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| Status | Journals | Conferences |
| **Published** | 12 | 12 |
| **Accepted** | 6 | - |
| **Submitted** | 6 | - |

# QuakeCore publications list

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| **QuakeCore Publication Number** | **Publication** | **Status** | **Article Type** |
| 0001 | Baker J, Cremen G, Giovinazzi S, Seville E (2016) “Benchmarking FEMA P-58 seismic performance predictions against observed earthquake data – A preliminary evaluation for the Canterbury earthquake sequence”, New Zealand Society for Earthquake Engineering Conference. | Published | Conference |
| 0002 | Clare RM, Bradley BA, Sun D, Bae S, McGann CR.  QuakeCoRE and NeSI’s strategic partnership towards earthquake resilience via High Performance Computing.  eResearch NZ Conference.  Queenstown, NZ, 9-11 February 2016. (poster)” | Published | Conference |
| 0003 | GIARETTON, M., DIZHUR, D., INGHAM, J. (2016). "Dynamic testing of as-built clay brick unreinforced masonry parapets". In *Engineering Structures*, 127, pp 676-685, DOI 10.1016/j.engstruct.2016.09.016  <http://www.sciencedirect.com/science/article/pii/S0141029616305788> | Published | Journal |
| 0004 | DIZHUR, D., LUMANTARNA, R., BIGGS, D., INGHAM, J. ‘In-situ assessment of the physical and mechanical properties of vintage solid clay bricks’. Materials and Structures (third round of reviews). | Submitted | Journal |
| 0005 | GIARETTON, M., DIZHUR, D., INGHAM, J. ‘Shaking table testing of as-built and retrofitted clay brick URM cavity-walls’. *Engineering Structures*. *125,* 70-79. <http://dx.doi.org/10.1016/j.engstruct.2016.06.032>. | Published | Journal |
| 0006 | GIARETTON, M., DIZHUR, D., INGHAM, J. ‘Experimental validation of seismic retrofit solutions for URM chimneys’. Bulletin of Earthquake Engineering (first round of reviews). | Submitted | Journal |
| 0007 | GIARETTON, M., DIZHUR, D., INGHAM, J. ‘Out-Of-Plane Earthquake Performance of As-Built Clay Brick Unreinforced Masonry Parapets’. Engineering Structures (second round of reviews). | Submitted | Journal |
| 0008 | KNOX, C., DIZHUR, D., **INGHAM, J.** ‘Experimental cyclic testing of replicated URM pier-spandrel substructures’, Journal of Structural Engineering. <http://dx.doi.org/10.1061/(ASCE)ST.1943-541X.0001650> | Published | Journal |
| 0009 | GIARETTON, M., DIZHUR, D., DA PORTO, F., INGHAM, J. M. ‘Post-Earthquake Reconnaissance of Unreinforced and Retrofitted Masonry Parapets’. Earthquake Spectra. In-Press. <http://dx.doi.org/10.1193/121715EQS184M> | Accepted | Journal |
| 0010 | DIZHUR, D., SCHULTZ, A., INGHAM, J. ‘Pull-Out Behavior of Adhesive Connections in URM Walls’, Earthquake Spectra. In-Press. <http://dx.doi.org/10.1193/011115EQS006M> | Accepted | Journal |
| 0011 | LIN, Y.-W., LAWLEY, D., WOTHERSPOON, L. INGHAM, J. M. ‘Out-of-plane testing of unreinforced masonry walls using ECC shotcrete’, Structures, 7, 33-42. <http://dx.doi.org/10.1016/j.istruc.2016.04.005> | Published | Journal |
| 0012 | GIARETTON, M., DIZHUR, D., DA PORTO, F., INGHAM, J. M. ‘Construction Details and Observed Earthquake Performance of Unreinforced Clay Brick Masonry Cavity-walls’, Structures, 6, 159-169. <http://dx.doi.org/10.1016/j.istruc.2016.04.004> | Published | Journal |
| 0013 | DIZHUR, D. LUMANTARNA, R., INGHAM, J. M. ‘Assessment of mortar properties in vintage clay brick unreinforced masonry buildings’, Materials and Structures, 49, 5, 1677-1692. <http://dx.doi.org/10.1617/s11527-015-0604-8> | Published | Journal |
