



## CURRICULUM VITAE



### **Farzad Hejazi, PhD**

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**Field of Expertise:** Structural Engineering, Structural Dynamic, Vibration, Finite Element Method, Inelastic Analysis, Earthquake, Damper Device, Vibration Dissipation Systems, Active and Passive Structural Control Systems, Optimization, Computer Program Coding, Structure Simulation.

### Education

1. PhD. Civil Engineering, Structural Engineering, 2011, University Putra Malaysia.
2. M.S. Civil Engineering, Structural Engineering, 2003, IAU, Iran
3. B. S. Civil Engineering, Structural Engineering, 2000, IAU, Iran

### Areas of Interest

1. Seismic Response of Structures Equipped with Structural Control System
2. Linear and Non-Linear Transient Dynamics
3. Finite Element Modeling of Complex Structures
4. Development of New Elements in Finite Element Method
5. Computational in Non-linear Mechanics
6. Tsunami Resistance Structures
7. Smart and Intelligent Structural Control System
8. Soil Structure Interaction Problems
9. Seismic Hazard Assessment of Existing Structures and Retrofitting
10. Earthquake Energy Dissipation systems (Active Control and Passive Control systems)
11. Software (Program Code) Development for Inelastic Analysis of Structures under Dynamic Excitation
12. Optimization of Structures using Genetic Algorithm and Artificial Neural Network

### Professional Qualification/Membership/Affiliation

1. Innovation Champion, Faculty of Engineering, UPM (2014)
2. Recognize as Excellent Staff, Universiti Putra Malaysia, (2014)
3. Member of Management Board, Housing Research Centre, Faculty of Engineering, UPM
4. Member, American Society of Civil Engineering (ASCE)
5. Member, Education Committee of Malaysian Structural Steel Association (MSSA)
6. Member, Disaster Management and Preparedness Research Group - UPM
7. Member, GIS Research Centre - Faculty of Engineering, UPM

### Appointments

Position	Duration
1. Liaison Officer of Universiti Putra Malaysia for promotion of Technology in Middle East and Turkey	2015 to date
2. Innovation Coordinator, Faculty of Engineering, UPM	2014 to date
3. Research Coordinator, Structural Unit, Department of Civil, Faculty of Engineering, UPM	2014 to date



4. Senior Lecturer, Department of Civil Engineering, Faculty of Engineering, UPM 2012 to date
5. Part time Lecturer, Department of Civil Engineering, Faculty of Engineering, UPM 2011 to 2012
6. Post Doctoral Fellow, Department of Civil Engineering, Faculty of Engineering, UPM 2011 to 2012
7. Structural Engineer, UPMHOLDINGS, Consultancy & Services Sdn. Bhd, Malaysia 2009 to 2011
8. Senior Lecturer, Civil House Research and Develop Institute, Tehran, Iran 2004 to 2006
9. Lecturer, Department of Civil Engineering, IAU, Iran 2003 to 2006
10. Construction designer and supervisor, Tehran Municipality, Tehran, Iran 2004 to 2007
11. Chairman and manager, Behine Sazand Spoota Construction Co., Tehran, Iran 2004 to 2010
12. Manager Director, Iran Concrete Institute (ICI), North-West Branch, Iran 2005 to 2008
13. Research Associate and Structural Engineering Ministry of defense of armed forces, retrofitting and seismic rehabilitation of military buildings, Tehran, Iran 2002 to 2003

### Nominations

No	Nominated	Event / Organization	Year
1.	<b>Judge for Open Idea Competition</b>	Malaysian Structural Steel Association, Kuala Lumpur, Malaysia	2013
2.	<b>Judge for Open Idea Competition</b>	Malaysian Structural Steel Association, Kuala Lumpur, Malaysia	2014
3.	<b>Excellent Staff in UPM</b>	Universiti Putra Malaysia	2014
4.	<b>Key member of Scientific Committee</b>	International Conference on Science and Technology in Malaysia	2015
5.	<b>Head of After Action Response (AAR) Team for Collapsed Structures</b>	The ASEAN Regional Forum Disaster Relief Exercises (DiREx), Alor Setar, Malaysia	2015
6.	<b>Panel of Expert in IIC University of Technology</b>	Graduate School of IIC University of Technology	2015
7.	<b>Reviewer of Journal</b>	Malaysian Journal of Civil Engineering, Kuala Lumpur, Malaysia	2015
8.	<b>Judge for Open Idea Competition</b>	Malaysian Structural Steel Association, Kuala Lumpur, Malaysia	2015
9.	<b>Awarded fund as Visitor Lecturer</b>	MEVLANA Exchange Program with Izmir Katip Celebi Univeristy, Izmir, Turkey	2015
10.	<b>Awarded fund as Visitor Researcher</b>	Short Term Research Program in Japan, Tokyo Institute of Technology and Nagoya University. Tokoyo, Nagoya, Japan	2015
11.	<b>Awarded fund as Visitor Expert</b>	1 <sup>st</sup> Summit of Science and Technology Development in Islamic Countries and Specialized Exhibition of Best Technology for Investment. Tehran, Iran.	2015
12.	<b>Main Speaker</b>	Seminar entitled "Innovation Toward Commercialization". Izmir Katip Celebi University, Izmir, Turkey	2015
13.	<b>Main Speaker</b>	Seminar entitled "New Generation of Earthquake Energy Dissipation Device". Iran Seismic Retrofitting Centre. Tehran, Iran	2015

14.	<b>Main Speaker</b>	Iranian Elite Talk, Universiti Putra Malaysia	2015
	<b>Reviewer for Journal Paper</b>	1- Journal of Engineering Structures 2- Journal of Earthquake Engineering and Engineering Vibration 3- Journal of Structural Engineering and Mechanics, An International Journal 4- Journal of The Structural Design of Tall and Special Buildings 5- Journal of The Arabian Journal for Science and Engineering (AJSE). 6- Journal of Advances in Civil Engineering.	2015
15.	<b>Panel of Expert in IIC University of Technology</b>	Graduate School of IIC University of Technology	2016
16.	<b>Co-Supervisor for Post Graduate Students</b>	M. Auezov South Kazakhstan State University	2016
17.	<b>Co-Supervisor for Post Graduate Students</b>	IAU University, Iran	2016
18.	<b>Liaison officer in Malaysia</b>	Secretary of Science & Technology Development in Islamic Countries	2016
19.	<b>Liaison officer of UPM (TNCPI)</b>	For technology, experts and service transferring from UPM to middle east countries	2016
20.	<b>Judge for Open Idea Competition</b>	Malaysian Structural Steel Association, Kuala Lumpur, Malaysia	2016
21.	<b>Editorial Board of Journal</b>	Journal of Computations and Materials in Civil Engineering	2016
22.	<b>Reviewer for Journal Paper</b>	1- Engineering Structures 2- Journal of Earthquake Engineering and Engineering Vibration 3- Journal of Structural Engineering and Mechanics, An International Journal 4- Advances in Mechanical Engineering 5- The Arabian Journal for Science and Engineering (AJSE). 6-Journal of Intelligent Material Systems and Structures 7- Journal of Engineering (UKM).	2016
23.	<b>Reviewer on the technical program committee</b>	The 3rd International Conference on Civil, Off shore & Environmental Engineering 2016 (ICCOEE2016).	2016
24.	<b>The Eternal Assessor for Promotion to Associate Professor</b>	Dr. Mohammed Abdulla Ismail Al-Gorafi from Sana'a University, Yemen	
25.	<b>The External Assessor for Master of Science Program</b>	External Assessor for Master of Structural Engineering for Nizwa University, Oman	

