

# Curriculum Vitae

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**Date of Curriculum Vitae**

September 2015

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## Education

PhD	1992-1995	The University of New South Wales, Australia.
MEngSc	1990-1992	The University of New South Wales, Australia

## Employment History

2015-Present	Professor and Program Director, Institute for Infrastructure Engineering, Western Sydney University, Sydney, Australia
2004-2015	Senior Lecturer, School of Civil Eng., The University of Queensland
Previously	Lecturer, Dept. of Civil Engineering, The University of Queensland

## Teaching

Structural Analysis, Solid Mechanics, Dynamics of Structures, Finite Element Method, Advanced Structural Analysis, Advanced Structural Design, Earthquake Engineering

## Major Consulting Activity

- Analysis of Sydney's Olympic 2000 stadium cable-roof structure for the Connell-Wagner
- Technology transfer of Australian cold-formed steel framing to Iran
- Mass housing project in PNG involving 40000 houses valued at \$10 Billion ( Largest construction project in the southern hemisphere)

## Major Grants/Contracts

- ARC Discovery 2002-2005 \$799,000 (One of 3 CIs)
- CRC for Sustainable Tourism 2003-2005 \$299,000 (One of 2 CIs)
- CRC for Advanced Composites 2010-2013, \$87,000 (Principal CI)
- Quickframe Technologies, 2010-2013, \$34,500 (Principal CI)
- ARC Linkage 2014-2017, \$600,000 (One of 5 CIs)
- Knauf Plaster boards, 2015, \$96000, Construction of a testing rig (Principal CI)

## Research Thesis Supervision/Examination

Graduated 10 PhD students; Examined over 15 PhD theses; Currently supervising 4 PhD students at UQ and 2 overseas.

Titles of completed PhD theses supervised to completion

- 1) Aging of Concrete Carbonation Barriers
- 2) FRP Strengthening of Connections of Reinforced Concrete Structures
- 3) FRP Strengthening of Beams in Torsion
- 4) Analysis of Composite Beams with Partial Shear Interaction
- 5) Performance of Cold Formed Steel Structures subjected to Earthquake Loads
- 6) Investigating the earthquake performance of FRP strengthened reinforced concrete structures
- 7) Post Earthquake Fire, Analysis and Risk Mitigation
- 8) Earthquake Response of FRP strengthened RC structures
- 9) Seismic damage assessment and FRP retrofit of reinforced concrete structures
- 10) Repair of sub-sea pipelines using FRP composites

### Editorial positions

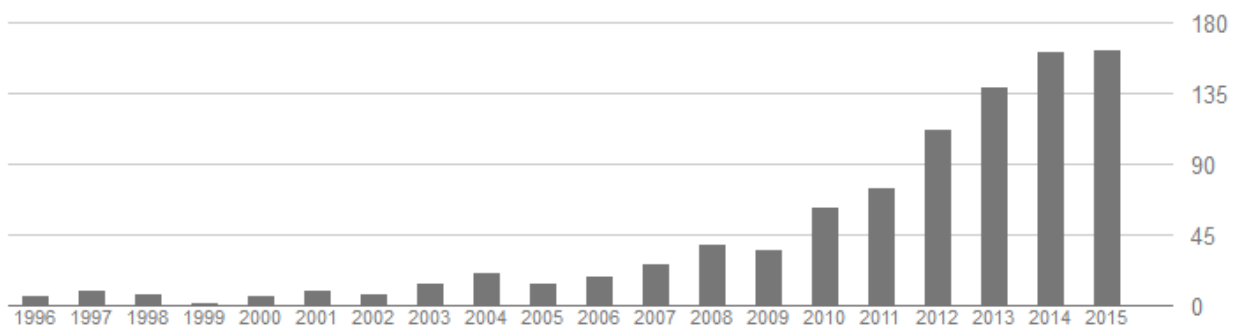
1. Journal of Advances in Civil Engineering;
2. Mathematical Problems in Engineering;