| 0014 | ISMAIL, N., INGHAM, J. M. ‘In-plane and out-of-plane testing of unreinforced masonry walls strengthened using polymer textile reinforced mortar’, Engineering Structures, 118, 167-177. <http://dx.doi.org/10.1016/j.engstruct.2016.03.041> | Published | Journal |
| 0015 | DERAKHSHAN, H., GRIFFITH, M. C., INGHAM, J. M. ‘Out-of-plane seismic response of vertically spanning unreinforced masonry walls connected to flexible diaphragms’, Earthquake Engineering and Structural Dynamics, 45, 4, 563-580. <http://dx.doi.org/10.1002/eqe.2671> | Published | Journal |
| 0016 | ABDUL KARIM, A. R., M.SA’DON, N., INGHAM, J. M. ‘Structural Dynamic Response of an Unreinforced Masonry House using Non-Destructive Forced Vibration’, Journal of Earthquake Engineering, 20, 1, 1-11. <http://dx.doi.org/10.1080/13632469.2015.1051247> | Published | Journal |
| 0017 | WALSH, K. Q., CUMMUSKEY, P. A., JAFARSADEH, R., INGHAM, J. M. ‘Rapid identification and taxonomical classification of structural seismic attributes in a regionwide commercial building stock’, ASCE Journal of Constructed Facilities, <http://dx.doi.org/10.1061/(ASCE)CF.1943-5509.0000927> | Published | Journal |
| 0018 | WALSH, K., DIZHUR, D., INGHAM, J. ‘Estimating Thrust Forces Due To Arching Action of Clay Brick Masonry Infill’. Journal of Structural Engineering (third round of reviews). | Accepted | Journal |
| 0019 | HENRY, R. S., SRITHARAN, S., INGHAM, J. M. ‘Finite element analysis of the PreWEC self-centering concrete wall system’, Engineering Structures, 115, 28-41. <http://dx.doi.org/10.1016/j.engstruct.2016.02.029> | Published | Journal |
| 0020 | WALSH, K., HENRY, R., SIMKIN, G., BROOKE, N., DAVIDSON, B., INGHAM, J. ‘Testing of Reinforced Concrete Frames Extracted from a Building Damaged during the Canterbury Earthquakes’, ACI Structural Journal, 113, 2, 349-362. | Published | Journal |
| 0021 | HENRY, R. S., SRITHARAN, S., INGHAM, J. M. ‘Residual drift analyses of realistic self-centering concrete wall systems, Earthquake and Structures, 10, 2, 409-428. <http://dx.doi.org/10.12989/eas.2016.10.2.409> | Published | Journal |
| 0022 | EDKINS, D. J., ORENSE, R. P., HENRY, R. S., INGHAM, J. M. ‘Signature failure modes of pipelines constructed of different materials when subjected to earthquakes’, Journal of Pipeline Systems Engineering and Practice, 7, 1, 04015014, <http://dx.doi.org/10.1061/(ASCE)PS.1949-1204.0000213> | Published | Journal |
| 0023 | Bastin S, Bassett K, Quigley M, Maurer B, Green RA, Bradley BA, Jacobsen D. Late Holocene liquefaction at sites of contemporary liquefaction during the 2010-2011 Canterbury earthquake sequence.  Bulletin of the Seismological Society of America. 2016, Vol 106, No. 3, pp 881-903 | Published | Journal |
| 0024 | Kaklamanos J, Bradley BA. Improving our understanding of 1D site response model behaviour: Physical insights for statistical deviations from 114 KiK-net sites.  Seismological Society of America (SSA) Annual Meeting. 22-22 April 2016. [(poster)](https://dl.dropboxusercontent.com/u/35408783/webpage/Publications/OtherPublications/2016/Kaklamanos_PhysicalInsightsIntoSiteResponseAnalysisBias_SSA_2016.pdf) | Published | Conference |
| 0025 | Razafindrakoto HNT, Bradley BA, Graves RW. Broadband ground motion simulation of the 2010-2011 Canterbury earthquake sequence. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016. Christchurch, New Zealand. | Published | Conference |