## Intellectual property/ Research Products

No	Intellectual property/ Research Products	Year
1.	<b>Patent Filing (USA and JAPAN PATENT):</b> Wall Panel Damping Device	2017
2.	<b>Copyright:</b> Analysis Procedure For Earthquake Resistant Structures	2017
3.	<b>Patent Filing:</b> Fluid Wall Damper (PI2016700148)	2016
4.	<b>Patent Filing:</b> A Nonlinear Spring Bracing Device (PI2015703892)	2015
5.	<b>Patent Filing (PCT):</b> Wall Panel Damping Device (PCT/MY2015/050153)	15 December 2015
6.	<b>Patent Filing:</b> A VARIABLE STIFFNESS BRACING DEVICE (PI 2014701608)	2014
7.	<b>Patent Filing:</b> A PRECAST WALL CONNECTOR (PI2014701723)	2014
8.	<b>Patent Filing:</b> Damper Connector (PI2014702476)	2014
9.	<b>Patent Filing:</b> Panel Damper (PI2014703806)	2014
10.	<b>Patent Filing:</b> AN IMPROVED VISCOUS DAMPER SYSTEM FOR REINFORCED CONCRETE FRAMED BUILDINGS (PI2010001771)	2010
11.	<b>Copyright:</b> NARCBEEEDS Software: The program for Nonlinear Analysis of Reinforced Concrete Buildings Equipped with Earthquake Energy Dissipation System (UPM/TNCPI/100-45/C)	2012
12.	<b>Copyright:</b> ARCS3D Application: The web base application for Analysis of Reinforced Concrete Structure in three dimensions.	2015
13.	<b>Copyright:</b> Handbook for Steel Structures Design Based on Eurocode 3 (UPM/100-45/2 (c))	2015

## Publications

### Journals (30 recent journals)

**Number of CIJ Paper: 40 Papers**

**Number of ISI Journal Paper: 25 Papers ==> Total Impact Factor: 36.518**

**Number of Scopus Indexed Journal paper: 39**

**Number of Non Indexed Journal paper: 12**

### ISI Papers

1. Hanoon, A. N., Jaafar, M. S., Hejazi, F., & Aziz, F. N. A. (2017). Strut-and-tie model for externally bonded CFRP-strengthened reinforced concrete deep beams based on particle swarm optimization algorithm: CFRP debonding and rupture. *Construction and Building Materials*, 147, 428-447. (ISI-Wiley, Impact Factor = 3.169)
2. Vaghei, R., Hejazi, F., Taheri, H., Jaafar, M. S., & Aziz, F. N. A. A. (2017). Development of a new connection for precast concrete walls subjected to cyclic loading. *Earthquake Engineering and Engineering Vibration*, 16(1), 97-117. (ISI, Impact Factor=0.706)

3. Hanoon, A. N., Jaafar, M. S., Al Zaidee, S. R., Hejazi, F., & Aziz, F. A. (2017). Effectiveness factor of the strut-and-tie model for reinforced concrete deep beams strengthened with CFRP sheet. *Journal of Building Engineering*, 12, 8-16.
4. Hafezolghorani, M., Hejazi, F., Vaghei, R., Jaafar, M. S. B., & Karimzade, K. (2017). Simplified Damage Plasticity Model for Concrete. *Structural Engineering International*, 27(1), 68-78. (ISI-Wiley, Impact Factor = 0.383)
5. Amran, Y. M., Rashid, R. S., Hejazi, F., Ali, A. A., Safiee, N. A., & Bida, S. M. (2017). Structural performance of Precast Foamed Concrete Sandwich Panel subjected to axial load. *KSCCE Journal of Civil Engineering*, 1-14. (ISI, Impact Factor: 0.812)
6. **Hejazi, F.**, Shoaiei, M. D., Tousi, A., & Jaafar, M. S. (2016). Analytical model for viscous wall dampers. *Computer-Aided Civil and Infrastructure Engineering*. 31 (5) 381–399 (ISI-Wiley, Impact Factor = 5.288)
7. Fateh, A., **Hejazi, F.**, Jaafar, M. S., Karim, I. A., Adnan, B., A. (2016), “Design of a variable stiffness bracing system: Mathematical modeling, fabrication and dynamic analysis”. *Journal of Soil Dynamics and Earthquake Engineering*. 80,87-101 (ISI-Elsevier, Impact Factor = 1.481)
8. Fateh, A., **Hejazi, F.**, Jaafar, M. S., Karim, I., A., (2016), “Numerical and experimental evaluation of a developed nonlinear curved spring element under compression force”. *Journal of Constructional Steel Research*. 117, 115-125. (ISI-Elsevier, Impact Factor = 1.702)
9. JABBAR, S., **HEJAZI, F.**, & MAHMUD, H. M. (2016). EFFECT OF OPENING IN REINFORCED CONCRETE HOLLOW BEAM WEB UNDER TORSIONAL, FLEXURAL, AND CYCLIC LOADINGS. *Latin American Journal of Solids and Structures, an ABCM Journal*, 13(8), 1576-1595. (ISI, Impact Factor= 0.830)
10. Rahimipour, A., Hejazi, F., Vaghei, R., & Jaafar, M. S. (2016). Finite element development of a Beam-column connection with CFRP sheets subjected to monotonic and cyclic loading. *Computers and Concrete*, 18(6), 1083-1096. (ISI, Impact Factor= 0.849)
11. Amran, Y. M., Ali, A. A., Rashid, R. S., **Hejazi, F.**, & Safiee, N. A. (2016). Structural behavior of axially loaded precast foamed concrete sandwich panels. *Construction and Building Materials*, 107, 307-320. (ISI, Impact Factor=2.421)
12. Vaghei, R., **Hejazi, F.**, Taheri, H., Jaafar, M. S., & Ali, A. A. A. (2016). A new precast wall connection subjected to monotonic loading. *Computers and Concrete*, 17(1), 1-27. (ISI, Impact Factor = 0.849)
13. Abdi, H., **Hejazi, F.**, Jaafar, M. S., & Karim, I. A. (2016). Evaluation of response modification factor for steel structures with soft story retrofitted by viscous damper device. *Advances in Structural Engineering*. 1369433216642036. (ISI, Impact Factor= 0.577)
14. Fateh, A., **Hejazi, F.**, Jaafar, M. S., & Karim, I. A. (2016). Development of a nonlinear conical spring bracing system for framed structures subjected to dynamic load. *International Journal of Steel Structures*, 16(1), 197-215. (ISI, Impact Factor = 0.533)
15. Taheri, H., **Hejazi, F.**, Vaghei, R., Jaafar, M. S. and Abang Ali, A. A. (2016). “A New Precast Wall Connection Subjected to Rotational Loading”. *Journal of Periodica Polytechnica-Civil Engineering*. (Accepted, In Press), (ISI, Impact Factor = 0.271)
16. Hanoon, A. N., Jaafar, M. S., **Hejazi, F.**, & Aziz, F. A. (2016). Strut effectiveness factor for reinforced concrete deep beams under dynamic loading conditions. *Case Studies in Structural Engineering*, 6, 84-102.
17. Amran, Y. M., Rashid, R. S., **Hejazi, F.**, Safiee, N. A., & Ali, A. A. (2016). Response of precast