### Current Research Indicators

H-Index (Google Scholar, accessed 21/09/2015) (8 citations per paper in the last 5 years)

Citation indices	All	Since 2010
Citations	938	714
h-index	17	15
i10-index	31	23

Citations per year



### Publications (Total = 191 papers)

- 2 book chapters,
- 103 Journal papers,
- 79 Conference papers,
- 7 Non-refereed papers

### Publication list

#### *Book Chapters*

1. Saeed, N. and **Ronagh**, H. R. (2015), "Design of FRP Overwraps for Pipe Pressure". In: Karbhari, V. (ed.) Rehabilitation of Pipelines Using Fiber Reinforced Polymer (FRP) Composites. Woodhead Publishing.
2. Virk, A., **Ronagh**, H.R. and Saeed, N. (2015), "Effect of Live Pressure on Overwrap Design". In: Karbhari, V. (ed.) Rehabilitation of Pipelines Using Fiber Reinforced Polymer (FRP) Composites. Woodhead Publishing.

### *Papers in Refereed Journals*

#### 2015

3. Eslami, A., and Ronagh, H.R., (2015), "Numerical Investigation on the Seismic Retrofitting of RC Beam–Column Connections Using Flange-Bonded CFRP Composites." Journal of Composites for Construction, 10.1061/(ASCE)CC.1943-5614.0000590 , 04015032.
4. Baji, H., Eslami, A., Ronagh, H.R., (2015), "Development of a nonlinear FE modelling approach for FRP-strengthened RC beam-column connections", Structures, doi:10.1016/j.istruc.2015.06.003.
5. Naderian, H.R., Ronagh, H.R. (2015), "Buckling analysis of thin-walled cold-formed steel structural members using complex finite strip method", Thin-Walled Structures, Vol. 90, 74-83 (PDF)
6. Behnam, B. and Ronagh, H.R., (2015), "Firewalls and Post-Earthquake Fire Resistance of RC Frames", accepted for publication in the Journal of Structures and Buildings", April 2015 (PDF)
7. Behnam, B, Ronagh, H.R and Lim, P.J., (2015), "Numerical Evaluation of the Post-Earthquake Fire Resistance of CFRP-Strengthened Reinforced Concrete Joints based on Experimental Observations", European Journal of Civil and Environmental Engineering, 1(1):1-19. DOI: 10.1080/19648189.2015.1018448
8. Zeynalian, M. and Ronagh, H.R., (2015), "Seismic performance of cold formed steel walls sheathed by fibre-cement board panels", accepted for publication in Journal of Constructional Steel Research, January 2015.
9. Baji, H. and Ronagh, H.R., (2015), "Probabilistic models for curvature ductility and moment redistribution of RC beams", Accepted for publication in Computers and Concrete, July 2015.
10. Baji, H. an Ronagh, H.R., (2015), "Reliability-based study on ductility measures of RC beams in ACI318", Accepted for publication in ACI Structural Journal, August 2015.
11. Baji, H. and Ronagh, H.R., (2015), "A reliability-based investigation into the ductility measures of RC beams designed based on fib Model Code 2010, Accepted for publication in Structural Concrete Journal, June 2015.
12. Hashemi, F, Ronagh, H.R., (2015), " Structural response of a MRF exposed to travelling fire", Structures and Buildings, Published online, August 2015.
13. Hashemi, F. Yousefi, A. and Ronagh, H.R., (2015), "Effect of span length on progressive collapse behavior of steel moment resisting frames", Structures, 03/2015; 66. DOI: 10.1016/j.istruc.2015.03.004.

#### 2014

14. Saeed N., Baji H., **Ronagh**, H.R.,(2014), "Reliability of corroded thin walled pipes repaired with composite overwrap", Thin-Walled structures, Accepted August 2014.
15. **Ronagh**, H.R. and Baji, H., (2014), "On the finite element modeling of FRP retrofitted beam-column sub-assemblies", International Journal of Concrete Structures and Materials, 8(2), 141–155.

