- G. R. Abdollahzadeh, S. Yapang Gharavi, **M hosseinali beygi**, Analytical and Experimental Investigation of I Beam-to-CFT Column Connections under Monotonic Loading, *International Journal of Engineering, Transactions B: Applications* 02/2014; 27(2):293-306.
- 29- Zahra Tabrizian, Gholamreza Ghodrati Amiri, **Morteza Hossein Ali Beigy**, Charged System Search Algorithm Utilized for Structural Damage Detection, *Shock and Vibration* 01/2014; 2014:1-13. DOI:10.1155/2014/194753 ·
- 30-E. Rahmania, M. Dehestania, **M.H.A. Beygia**, H. Allahyaria, I.M. Nikbin, On the mechanical properties of concrete containing waste PET particles, *Construction and Building Materials* 10/2013; 47:1302-1308.
- 31-M. Hoseinzadeh, G.D. Najafpour, **M.A. Beygi**, Effect of Agro-Waste Ash on Mechanical Properties of Epoxy Polymer Concrete, *Energy & Environment* 09/2013; 4(3):283-288.
- 32-**Morteza H.A. Beygi**, Mohammad T. Kazemi, Iman M. Nikbin, Javad. Vaseghi Amiri, The effect of water to cement ratio on fracture parameters and brittleness of self-compacting concrete, *Materials and Design* 09/2013; 50:267–276.
- 33-Zahra Tabrizian, Ehsan Afshari, Gholamreza Ghodrati Amiri, **Morteza Hosseinali Beygi**, Seyed Mohammad Pourhoseini Nejad A new damage detection method: Big Bang-Big Crunch (BB-BC) algorithm, *Shock and Vibration* 02/2013; 20(4):633-648. DOI:10.1155/2013/625914 ·
- 34-M Golestaneh, G Amini, GD Najafpour, **MA Beygi**. Evaluation of Mechanical Strength of Epoxy Polymer Concrete with Silica Powder as Filler, *World Applied Sciences Journal* 01/2010; 9(2):216-220
- 35-A. R. Mansouri, I. Chitsazan, **M. H. A. Beygi**, The Experimental Examination of the Effect of Compressive Reinforced Steel Reinforcements on the Bending Behavior of Reinforcement Reinforced Concrete Beams, *Asian Journal of Applied Sciences* 01/2010; 3(1):1-12.
- 36- Y. B. Motlagh, Y. Gholipour, Gh. Ebrahimi, **M. Hosseinali Beygi**, Experimental and Analytical Investigations on Flexural Strengthening of Old Wood Members in Historical Buildings with GFRP, *Journal of Applied Sciences* 11/2008; 8(21):3887.
- 37-Monireh Sangi, Bahram Navayi neya, **Morteza H. Beygi**, Influence of Silica Fume on the Long-Term Behavior of Self Compacting Concrete, *Journal of Civil and Environmental Engineering*, Page 83 – 90, Volume 43, issue 2, summer 2013.

- مقالات کنفرانسی

- 38- **M.H. A. Beigi**, M., Seismic Design of Concrete Structures Considering Ductility, (Seminar of Seismic Strengthening of Structures, Mazandaran University, Faculty of Engineering, PP., 2 19, (1999) (Written in Persian)
- 39- Vaseghi. Amiri, J., & **H. A. Beigi, M.**, and Fallah. Tafti, M., Determination of Influence of Strain Hardening, Decrease of Stiffness in Height, Percentage of Joint Rigidity on R Factor, (5th International Conference in Civil Engineering, Mashad University, PP., 116 123, (2000) (Written in Persian))
- 40- Berenjjan, J., and **H. A. Beigi, M.**, The Effect of Relative Humidity of Environment on the Time-Dependent Deformations of High Strength Concrete, (5th International Conference in Civil Engineering, Mashad University, PP., 15 22, (2000) (Written in Persian))

- 41- Vaseghi. Amiri, J., & **H. A. Beigi, M.**, and Saydi, M., Parametric Evaluation for Providing Optimum Design of Double Layer Grids in Space Frame Structures, (5th International Conference in Civil Engineering, Mashad University, PP., 121 128, (2000) (Written in Persian))
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