foamed concrete sandwich panels to flexural loading. *Journal of Building Engineering*.

18. **Hejazi, F.**, Dalili M. S., Jaafar, M. S. and Raizal Saiful M. R. (2015). Effect of viscous dampers on yielding mechanisms of RC structures during earthquake. *Journal of Earthquakes and Structures*. 8 (6), 1499-1528 (ISI, Impact Factor = 0.693)
19. Nikbakht, E., Rashid, K., **Hejazi, F.**, & Osman, S. A. (2015). Application of shape memory alloy bars in self-centring precast segmental columns as seismic resistance. *Structure and Infrastructure Engineering*, 11(3), 297-309. (ISI, Impact Factor = 2.805)
20. Nikbakht, E., Rashid, K., Mohseni, I., & **Hejazi, F.** (2015). Evaluating seismic demands for segmental columns with low energy dissipation capacity. *EARTHQUAKES AND STRUCTURES*, 8(6), 1277-1297. (ISI, Impact Factor= 0.693)
21. Abdi, H., **Hejazi, F.**, Jaafar, M. S., Abd Karim, I. B., Muhammad Rashid, R. S. (2015). Response modification factor for steel structure equipped with viscous damper device. *International Journal of Steel Structures*. 15 (3), 605-622 (ISI, Springer, Impact Factor = 0.505)
22. Fateh, A., **Hejazi, F.**, Ming, Y. P., & Jafaar, M. S. (2015). Structural behavior in top-down excavation method. *Arabian Journal of Geosciences*, 8(9), 7399-7408.(ISI, Impact Factor =1.152)
23. **Hejazi, F.**, Zabihi, A. & Jaafar, M. S. (2014). Development of a viscous damper finite element model for reinforced concrete frames. *Journal of Soil Dynamics and Earthquake Engineering*. 65, 284–293 (ISI-Elsevier, Impact Factor = 1.302)
24. Ehsan Nikbakht, Khalim Rashid, **Farzad Hejazi**, Siti A. Osman. (2014). A numerical study on seismic response of self-centring precast segmental columns at different post-tensioning forces. *Latin American Journal of Solids and Structures*, 11 (5), 864-883. (ISI, Impact Factor = 1.254)
25. **Hejazi, F.**, Toloue, I., Jaafar, M. S., & Noorzaei, J. (2013). Optimization of earthquake energy dissipation system by genetic algorithm. *Computer-Aided Civil and Infrastructure Engineering*, 28(10), 796-810. (ISI-Wiley, Impact Factor = 5.625)

### Scopus

26. Fateh, A., **Hejazi, F.**, Ramanathan, R. A., Jaafar, M. S. (2016), "Seismic Response of a Light Rail Transit Station Equipped with Braced Viscous Damper". *Journal of Pertanika*. (In-press, Scopus)
27. Hafezolghorani Esfahani, M., **Hejazi, F.**, Vaghei, R., Nikbakht, E., & Tze, D. C. J. (2016). Development of Constitutive Model for Precast Prestressed Concrete Segmental Columns. *Modelling and Simulation in Engineering*, 2016. (Accepted- In press-Scopus)
28. Amran, Y. M., Rashid, R. S., Hejazi, F., Safiee, N. A., & Ali, A. A. (2016). Response of precast foamed concrete sandwich panels to flexural loading. *Journal of Building Engineering*. (In press)
29. Delfani, M., Ibrahim, R., Raschid, M. Y. M., **Hejazi, F.**, & Haron, N. A. (2016). TOWARDS DESIGNING MODULAR OF INDUSTRIALIZED BUILDING SYSTEMS. *Jurnal Teknologi*, 78(5).
30. Fateh, A., **Hejazi, F.**, Jaafar, M. S., & bin Adnan, A. (2015, February). Dynamic Analysis of Variable Stiffness Bracing System in Structure. *Applied Mechanics and Materials*, Vol. 704, pp. 442-446. (Scopus)
31. **Hejazi, F.**, Shahpasand, M., Mirnezhad, M., Jaafar, M., and Abang Ali, A. (2014) A Web-Based Architecture for Interactive Finite Element Program. *Computing in Civil and Building Engineering*, ASCE. pp. 1393-1400. (Scopus)
32. Fateh, A., **Hejazi, F.**, and Khojasteh, M. (2014). Seismic Performance Evaluation of Steel Shear Wall by Equivalent Truss Approach Modeling. *Computing in Civil and Building Engineering*,

ASCE. pp. 1401-1408. (Scopus)