16. Behnam, B., and **Ronagh**, H.R., (2014), "An engineering solution to improve PEF resistance in important reinforced concrete structures", *Advances in Structural Engineering*, Accepted 21/03/2014.
17. Niroomandi, A, Najafgholipour, M.A. and **Ronagh**, H.R., "Numerical investigation of the parameters affecting the shear failure of non ductile RC exterior joints", *Engineering Failure Analysis*, <http://dx.doi.org/10.1016/j.engfailanal.2014.08.003>
18. Behnam, B., Skitmore, M. and **Ronagh**, H.R. (2014), "Risk mitigation of post earthquake fire in urban buildings, *Journal of Risk Research*, Accepted 28/03/2014.
19. Behnam, B., and **Ronagh**, H.R., (2014), " Performance-based vulnerability assessment of multi-story reinforced concrete structures exposed to pre- and post-earthquake fire", *Journal of Earthquake Engineering*, Accepted 02/04/2014.
20. Hatami S., Rahmani A., Parvaneh A. and **Ronagh**, H.R., (2014), "Racking performance and force reduction factor of cold-formed steel shear walls by finite element modeling", *International Journal of Advanced Steel Construction*, Vol. 10, No. 1, March 2014
21. Cao, V.V. and **Ronagh**, H.R., (2014), "Reducing the potential seismic damage of reinforced concrete frames using hinge relocation by FRP", *Composites Part B: Engineering*, 60, 688-696. doi: <http://dx.doi.org/10.1016/j.compositesb.2013.12.048>
22. Behnam, B., and **Ronagh**, H.R., (2014), "Post Earthquake Fire Performance Based Behaviour of Moment Resisting Steel Structures", Accepted, *KSCE Journal of Civil Engineering*.
23. Cao, V.V., **Ronagh**, H.R., Ashraf M., Baji, H., (2014), "A New damage index for reinforced concrete structures", *Earthquakes and Structures*, 6(6), 581-609. doi: <http://dx.doi.org/10.12989/eas.2014.6.6.581>
24. Naderian, H.R., Azhari, M. and **Ronagh**, H.R. (2014), "Elastic distortional buckling of doubly symmetric steel I-section beams with slender webs", *Journal of Thin-Walled Structures*, (84) 289-301.
25. Javaheri Tafti, M.R., **Ronagh**, H.R. Behnamfar, F., Memarzadeh, P. , "An experimental investigation on the seismic behaviour of cold-formed steel walls sheathed by thin steel plates", *Journal of Thin-walled Structures*, (80) 66-79.
26. Cao, V.V., **Ronagh**, H.R., (2014), "Correlation between seismic parameters of far-fault motions and damage indices of low-rise reinforced concrete frames", *Soil Dynamics and Earthquake Engineering*, (66) 102–112.
27. Cao, V.V. and **Ronagh**, H.R., (2014), "Correlation between parameters of pulse-type motions and damage of low-rise Rc frames", *Earthquakes and Structures*, 7(3), 365-384, doi:<http://dx.doi.org/10.12989/eas.2014.7.3.365>
28. Cao, V.V and **Ronagh**, H.R., (2014), "Reducing the seismic damage of reinforced concrete frames using FRP confinement", *Composite Structures*, 118, 403-415. doi:<http://dx.doi.org/10.1016/j.compstruct.2014.07.038>
29. Behnam, B. and **Ronagh**, H.R., "Effect of Firewalls on the Post Earthquake Fire Resistance of Reinforced Concrete Portal Frames", *Journal of Structures and Buildings*, Accepted December 2014.
30. Behnam, B., Lim, P.J., and **Ronagh**, H.R., "Hinge Relocation in Reinforced Concrete Frames as a Method of Improving Post-Earthquake Fire Resistance", *Structures* (Elsevier), accepted December 2014.