| 0026 | Lee RL, Bradley BA. Investigation of regional quality factors from a New Zealand-wide velocity model. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016.Christchurch, New Zealand. | Published | Conference |
| 0027 | Thomson EM, Bradley BA, Lee RL. The Canterbury velocity model (CantVM) version 1.  Computational implementation, south island extension, and integration within the UCVM framework. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016.Christchurch, New Zealand. | Published | Conference |
| 0028 | Jeong S, Bradley BA. Simulation of strong asymmetrical vertical acceleration at Heathcote Valley in the 2010-2011 Canterbury earthquakes. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016. Christchurch, New Zealand. | Published | Conference |
| 0029 | Tarbali K, Bradley BA. Nationwide seismic hazard maps of New Zealand using recent developments in rupture forecast and ground motion prediction. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016. Christchurch, New Zealand. | Published | Conference |
| 0030 | Moghaddasi M, Bradley BA, Elwood K. Seismic performance and loss assessment of a typical New Zealand code-conforming reinforced concrete building. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016. Christchurch, New Zealand. | Published | Conference |
| 0031 | Kaiser A, Van Houtte C, Perrin N, McVerry G, Cousins J, Dellow S, Wotherspoon L, Bradley BA, Lee R. Characterizing GeoNet strong motion sites: Site metadata update for the 2015 Strong motion database. New Zealand Society for Earthquake Engineering Conference.  1-3 April 2016. Christchurch, New Zealand. 8pp. | Published | Conference |
| 0032 | Bullock Z, Bradley BA. Systematic vertical ground motion observations in the Canterbury earthquakes.  University of Canterbury Research Report No. 2016-03. Department of Civil and Natural Resources Engineering, University of Canterbury. March 2016. 75pp. | Published | Conference |
| 0033 | Bradley BA, Razafindrakoto HNT, Graves RW, Thomson EM, Bae S, Clare R.  Ground motion simulations of damaging recent and future earthquakes using NeSI HPC resources. eResearch NZ Conference. 9-11 February 2016. Queenstown, New Zealand. | Published | Conference |
| 0034 | Quigley M, Hughes MW, Bradley BA, Van Ballegooy S, Reid C, Morgenroth J, Horton T, Duffy B, Pettinga J. The 2010-2011 Canterbury earthquake sequence: Environmental effects, seismic triggering thresholds and geologic legacy. Tectonophysics. | Accepted | Journal |
| 0035 | Tarbali K, Bradley BA.  The effect of causal parameter bounds on PSHA-based ground motion selection. Earthquake Engineering and Structural Dynamics. | Accepted | Journal |
| 0036 | SHAFAEI, J., HOSSEINI, A., MAREFAT, M. S., INGHAM, J. M., ZARE, H. ‘Experimental evaluation of seismically and non-seismically detailed external RC beam-column joints’, Journal of Earthquake Engineering, <http://dx.doi.org/10.1080/13632469.2016.1185052> | Published | Journal |

After TEC reporting on 22 June 2016

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| 0037 | DIZHUR, D., DHAKAL, R. P., BOTHARA, J., INGHAM, J. M. ‘Building typologies and failure modes observed in the 2015 Gorkha (Nepal) earthquake’, , Bulletin of the New Zealand Society for Earthquake Engineering, 49, 2, June, 211-232. | Published | Journal |
| 0038 | SEIFI, P. HENRY, R. S., INGHAM, J. M. ‘Panel connection details in existing New Zealand precast concrete buildings’, Bulletin of the New Zealand Society for Earthquake Engineering, 49, 2, June, 190-199. | Published | Journal |