33. Vaghei, R., **Hejazi**, F., Taheri, H., Jaafar, M. S. and Abang Ali, A. A. (2014). "Evaluate Performance of Precast Concrete wall to wall Connection". APCBEE Procedia, Volume 9, 2014, Pages 285–290
34. **Hejazi**, F., Kojouri, S. J., Noorzaei, J., Jaafar, M. S., Thanoon, W. A., & Abdullah, A. (2011). Inelastic seismic response of RC building with control system. Key Engineering Materials, Vol. 462, pp. 241-246. (Scopus)
35. **Hejazi**, F., Dalili, M. S., Noorzaei, J., Jaafar, M. S., Abdullah, A., & Thanoon, W. A. (2011). Seismic response evaluation of RC tower connected to short rigid buildings. Key Engineering Materials, Vol. 462, pp. 569-575. (Scopus)
36. **Hejazi**, F., Jilani, S., Noorzaei, J., Chieng, C. Y., Jaafar, M. S., & Ali, A. A. (2011). Effect of soft story on structural response of high rise buildings. In *IOP Conference Series: Materials Science and Engineering* (Vol. 17, No. 1, p. 012034). IOP Publishing. (Scopus)
37. **Hejazi**, F., Noorzaei, J., Jaafar, M. S., Thanoon, W., & Ali, A. A. A. (2009). Optimization of active variable stiffness system for controlling structural response of a building under earthquake excitation. *Journal of Structural Engineering*, 36(4), 235-244. (Scopus)
38. **Hejazi**, F., Noorzaei, J., Jaafar, M. S., & Abdullah, A. A. (2009). Earthquake analysis of reinforce concrete framed structures with added viscous dampers. *International Journal of Applied Science, Engineering and Technology*, 5(4). (Scopus)
39. **Hejazi**, F., Noorzaei, J., Jaafar, M. S., Ali, A. A., & Seifi, M. (2009). 3 Dimensional Damper Element for Reinforced Concrete Frames. In *TCLEE 2009@ sLifeline Earthquake Engineering in a Multihazard Environment* (pp. 1-12). ASCE. (Scopus)
40. Seifi, M., Noorzaei, J., Jaafar, M. S., & **Hejazi**, F. (2009). Comparative Study among Conventional and Adaptive Pushover Methods. In *TCLEE 2009@ sLifeline Earthquake Engineering in a Multihazard Environment* (pp. 1-12). ASCE. (Scopus)

#### Non Index Paper

41. Amran, Y. M., Rashid, R. S., **Hejazi**, F., Safiee, N. A., & Ali, A. A. (2016). Structural Behavior of Precast Foamed Concrete Sandwich Panel Subjected to Vertical In-Plane Shear Loading. *World Academy of Science, Engineering and Technology, International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering*, 10(6), 639-648.
42. Amran, Y. M., Rashid, R. S., **Hejazi**, F., Safiee, N. A., & Ali, A. A. (2016). Structural behavior of laterally loaded precast foamed concrete sandwich panel. *International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering*, 10(3).
43. **Hejazi**, F., Noorzaei, J., Ali, A. A. A., & Jaafar, M. S. (2015). Seismic analysis of interlocking mortarless hollow block. *Challenge Journal of Structural Mechanics*, 1(1), 22-26.
44. Amir Fateh, **Farzad Hejazi**, Tan Boon Cheong, Seyed Mohammad Reza Ghadiri, (2014). Dynamic Response of Slender and Light Balcony Deck under Wind Loading. *International Journal of Engineering & Technology Sciences*. 2 (3): 211-222
45. Fateh, A., **Hejazi**, F., Tarmizi, M. A., Dalili, M. S., Ghadiri, S. M. (2014). Performance of reinforced concrete and timber structure at kualaMuda Kedah during the tsunami. *International Journal of Civil and Environmental Research (IJCER)* 1 (3): 122-132
46. Ghayeb Al Qaic, H. H., Marsono, A. K., **Hejazi**, F., (2014). Reinforced Concrete Ring Beams

[Non-Linear Finite Element Analysis (NLFEA)]. Journal of Basic and Applied Scientific Research. 4(6)77-91

47. Fateh, A., **Hejazi, F.**, Zabihi, A., Behnia, A. (2013) "Behavior of external column- wide beam joint with different bar arrangement and existence of joint shear link under gravity". Caspian Journal of Applied Sciences Research, Vol. 2 (2). pp. 120-130
48. Ehsan Nikbakht, Khalim Rashid, **Farzad Hejazi**, Siti Aminah Osman, Iman Mohseni. "Seismic performance of self-centring precast posttensioned bridge columns with SMA bars". International Journal of Advancements Civil Structural and Environmental Engineering, Vol. 1 (1), 2013. pp. 24 -27
49. Ehsan Nikbakht, Khalim Rashid, **Farzad Hejazi**, Siti Aminah Osman, Iman Mohseni. "Nonlinear finite element analysis of PC segmental bridge columns subjected to quasi-static loading". International Journal of Advancements Civil Structural and Environmental Engineering, Vol. 1 (1), 2013. pp. 28 -31
50. Iraj Toloue, **Farzad Hejazi**, Chin Chee Huan, Mohd Saleh Jaafar. "Evaluation of the effect of shear wall distribution in seismic response of precast framed structure". International Journal of Advancements Civil Structural and Environmental Engineering, Vol. 1 (1), 2013. pp. 62 -65
51. Amir Fateh, **Farzad Hejazi**, Abdilahi Bashir Omer, Mohd Saleh Jaafar. "Seismic Response Evaluation of Reinforced Structure with Embedded Viscous Damper in Shear Wall". International Journal of Advancements Civil Structural and Environmental Engineering, Vol. 1 (1), 2013. pp. 109 -112
52. Samira Jilani, Jamaloddin Noorzaei, Abang Ali Abang Abdullah, Mohd Saleh Jaafar and **Farzad Hejazi**. "Preliminary Seismic Assessment of Existing Reinforced Concrete Framed Buildings". Journal of Disaster Advances, Vol. 2(4), October 2009.

#### Conference Proceedings (30 recent Conference Proceedings)

1. **Hejazi, F.**, Rasid, F. M., Mohd Zain, M. A., Jaafar M. S., and Muhammad Rashid, R. S.,(2016). "EVALUATE EFFECT OF RUBBER WALL DAMPER IN SEISMIC RESPONSE OF REINFORCED CONCRETE STRUCTURE". 8th World Congress on Joints, Bearings and Seismic Systems for Concrete Structures (ACI). Atlanta, Georgia, USA, September 25-29, 2016
2. Esfahani, M. H., **Hejazi, F.**, Karimzadeh, K., & Siang, T. K. (2016). Seismic Behavior of Partially Prestressed Concrete Structures. In Dynamics of Civil Structures, Volume 2 (pp. 255-264). Springer International Publishing.
3. A. Fateh, **F. Hejazi**, M. S. Jaafar, A. Adnan. "Vibration analysis of variable stiffness bracing system subjected to Harmonic load". AUN/SEED-Net Regional Conference on Mechanical and Manufacturing Engineering (RCMME). Vietnam, 9-10 October 2014
4. A. Fateh, **F. Hejazi**, A. B. Omer , M. S. Jaafar. "Seismic Performance of Reinforced Concrete Shear wall with Embedded Viscous Damper". First AUN/SEED-Net Regional Conference on Natural Disaster (RCND). Indoensia, 22-23 January 2014
5. R.Vaghei, **F. Hejazi**, P. Khanzaei, H. Taheri, M. S. Jaafar, A.A. Abang Ali. "Seismic Retrofitting of IBS Wall Connections with FRP Composites". Fourth Asia-Pacific Conference on FRP in Structures (APFIS). Swinburne University, Melbourne, Australia, 11-13 December 2013,
6. Parvin Khanzaei, **Farzad Hejazi**, A.A.Abdulrazeg, Mohd Saleh Jaafar, Thamer Ahmed Mohammed. "Thermal Response Of RCC Dams Considering The Effect Of Reservoir Filling Schedule". 6TH INTERNATIONAL SYMPOSIUM ON ROLLER COMPACTED CONCRETE (RCC) DAMS, Spain, 23 – 25 October 2012