31. Eslami, A., and Ronagh, H.R. (2013), "Experimental investigation of an appropriate anchorage system for flange- bonded CFRP in retrofitted RC beam-column joints". *Composites for Constructions (ASCE)*. 0(0):04013056.
32. Eslami, A., and Ronagh, H.R. (2013), "Effect of FRP Wrapping in Seismic Performance of RC Building with and without special detailing – A case study"., *Composites Part B: Engineering*. 45(1): 1265-1274.
33. Ronagh, H.R. and Eslami, A., (2013), "Retrofitting of RC Buildings Using GFRP/CFRP – A Comparative Study"., *Composites Part B: Engineering*. 46(0): 188-196.
34. Behnam, B., Ronagh, H.R. and Baji, H. (2013), "Methodology of Investigating the Behavior of Reinforced Concrete Structures Subjected to Post Earthquake Fire", Accepted - *Advances in Concrete Construction*.
35. Behnam, B., and Ronagh, H.R. (2013), "A Post-Earthquake Fire Factor to Improve the Fire Resistance of Damaged Ordinary Reinforced Concrete Structures", Accepted - *Journal of Structural Fire Engineering*.
36. Dalalbashi, A., Eslami, A., and Ronagh, H.R. (2013), "A numerical investigation on hysteretic behaviour of RC joints retrofitted with different CFRP configurations", Accepted - *Journal of Composite for Construction (ASCE)*.
37. Behnam, B., and Ronagh, H.R. (2013), "Investigating the Effect of Prior Damage on the Post-Earthquake Fire Resistance of Reinforced Concrete Portal Frames", Accepted - *International Journal of Concrete Structure and Materials*.
38. Zeynalian, M., Ronagh, H.R. and Dux, P., (2013), "Analytical Description of Pinching, Degrading, and Sliding in a Bilinear Hysteretic System", Accepted - *ASCE Journal of Engineering Mechanics*.
39. Zeynalian M. and Ronagh H. R. (2013) "Experimental Study on Seismic Performance of Strap-Braced Cold-Formed Steel Shear Walls". Accepted- *Advances in Structural Engineering*.
40. Behnam, B., and Ronagh, H.R. (2013), "Using Carbon Fibre Polymers to Improve Post-Earthquake Fire Resistance of Ordinary Reinforced Concrete Structures", Accepted-*The Structural Design of Tall and Special Buildings*.
41. Baji H., Ronagh H. R. (2013), "Reliability Analysis of Moment Redistribution in RC Beams Designed Based on ACI Code", Accepted- *Magazine of Concrete Research*.
42. Behnam, B., and Ronagh, H.R. (2013), "Performance of Reinforced Concrete Structures Subjected to Fire Following Earthquake", Accepted- *European Journal of Environmental and Civil Engineering*.
43. Eslami, A., Dalalbashi, A., and Ronagh, H.R. (2013), "On the effects of plastic hinge relocation in of RC buildings using CFRP", *Composites Part B: Engineering*. 2013;52:350-61.
44. Fallah, M.M., Shooshtari, A and Ronagh, H.R. (2013) , "Investigating the effect of bond slip on the seismic response of RC structures", Accepted- *Structural Engineering and Mechanics*.
45. Behnam, B. and Ronagh, H.R. (2013), "A study on the effect of sequential post-earthquake fire on the performance of reinforced concrete structures", Accepted- *International Journal of Structural Integrity*.
46. Behnam, B., and Ronagh, H.R. (2013), "Post-Earthquake Fire Performance-Based Behaviour of Reinforced Concrete Structures, Accepted - *Journal of Earthquakes and Structures*.
47. Behnam, B. and Ronagh, H.R. (2013), "Behavior of moment-resisting tall steel structures exposed to vertically traveling post-earthquake fire", Accepted - *Structural Design of Tall and Special Buildings*.
48. Behnam, B., Ronagh, H.R. and Lim, P.J. (2013), "Hinge Relocation in Reinforced Concrete Frames as a Method of Improving Post-Earthquake Fire Resistance", Accepted - *Structure and Infrastructure Engineering (Impact factor: 2.805)*.