| 0039 | GIARETTON, M., DIZHUR, D., DE PORTO, F., INGHAM, J. ‘Seismic Assessment and Improvement of Unreinforced Stone Masonry Buildings: Literature Review and Application to New Zealand’, Bulletin of the New Zealand Society for Earthquake Engineering, 49, 2, June, 148-173. | Published | Journal |
| 0040 | WALSH, K. Q., JAFARZADEH, R., SHORT, N., INGHAM, J. M. ‘Seismic risk management of a large public facilities portfolio: a New Zealand case study’, Facilities, 34, 13/14., <http://dx.doi.org/10.1108/F-04-2015-0017>  <http://www.emeraldinsight.com/doi/abs/10.1108/F-04-2015-0017> | Published | Journal |
| 0041 | OYARZO-VERA, C., INGHAM, J. CHOUW, N. ‘Vibration-based damage identification of an unreinforced house model’*, Advances in Structural Engineering*, <http://dx.doi.org/10.1177/1369433216649853> | Published | Journal |
| 0042 | HOGAN, L., WOTHERSPOON, L., BESKHYROUN, S., INGHAM, J. ‘Dynamic Field Testing of a Three-Span Precast-Concrete Bridge’, *ASCE Journal of Bridge Engineering*, *06016007*, <http://dx.doi.org/10.1061/(ASCE)BE.1943-5592.0000970> | Published | Journal |
| 0043 | SHAFAEI, J., HOSSEINI, A,., MAREFAT, M. S., INGHAM, J. M. ‘Rehabilitation of earthquake damaged external RC beam-column joints by joint enlargement using prestressed steel angles’, *Earthquake Engineering and Structural Dynamics*, <http://dx.doi.org/10.1002/eqe.2794> | Published | Journal |
| 0044 | GIONGO, I., SCHIRO, G., TOMASI, R., DIZHUR, D., INGHAM, J. ‘Seismic assessment procedures for flexible timber diaphragms’, in ‘Historical Earthquake-Resistant Timber Framing in the Mediterranean Area’, Eds. CRUZ, H., MACHADO, J. S., COSTA, A. C., CANDEIAS, P. X., RUGGIERI, N., CATARINO, J. M. Print ISBN 978-3-319-39491-6, Online ISBN 978-3-319-39492-3, Springer International Publishing, 263-274. <http://dx.doi.org/10.1007/978-3-319-39492-3_22> | Published | Book Chapter |
| 0045 | NAKAMURA, Y., DERAKHSHAN, H., SHEIKH, A. H., INGHAM, J. M., GRIFFITH, M. C. ‘Equivalent frame modelling of an unreinforced building with flexible diaphragms – A case study’, *Bulletin of the New Zealand Society for Earthquake Engineering, 49,* 3, September, 234-244. | Published | Journal |
| 0046 | Bradley BA. ‘Strong ground motion characteristics observed in the 13 June 2011 Mw6.0 Christchurch, New Zealand earthquake’, Soil Dynamics and Earthquake Engineering. | Accepted | Journal |
| 0047 | Chris R. McGann, Brendon A. Bradley, Misko Cubrinovski.’Development of a regional Vs30 model and typical Vs profiles for Christchurch, New Zealand from CPT data and a region-specific CPT-Vs correlation’,Soil Dynamics and Earthquake Engineering. | Submitted | Journal |
| 0048 | Chris R. McGann, Brendon A. Bradley, Misko Cubrinovski.’ Investigation of shear wave velocity depth variability, site classification, and liquefaction vulnerability identification using a near-surface Vs model of Christchurch, New Zealand’. Soil Dynamics and Earthquake Engineering | Submitted | Journal |
| 0049 | DERAKHSHAN, D., NAKAMURA, Y., INGHAM, J. M., GRIFFITH, M. C. ‘Simulation of shake table tests on out-of-plane masonry buildings. Part (I): Displacement-based approach using simple failure mechanisms’, International Journal of Architectural Heritage, <http://dx.doi.org/10.1080/15583058.2016.1237590> | Published | Journal |
| 0050 | MAROTTA, A., SORRENTINO, L., LIBERATORE, D., **INGHAM J. M.** ‘Vulnerability assessment of unreinforced masonry churches following the 2010-2011 Canterbury (New Zealand) earthquake sequence’, *Journal of Earthquake Engineering*, <http://dx.doi.org/10.1080/13632469.2016.1206761> | Published | Journal |