7. **Farzad Hejazi**, A.A.Abdulrazeg, Mohd Saleh Jaafar, Waleed Abdulmalik Thanon , Jamaloddin Noorzaei. "Earthquake Energy Dissipation System In Reinforced Concrete Framed Buildings". 14th Symposium on Earthquake Engineering, Indian Institute of Technology, Roorkee, India, December 17-19, 2010
8. **Farzad Hejazi**, M. Dalili, Jamaloddin Noorzaei, Mohd Saleh Jaafar, Waleed Abdulmalik Thanon and Abang Abdullah Abang Ali Ali. "Coupling Parallel Buildings By Using Supplemental Viscous Damper Device". The International Conference on Computing in Civil and Building Engineering, University of Nottingham, UK. 2010
9. S. Jilani, Jamaloddin Noorzaei, Abang Abdullah Abang Ali Abdullah, **Farzad Hejazi**, Mohd Saleh Jaafar. "Assessment of Residential RC Framed Buildings Against Earthquake ". International Advanced of Technology Congress (ATCi), PWTC, Malaysia. November 3-5, 2009
10. **Farzad Hejazi**, Jamaloddin Noorzaei, Mohd Saleh Jaafar and Abang Abdullah Abang Ali. "Application of Nonlinear damper In Reinforced Concrete Structure Control". The Fifth International Structural Engineering and Construction Conference (ISEC-5), Las Vegas, NV, USA. September 21-27, 2009
11. Mohd Saleh Jaafar, **Farzad Hejazi**, Abang Abdullah Abang Ali and Jamaloddin Noorzaei. "Seismic Analysis of Interlocking Mortarless Hollow Block in Wall – Foundation – Soil System". The Fifth International Structural Engineering and Construction Conference (ISEC-5), Las Vegas, NV, USA. September 21-27, 2009
12. **Farzad Hejazi**, Jamaloddin Noorzaei, Mohd Saleh Jaafar and Abang Abdullah Abang Ali. "Seismic Analysis of Interlocking Mortarless Hollow Block". 8th international congress on advances in civil engineering, Eastern Mediterranean University, Famagusta, North Cyprus. September 15-17, 2008
13. **Farzad Hejazi**, Jamaloddin Noorzaei , Mehrdad Seifi, Waleed Abdulmalik Thanon, Abang Abdullah Abang Ali Ali, Mohd Saleh Jaafar. "Seismic Resistance of Frame Buildings Using Effective Control System". World Housing Congress, Terengganu, Malaysia. 1-5July 2007
14. Mehrdad Seifi, Jamaloddin Noorzaei, **Farzad Hejazi**, Mohd Saleh Jaafar, Waleed Abdulmalik Thanon. "Evaluation of Capacity Curve of Building Structures With The Proposed Optimized Bilinear One". World Housing Congress, Terengganu, Malaysia. 1-5July 2007
15. **Farzad Hejazi**, Jamaloddin Noorzaei, Mehrdad Seifi, Mohd Saleh Jaafar, Abang Abdullah Abang Ali and Waleed Abdulmalik Thanon. "Protection of Buildings In Vibration Excitation". World Engineering Congress 2007, Penang, Malaysia. 5 – 9 August 2007
16. Mehrdad Seifi, Jamaloddin Noorzaei, **Farzad Hejazi**, Mohd Saleh Jaafar, Waleed Abdulmalik Thanon. "Development of Mathematical Model to Represent The Precise Idealized Capacity Curve". World Engineering Congress 2007, Penang, Malaysia. 5 – 9 August 2007
17. **Farzad Hejazi**, Jamaloddin Noorzaei, Abang Abdullah Abang Ali, Mohd Saleh Jaafar. "Development of a Computational Algorithm to Restrain Lateral Movement of Buildings Subjected To Strong Earthquake". Conference on Engineering & Disaster Management, Lahore, Pakistan. 2007
18. **Farzad Hejazi**. "Fast Assessment of Structure Damage Against Earthquake". 1st INTERNATIONAL CONGRESS ON SEISMIC RETROFITTING, Tehran, Iran. 25 – 27 April 2006
19. Farzad Hejazi, Siamak Panahi. "Architectural Embellishment in Retrofitting and Rehabilitation of Structures". 1st INTERNATIONAL CONGRESS ON SEISMIC RETROFITTING, Tehran, Iran. 25 – 27 April 2006
20. **Farzad Hejazi**, Farhad Motahar. "Application of Artificial Neural Network in Modeling of Insurance Technical Calculations ". Conference of application new electronic methods in modeling of

technical actuary calculations, Tehran, Iran. Jun 2006

21. **Farzad Hejazi**, Eysa Salajeghe. "Using Artificial Neural Networks For Fast Analyzing of Structures". Second International Congress of Civil Engineering, Science and industry University, Tehran, Iran. May 2005
22. **Farzad Hejazi**, Ali Sinaei. "Reducing The Earthquake Effects By Means Of Active Structural Control With Neural Network ". 4th International Conference on Seismology and Earthquake Engineering (IIEES), Tehran. Iran. 12-14 May 2003
23. **Farzad Hejazi**, Ali Sinaei. "The Optimization of The Active Structural Control System By Using the Neural Network". 6th International Conference on Civil Engineering, Isfahan University of Technology, Isfahan, Iran. 5-7 May 2003
24. **Farzad Hejazi**, Ali Sinaei. "Active Variable Stiffness Based Structural Control". 6th International Conference on Civil Engineering (ICCE), Isfahan University of Technology, Isfahan, Iran. 5-7 May 2003
25. **Farzad Hejazi**, Ali Sinaei. "Application Of Artificial Neural Networks in Multi Adaptive Control of Structures". 2th Conference on fuzzy logic systems, zahedan university, zahedan Iran. 19-20 jun 2002
26. **Farzad Hejazi**, Ali Sinaei. "Correction Of The Defective SensorS In The Structural Control By Means Of The Neural Network". 4th Conference on Intelligent System, K.N.Toosi Uni.of Tech.,Tehran, Iran. March 5-7, 2002