49. Mortezaei, A. and Ronagh, H. R. (2013), "Effectiveness of modified pushover analysis procedure for the estimation of seismic demands of buildings subjected to near-fault ground motions having fling step", *Nat. Hazards Earth Syst. Sci.*, 13, 1579-1593, doi:10.5194/nhess-13-1579-2013.
50. Saeed N., Virk A., Ronagh, H.R. (2013), "Composite repair of pipelines, considering the effect of live pressure-Analytical and numerical models with respect to ISO/TS 24817 and ASME PCC-2", Accepted for publication in *Composites Part B:Engineering*
51. Cao, V.V. and Ronagh, H.R. (2013), "A model for damage analysis of concrete", *Advances in Concrete Construction*, 1(2), 187-200. doi: <http://dx.doi.org/10.12989/acc.2013.01.2.187>

## 2012

52. Zeynalian M. and **Ronagh** H. R. (2012), "An experimental investigation on the lateral behaviour of knee-braced cold-formed steel shear walls". *Thin-Walled Structures*, 51:1, 64-75.
53. Zeynalian M., Trigunarsyah B. and **Ronagh** H. R. (2012) "Construction Selection Using the Modified Advanced Programmatic Risk Analysis and Management Model". *Journal of Construction and Management-ASCE*, In press.
54. Dalalbashi, A., Eslami, A. and **Ronagh**, H.R. (2012), "Plastic Hinge Relocation in RC Joints as an Alternative Method of Retrofitting Using FRP", *Composite Structures*, 94(8): 2433-2439.
55. Barkhordari M. A., Shayanfar M. A., Baji H., **Ronagh** H. R. (2012), "Best-fit probability models for wind loads and its effect on the structural reliability", *International Journal of Engineering under Uncertainty Hazard, Assessment, and Mitigation*, Vol. 4(1), 11-22.
56. Eslami, A., **Ronagh**, H.R. Mahini, S.S., and Morshed, R. (2012), "Experimental Investigation and Nonlinear FE Analysis of Historical Masonry Buildings- a Case Study", *Construction and Building Materials*. 35(0): 251-260.
57. Zeynalian M. and **Ronagh** H. R. (2012), "Seismic Characteristics of K-Braced Cold-Formed Steel Shear Walls". *Journal of Constructional Steel Research*. Vol. 77, 23-31.
58. Zeynalian M. and **Ronagh** H. R. (2012) "Lateral Behavior of Knee-Braced Cold-Formed Steel Shear Walls". *Thin- Walled Structures*, vol. 51, 64-75.
59. **Ronagh**, H.R. and Behnam, B., (2012), "Investigating the Effect of Prior Damage on the Post-earthquake Fire Resistance of Reinforced Concrete Portal Frames", *International Journal of Concrete Structures and Materials*, Vol.6, No.4, pp.209–220.
60. Mortezaei, A. and **Ronagh**, H.R. (2012), "Plastic Hinge Length of FRP Strengthened RC Columns Subjected to both Far-Fault and Near-Fault Ground Motions", *Scientia Iranica*, <http://dx.doi.org/10.1016/j.scient.2012.10.010>.
61. Eslami, A., and **Ronagh**, H.R. (2012), "Effect of Elaborate Plastic Hinge Definition on the Pushover Analysis of Reinforced Concrete Buildings". *Structural Design of Tall and Special Buildings*. DOI 10.1002/tal.1035.
62. Baji H., **Ronagh** H. R. Shayanfar M. A., and Barkhordari, M. A. (2012), "Effect of Second order Analysis on the Drift Reliability of Steel Buildings", *Advances in Structural Engineering*, 15(11), 1989-1999.

## 2011

63. Mortezaei, A., **Ronagh**, H.R. Kheyroddin. A. and Ghodrati Amiri, G., (2011), "Effectiveness of Modified Pushover Analysis Procedure for the Estimation of Seismic Demands of Buildings subjected to Near-Fault Earthquakes having Forward Directivity", *Structural Design of Tall and Special Buildings*, Publication Online: 21 Oct 2009, DOI: 10.1002/tal.553.
64. Mortezaei, A., Kheyroddin, A. and **Ronagh**, H.R. (2011), "Finite Element Analysis and Seismic Rehabilitation of a 1000-year-old Heritage Listed Tall Masonry Mosque", *Structural Design of Tall and Special Buildings*, Published Online: 1 June 2010, DOI: 10.1002/tal.599.
65. Baji, H. and **Ronagh**, H.R. (2011), "Investigating the Reliability of Tall Buildings RC Beams Designed Based on the New ACI 318-05/ASCE 7-05", *Structural Design of Tall and Special Buildings*, Published Online 12 Nov 2010, DOI: 10.1002/tal.638.
66. Baji, H. and **Ronagh**, H.R. (2011), "Effect of Relative Intensity of Wind Load on the RC Column Reliability in Tall Buildings", *Structural Design of Tall and Special Buildings*, Published Online 16 Oct 2010, DOI: 10.1002/tal.623.
67. Mahini S.S., **Ronagh**, H.R. (2011). "Numerical Modeling for Monitoring the Hysteretic Behaviour of CFRP-Retrofitted RC Exterior Beam-Column Joints", *Structural Engineering & Mechanics*, 38(1), 27-37.
68. Dalalbashi Esfahani, A., Mostofinejad, D., Mahini, S.S and **Ronagh**, H.R. (2011) "Numerical Investigation on the Behaviour of FRP-Retrofitted RC Exterior Beam-Column Joints under Cyclic Loads, *Iranian Journal of Science and Technology* , 35(C1), 35-50.
69. Mahini S.S., **Ronagh**, H.R. (2011). "Web-Bonded FRPs for Relocation of Plastic Hinges away from the Column Face in Exterior RC Joints", *Composite Structures*, (93)2460-2472.
70. Naderian, H.R. **Ronagh**, H.R. and Azhari, M., (2011), "Torsional and Flexural Buckling of Composite FRP Columns with Cruciform Sections Considering Local instabilities", *Composite Structures*, 93 (10), 2575-2586.
71. Luan, N.K, Bakhshi, H., **Ronagh**, H.R. Barkhordari, M.A., Ghodrati Amiri, G., (2011), m"Analytical Solutions for the In-Plane Behavior of Composite Steel/Concrete Beams with Partial Shear Interaction", *Asian Journal of Civil Engineering, Building and Housing*, Vol. 12(6), 751-772.
72. Zeynalian, M. and **Ronagh**, H.R. (2011), "A Numerical Study on Seismic Characteristics of Knee-Braced Cold Formed Steel Shear Walls", *Journal of Thin-walled Structures*, 49, 1517-1525, DOI: 10.1016/j.tws.2011.07.012
73. Mahini, S. S., Eslami, A. and **Ronagh**, H.R. (2011), "Lateral Performance and Load Carrying Capacity of an Unreinforced, CFRP-retrofitted Historical Masonry Vault – a Case Study". *Construction and Building Materials*, 28:1, 146-156.
74. Baji H., **Ronagh** H. R. (2011), "Effects of Cross-sectional Shape on the Reliability of RC Columns", *Structural Concrete Journal (The official journal of FIB)*, 12 (4), 262-269.