## Books

1. Farzad Hejazi, Tan Kar Chun. " MANUAL FOR STEEL DESIGN BASED ON EUROCODE 3". Under Review in UPM Press
2. **Farzad Hejazi**. "Seismic Retrofitting of Structure Using Intelligent System". Published by Jahad publisher of Polytechnic University of IRAN. April of 2005
3. **Farzad Hejazi**. "Main cases of damage in structures subjected earthquake excitation and retrofitting and rehabilitation of existing buildings". Published by Civil House R & D Institute of IRAN. February of 2004

## Chapter of Books

1. Esfahani, M. H., **Hejazi, F.**, Karimzadeh, K., & Siang, T. K. (2016). Seismic Behavior of Partially Prestressed Concrete Structures. In Dynamics of Civil Structures, Volume 2 (pp. 255-264). Springer International Publishing.
2. Mohd Saleh Jaafar, Bujang B. K. Huat, Jamaloddin Noorzari, **Farzad Hejazi**, Kok Sien Ti & Dahila Zawawi. Book: "CASE STUDY, A New Teaching Learning Method in Civil Engineering". Department of Higher Education, Ministry of Higher Education Malaysia. July, 2011. pp 27-61
3. Mohd Saleh Jaafar, Bujang B. K. Huat, Jamaloddin Noorzari, **Farzad Hejazi**, Kok Sien Ti & DahilaZawawi. Book: "Instruction Guide, CASE STUDY, A New Teaching Learning Method in Civil Engineering". Department of Higher Education, Ministry of Higher Education Malaysia. July, 2011. pp 49-106
4. **Farzad Hejazi**, Jamaloddin Noorzaei, Mohd Saleh Jaafar and Abang Abdullah Abang Ali. "Application of Nonlinear Damper in Reinforced Concrete Structure Control". Book: Challenges, Opportunities and Solutions in Structural Engineering and Construction. CRC Press, Taylor and Francis Group (ISEC-5, Las Vegas, NV, USA). September 21 – 27, 2009, pp 25-30

5. Mohd Saleh Jaafar, **Farzad Hejazi**, Abang Abdullah Abang Ali and Jamaluddin Noorzaei. "Seismic Analysis of Interlocking Mortarless Hollow Block In Wall – Foundation – Soil system". Book: Challenges, Opportunities and Solutions in Structural Engineering and Construction. CRC Press, Taylor and Francis Group (ISEC-5, Las Vegas, NV, USA). September 21 – 27, 2009. pp 351-356

### Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Rubber Wall Damper Device For Framed Structures Subjected To Dynamic Loads	420,800	2016-2018	Putra Grant Universiti Putra Malaysia
2.	Performance of The viscous Plane Damper As Dissipation Device Due to Cyclic Load	20,000	2016-2018	Putra Grant Universiti Putra Malaysia
3.	Formulation of Partially Prestressed Concrete Frame Elements Subjected to Dynamic Loads(Project Leader)	93,800	2015-2017	FRGS Grant- Ministry of High Education - Malaysia
4.	Vibration Dissipation System (Project Leader)	95,000	2015-2016	INNOHUB, UPM
5.	Development of Cylinder Rubber Bracing System for Structures Subjected to Dynamic Load (Project Leader)	20,000	2015-2017	Putra Grant
6.	Development and construction of the world first internet transmission tower using ultra high performance concrete (UHPC) (Project member)	1,370,320	2015-2017	Technofund Ministry of Science, Technology, Innovation - Malaysia
7.	Development of Analytical Model for Partially Prestressed Concrete Frame Elements (Project Leader)	13,000	2014-2016	Putra Grant Universiti Putra Malaysia
8.	Development of Wall Damper Device (Project Leader) Using Malaysian Rubber For Structures Subjected To Vibration (Project Leader)	86,000	2014-2016	Sciencefund Ministry of Science, Technology, Innovation - Malaysia
9.	Formulation and Validation of Effective Variable Stiffness Bracing System for Structures Under Dynamic Load. From Ministry of Higher Education (MOHE). (Project Leader)	74,000	2013-2015	FRGS Grant Ministry of High Education - Malaysia
10	Development of variable stiffness bracing system in steel structure. From UPM. (Project Leader)	26,000	2012-2014	RUGS Grant UPM
11	Pre-commercialization Grant, Title: "Developing Web Based Structural Analysis Software" (Project Leader)	31,700	2014	RMC UPM
12	INDUSTRIALISED BUILDING SYSTEM FOR HOUSING. From NAIM company to Housing Research Centre (UPM). (Project member)	1,000,000	2012-2017	Private Grant NAIM Company

13	Development of Optimal Damper Devices For Framed Structures Subjected to Dynamic Loads. From UPM. (Project member)	185,000	2013-2015	PUTRA Grant UPM
14	Formulation of Magneto-Rheological Dampers for Reinforced Concrete Structures Subjected to Dynamic Load. From Ministry of Higher Education (MOHE). (Project Member)	87,000	2013-2015	FRGS Grant Ministry of High Education - Malaysia
15	Constitutive and analytical Model for Precast Segmental Bridge Columns with Smart Materials Rebar. From Ministry of Higher Education (MOHE) under FRGS grant, UKM. (Project Member)	85,000	2013-2015	FRGS Grant Ministry of High Education - Malaysia
16	Independent Study on the conditions of buildings in Rumah Teres Berangkai Dua Tingkat di Atas Sebahagian Lot 6674, Mukim Klang, Daerah Klang, Klang Bandar Diraja, Selangor Darul Ehsan. (Consultant)	100,000	2010–2011	Malayapine Estate Sdn Bhd
17	Evaluate structure integrity Stadium Sultan Mizan Zainal Abidin, Kuala Trengganu, Malaysia due to roof failure. (Consultant)	113,150	2010-2012	Khairi Consult Sdn Bhd

### Awards/Recognition(Current)

No.	Name of awards	Title	Award Authority	Award Type	Year
1.	Special Award	The FEM program for Analysis of RC Structure with Prestress Elements	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2016
2.	Gold Medal	The FEM program for Analysis of RC Structure with Prestress Elements	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2016
3	Gold Medal	Nonlinear Conical spring Bracing System for Structures under Dynamic Load.	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2016
4.	Gold Medal	Divergent Viscous Wall Damper	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2016
5.	Gold Medal	Rubber Damper Connector	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2016
6.	Special Award	Special Connection For Precast Walls	Malaysia Technology Expo	International	2015
7.	Gold Medal	Special Connection For Precast Walls	Malaysia Technology Expo	International	2015
8.	Gold Medal	Adaptive Stiffness Bracing system	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2015