#### Journal papers prior to 2010

75. Mahini, S.S. and **Ronagh**, H.R. (2010), "Strength and Ductility of FRP Web-Bonded RC Beams for the Assessment of Retrofitted Beam-Column Joints", *Composite Structures*, 92(6), 1325-1332.
76. Mortezaei, A., **Ronagh**, H.R. and Kheyroddin, A., (2010), "Seismic Evaluation of FRP Strengthened RC Buildings Subjected to Near-Fault Ground Motions having Fling Step", *Composite Structures*, 92(5), 1200-1211.
77. Moghimi, H. and **Ronagh**, H.R. (2009), "Better Connection Details for Strap-Braced CFS Stud Walls in Seismic Regions", *Thin-Walled Structures*, 47(2), 122-135.

78. Moghimi, H. and **Ronagh**, H.R. (2009), "Performance of Light-gauge Cold-Formed Steel Strap Braced Stud Walls Subjected to Cyclic Loading", *Engineering Structures*, 31(1), 69-83.
79. Mohammadzadeh, M.R. Fadaee M.J., and **Ronagh**, H.R. (2009), "Improving Torsional Behaviour of Reinforced Concrete Beams Strengthened with Carbon Fibre Reinforced Polymer Composite", *Iranian Polymer Journal*, 18(4), p.106.
80. Mahini S.S., **Ronagh**, H.R. (2009). "Numerical modeling of FRP strengthened RC beam-column joints", *Structural Engineering & Mechanics*, Vol. 32(5), 649-665.
81. Moghimi, H, and **Ronagh**, H.R. (2008), "Impact factors for a Composite Steel Bridge Using Non- Linear Dynamic Simulation", *International Journal of Impact Engineering*, Vol. 35, No. 11, 1228-1243.
82. Hatami, S., **Ronagh**, H.R. and Azhari, M. (2008), "Exact Free Vibration Analysis of Axially Moving Viscoelastic Plates", *Computers and Structures*, 86(17-18), 1738-1746.
83. Moghimi, H. and **Ronagh**, H.R. (2008), "Development of a Numerical Model for Bridge-Vehicle Interaction and Human Response to Traffic-Induced Vibration", *Engineering Structures*, 30(12), 3808-3819.
84. Ameli, M., **Ronagh**, H.R. and Dux, P.F., (2007), "Behaviour of FRP Strengthened Reinforced Concrete Beams under Torsion", *ASCE, Journal of Composites for Construction*, Vol. 11, No. 2, 192-200.
85. Ameli, M. and **Ronagh**, H.R. (2007), "An Analytical Method for Evaluating the Ultimate Torque of FRP Strengthened Reinforced Concrete Beams, *ASCE, Journal of Composites for Construction*, Vol. 11, No. 4, 384-390.
86. Ameli, M. and **Ronagh**, H.R. (2007), "Treatment of Torsion of Reinforced Concrete Beams in Current Structural Standards", *Asian Journal of Civil Engineering*, Vol. 8, No. 5, 507-519.
87. Mahini, S.S. and **Ronagh**, H.R. (2007), "A New Method for Improving Ductility in Existing RC Ordinary Moment Resisting Frames Using FRPs", *Asian Journal of Civil Engineering*, 8, 6, 581-595.
88. Elyasian, I., Abdoli, N. and **Ronagh**, H.R. (2006), "Evaluation of Parameters Effective in FRP Shear Strengthening of RC Beams Using FE Method", *Asian Journal of Civil Engineering*, Vol. 7, No. 3, 249-257.
89. Liang, Q.Q, Uy, B., Bradford, M.A. and **Ronagh**, H.R. (2005), "Strength Analysis of Steel-Concrete Composite Beams in Combined Bending and Shear", *Journal of Structural Engineering*, ASCE, 131(10), 1593-1600.
90. Poon, C.P. and **Ronagh**, H.R. (2004), "Distortional Buckling of I-Beams by Finite Element Method", *Advances in Structural Engineering*, Vol. 1, 71-80.
91. Ng, M.L.H. and **Ronagh**, H.R. (2004), "An Analytical Solution for the Distortional Buckling of I-Section Beams", *Advances in Structural Engineering*, Vol.7, 189-200.
92. Liang, Q.Q, Uy, B., Bradford, M.A. and **Ronagh**, H.R. (2004), "Ultimate Strength of Continuous Composite Beams in Combined Bending and Shear", *Journal of Constructional Steel Research*, 60, 1109-1128.
93. Dao, N.T.V., **Ronagh**, H.R. and Dao, N.T.L, (2004), "Optimisation of Thin-walled Sections under Compression", *Journal of Science and Technology – The University of Danang*, #5, 6-10.
94. **Ronagh**, H.R. Bradford, M.A. and Attard, M.M. (2000), "Nonlinear Analysis of Thin-Walled Members of Variable Cross-Section. 1:Theory", *Computers and Structures*, 77(3), 285-299.
95. **Ronagh**, H.R. Bradford, M.A. and Attard, M.M. (2000), "Nonlinear Analysis of Thin-Walled Members of Variable Cross-Section. 2:Application", *Computers and Structures*. 77(3), 301-313.