9.	Gold Medal	Three Dimensions Web Based Structural Analysis Software	International Engineering Invention & Innovation Exhibition, Perlis, Malaysia	International	2015
10.	Silver Medal	Rubber Wall Damper	The International Conference And Exposition On Inventions By Institutions Of Higher Learning. PECIPTA	International	2015
11.	Gold Medal	Special Connection For Precast Walls	PRPI, University Putra Malaysia, Malaysia.	National	2014
12.	Silver Medal	Variable Stiffness Bracing System	PRPI, University Putra Malaysia, Malaysia.	National	2014
13.	Very Best Award	Rubber Wall Damper For Framed Structures	Malaysian Technology Expo, PWTC, Kuala Lumpur, Malaysia	International	2014
14.	Gold Medal	Rubber Wall Damper For Framed Structures	Malaysian Technology Expo, PWTC, Kuala Lumpur, Malaysia.	International	2014
15.	Silver Medal	Three Dimensions Web Based Structural Analysis Software	Malaysian Technology Expo, PWTC, Kuala Lumpur, Malaysia	International	2014
16.	Gold Medal	Nonlinear Adaptive Stiffness System Subjected to Vibration Load	International Innovation, Invention and Design Competition and Conference (ICON), Terengganu, Malaysia	International	2014
17.	Silver Medal	Magnetorheological Damper	Malaysian Road Conference-Invention & Innovation Exhibition (MRC-IIE), Kuala Lumpur, Malaysia	International	2014
18.	Gold Medal	Three Dimensions Web Based Structural Analysis Software	MIEXPO2013, UPM	National	2013
19.	Gold Medal	Rubber Wall Damper For Framed Structures	MIEXPO2013, UPM	National	2013
20.	Best of Best Award	Variable Stiffness Bracing system	Malaysian invention and design society (MINDS)	International	2013
21.	Gold Medal	Variable Stiffness Bracing system	University Malaya Perlis (Uni MaP)	International	2013
22.	Gold Medal	Development of 3-D Nonlinear Earthquake Resistance System for Framed Buildings	Invention & New Product Exposition (INPEX 2010-USA)	International	2010
23.	Silver Medal	Development of 3-D Nonlinear Earthquake Resistance System for Framed Buildings	Invention & New Product Exposition (INPEX 2010-USA)	International	2010
24.	Silver Medal	Intelligent Structural Control System For Buildings Against Tsunami	PRPI, University Putra Malaysia, Malaysia	National	2012
25.	Bronze Medal	Development of Nonlinear Earthquake Resistance System	PECIPTA, KLCC, Malaysia	International	2011

26.	Bronze Medal	Optimization of earthquake energy dissipation system by using genetic algorithm	Malaysia Technology Expo	International	2011
24.	Silver Medal	Earthquake energy dissipation system for reinforce concrete structure	International Invention, Innovation and Technology Exhibition	International	2010
25.	Silver Medal	Viscous Damper Device for Reinforced Concrete Buildings Subjected to Earthquake	Malaysia Technology Expo	International	2010
26.	Silver Medal	Coupling parallel buildings by using viscous dampers under dynamic vibration	PRPI, University Putra Malaysia, Malaysia.	National	2010
27.	Silver Medal	Optimization of earthquake energy dissipation system by using genetic algorithm	PRPI, University Putra Malaysia, Malaysia.	National	2010
28.	Silver Medal	Development of Active Variable Stiffness Control System to restrain Lateral Movement of Buildings Subjected to Strong Earthquake	PRPI, University Putra Malaysia, Malaysia.	National	2009
29.	Bronze Medal	Development of Earthquake Energy Dissipation System for Reinforced Concrete Frames Buildings	PRPI, University Putra Malaysia, Malaysia.	National	2009

### Student Supervision

#### PhD (Main Supervisor)

No.	Name	Title	Status
1.	AMIR FATEH (GS31295)	Variable Stiffness Bracing System For Steel Structure Subjected To Earthquake Excitation	<b>Graduated</b> <b>May 2016</b>
2.	RAMIN VAGHEI (GS31050)	Development of New Connection for IBS Structures Subjected to Dynamic Load	<b>Graduated</b> <b>May 2016</b>
3.	MOHD AZMI BIN MOHD ZAIN (GS27060)	Finite Element Model of Rubber Wall Damper	<b>Graduated</b> <b>May 2017</b>
4.	MILAD HAFEZOLGHORANI (GS36678)	Development of analytical model for pre-stressed precast concretes sections	<b>Graduated</b> <b>May 2017</b>
5.	Mohd Ridzuan Bin Mohd Ali (GS41884)	Development of Fluid Damper	<b>Notice of Submission</b>
6.	Woon Kai Siong (GS42020)	Development of Special Connection for Beam Column Joints Subjected to Vibration	<b>Notice of Submission</b>
7.	Ebrahim Esmaeili (GS42555)	Development of Rubber Bracing System for Framed Buildings	<b>Notice of Submission</b>

## Student Supervision

### PhD (Main Supervisor)

No.	Name	Title	Status
8.	Doaa Talib Hashim (GS44858)	Evaluate Stability of Ultra High Performance Fiber Reinforced Concrete Tower Subjected to Dynamic Loads	Ongoing
9.	Balamurugan a/l A Gopal (GS45049)	Connection of Segmental Bridges	Ongoing
10.	Sarah Jabbar Gatea (GS46013)	Damage Detection in UHPFC Communication Towers Using Frequency Analysis	Ongoing
11.	MUSTAFA KAREEM HAMZAH (GS47860)	Development of Vibration Dissipation System for Bridge Unseating	Ongoing
12.	Keyhan Karimzadeh (GS46402)	Development of New Connection for IBS Wall to Foundation	Ongoing
13.	SHEIKH MOHD IQBAL BIN S. ZAINAL ABIDIN (GS47353)	Implementing the fiber concretes in knee joints	Ongoing

### MS with thesis (Main Supervisor)

No.	Name	Title	Status
1.	HESHMATOLLAH ABDI (GS35470)	Evaluation of Response Modification Factor For Structures Equipped with Viscous Damper	<b>Graduated AUG 2015</b>
2.	Soheil Nikpour (GS39228)	Optimize design of viscous wall damper for structure	<b>Graduated May 2016</b>
3.	Shahnaz Basim (GS42134)	Investigation on dynamic response of RC frames strengthened by CFRP rod in joints	<b>Waiting for Viva</b>

### MS without Thesis (Main Supervisor)

No.	Name	Title	Status
1.	Lim Kwei Seah	Island Method Design and Construction for High Rise Building Foundation and Basement Structure	Graduated (2012)
2.	Khoo Khaiyang	Butterfly Arch Bridge Design	Graduated (2012)
3.	Kiat Hong Khor	Design and analysis of a new steel column section by using excel programme to optimize the dimension according BS Code 5950	Graduated (2012)
4.	Yong Pei Ming	Analysis of Top Down Slab for Deep Excavation	Graduated (2012)
5.	Amin Arman	Effect of discontinuities on the response of gravity dams	Graduated (2012)
6.	Alireza Zabihi Shahri	Study on supplemental earthquake Energy Dissipation system	Graduated (2012)
7.	Megat Ahmad Tarmizi Bin Che Aini	Performance of Structure at Kuala Muda during the 2004 Tsunami	Graduated (2012)

No.	Name	Title	Status
8.	Iraj Toloue	Effect of tsunami force on reinforced structure	Graduated (2012)
9.	Mohammad Reza Khojasteh	Steel shear wall in reinforce concrete structures	Graduated (2012)
10.	Muhamad Fahmi bin Zaid	Seismic assessment of Bridges	Graduated (2012)
11.	abdilahi bashir omer	Study on seismic response of structures in Somalia region	Graduated (2012)
12.	Ramesh all Ramanathan	Seismic response spectrum performance of LRT station: A comparison between the EC8, IBC 2000, UBC 1997 and the stochastic model response.	Graduated (2012)
13.	Tan Boon Cheong	Dynamic Structural Response Analysis Due To Wind Load On Slender And Light Balcony Deck	Graduated (2012)
14.	Kabiru Salisu Kiru	Finite element simulation of stresses and deformation in buried pipeline.	Graduated (2012)
15.	DORIS CHIEW JING TZE	Study & Analysis of Prestressed Segmental Column in Bridges	Graduated (2013)
16.	Jehanzeb Khan Pathan	Development of Multi-Platform Pre-processor and Post-processor For Finite Element Program	Graduated (2013)
17.	Samer Abdulhussein Yasir	Investigate on Restrainers effects on Bridges Response	Graduated (2013)
18.	Mohamed Abdisalam Aden	Effect of base isolation and soil structure interaction in the system under the seismic loads.	Graduated (2013)
19.	Seyed Ali Toosi	Application Viscous Wall Dampers in Structures Under Earthquake Excitation	Graduated (2013)
20.	Abdullah Ali Ali Al-gaifi	Study on the effect of strength irregularity on seismic response of frame structure	Graduated (2013)
21.	Hamed Khatibi	Application of rigid plates in beam - columns connections	Graduated (2013)
22.	Khaled Ghaedi	Investigate On Dynamic Response of Dams	Graduated (2014)
23.	Hafez Taheri Heravi	Development of Special Connections for Precast Concrete Wall Panels Subjected to Dynamic Loads	Graduated (2014)
24.	Rhoderick Cimatú Camit	Study on Response of Structure Equipped With Base Isolators	Graduated (2014)
25.	Mohammed Deyazada	Modeling of Tsunami Wave Effect on Retaining Walls	Graduated (2014)
26.	Zaid Mohammed Ghazi	investigation on response of JACK-UP platform structure subjected to different loads	Graduated (2014)
27.	MOHANAD KADHEM ALI AL-JABRI	Development of Special Guideline For Seismic Vulnerability Assessment of Buildings In Malaysia	Graduated (2014)
28.	ALIREZA KASHANI	Modeling the Puzzle Building Structure	Graduated (2014)
29.	Alireza Bayat	Design and Analysis of Diagrid Frame Systems	Graduated (2014)
30.	Ng Wan Chi	Evaluate Effect of Opening in Shear Walls in Seismic Response of Structures	Graduated (2014)
31.	Arash Rahimpour	Beam Column Connection Behaviour	Graduated (2014)
32.	Mohammadhannan Azari	Evaluate Performance of Rubber Wall Damper in Structures	Graduated (2014)
33.	Soroosh Abbasi	Development of Software for Structure Analysis	Ongoing
34.	Esmail Ebrahimi	Study on Yielding Damper Effect in Seismic Response Of Structures	Graduated (2014)
35.	Masoud Fazel	Retrofit of Structures by Supplementary	Graduated



No.	Name	Title	Status
		Earthquake Resistance Frames	(2014)
36.	Saeid Khalifehei	Evaluate Fuse Member Effect on Response Of Eccentrically Braced Frames (EBF)	Graduated (2014)
37.	Amirhossein Shahbazian	Study on Different configuration of Cores in Tall Buildings	Graduated (2014)
38.	Sardasht Sardar Weli	Investigation on Effect of Damper Device on P-Delta, Overturning Moment and Whipping of Structure	Graduated (2014)
39.	Mohammed Hossein Mehrabi	Manufacturing of Magnetorheological Damper Device	Graduated (2014)
40.	Keyhan Karimzadeh	Design and Analysis of Foundation For IBS Structures	Graduated (2015)
41.	Seyed Saghar ghodsi	Application of Shape Memory Alloy Material in Structures	Graduated (2015)
42.	Arash Mehravan	Seismic Analysis of Structures Using Wavelet Transforms	Graduated (2015)
43.	Poorya Habib Elahian	Development of Optimal of Viscous Damper Device	Graduated (2015)
44.	ABDULRAHMAN ABDULWAHAB MURSHED NAHSHAL	Seismic Performance Of Precast Beam Column Joint In Reinforced Concrete Building Under Reversible Lateral Cyclic Load	Graduated (2015)
45.	Ameen Esam Mohammed Almutawakel	Behavior of Box Girder Segments Externally Prestressed with Shape Memory Alloys	Graduated (2015)
46.	Doaa Talib Hashim	Investigation of Infill Wall Effect On Inelastic Response Of Structures	Graduated (2015)
47.	Mehdi Mohammadi	Development of Bypass Viscous Damper	Graduated (2016)
48.	Maged Mohammed Ahmed Qasem	Seismic performance of tunnel form building system subjected to out-of-plane lateral cyclic loading	Graduated (2016)
49.	Sarah Jabbar Gatea	Evaluate Behaviuor of Hollow Beam with Opening	Graduated (2016)
50.	Mahmood Yahya Alkhateeb	Application of High Performance Computation Systems for analysis of Mega Structures	Graduated (2016)
51.	Iman Sadeq Hasan	Development Of Design Procedure For Industrialized Building System	Graduated (2016)