96. **Ronagh**, H.R. (2001), "Progress in the Methods of Analysis of Restricted Distortional Buckling of Composite Bridge Girders", *Progress in Structural Engineering and Materials*, 3(2), 141-148. Invited Paper.
97. **Ronagh**, H.R. and Bradford, M.A., (2002) "Instability of the Steel Joist in Composite Bridge Girders: A Review of the Current Design Methods", *Australian Journal of Structural Engineering*, 3(3), 143-151.
98. **Ronagh**, H.R. and Bradford, M.A. (1999), "Non-Linear Analysis of Thin-Walled Members of Open Cross-section", *International Journal for Numerical Methods in Engineering*, 46, 535-552.
99. Bradford, M.A. and **Ronagh**, H.R. (1997), "Generalised Elastic Buckling of Restrained I-Beams by FEM", *Journal of Structural Engineering, ASCE*, 123 (12), 1631-1637.
100. Bradford, M.A. and **Ronagh**, H.R. (1997), "Elastic Distortional Buckling of Tapered Composite Beams", *Structural Engineering and Mechanics*, 5(3), 269-281.
101. **Ronagh**, H.R. and Bradford, M.A. (1996), "A Rational Model for the Distortional Buckling Analysis of Tapered Members", *Journal of Computer Methods in Applied Mechanics and Engineering*, 130, 263-277.
102. **Ronagh**, H.R. Lawther, R. E, and Williams, F., (1995), "Calculation of Eigenvectors with Uniform Accuracy", *Journal of Engineering Mechanics, ASCE*, 121 (4), 948-955.
103. **Ronagh**, H.R. and Bradford, M.A. (1994), "Elastic Distortional Buckling of Tapered I-Beams", *Engineering Structures*, 16 (2), 97-110.
104. **Ronagh**, H.R. and Bradford, M.A. (1994), "Parameters Affecting the Distortional Buckling of Tapered members", *Journal of Structural Engineering, ASCE*, 120(11), 3137-3155.
105. **Ronagh**, H.R. and Bradford, M.A. (1994), "Some Notes on the Buckling Formulation of Beams", *Computers and Structures*, 52 (6), 1119-1126.

*Papers in Refereed Conference Proceedings*

2013

106. Eslami, A., and **Ronagh**, H.R. (2013), "Flexural strengthening of code-compliant RC beam-column joints using CFRP", *APFIS 2013, Melbourne, Australia* (Accepted).
107. Cao, V.V. and **Ronagh**, H.R. (2013), "Damage assessment of a deficient reinforced concrete frame subjected to different seismic levels", *Proceedings of the 1st Annual International Conference on Architecture and Civil Engineering (ACE) held in Singapore, March 2013*.
108. Cao, V.V and **Ronagh**, H.R. (2013), "Effect of confinement on damage in reinforced concrete frames subjected to different seismic levels" Submitted to Second Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures (SMAR) to be held in Istanbul, Turkey in September 2013.
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