## REFERENCES

Abayakoon, S.B.S., (1996), Seismic Risk Analysis of Sri Lanka, *Journal of the Geological Society of Sri Lanka*, Vol. 6, 65-72.

Abayakoon, S.B.S., (1998) "Seismic Response of Low Lying Areas in Colombo Sri Lanka", Engineer, Journal of Institution of Engineers, Sri Lanka, Vol. 28, 29-36.

Ambrosini D., Luccioni B., JacintoA., Danesi R., (2005), Location and mass of explosive from structural damage, *Engineering Structures*, Vol. 27.

Arnold C., Reitherman R., (1982), Building configuration and seismic design, Wiley, New York.

AS 1170.2, (1989), Australian Standard. Minimum design loads on structures-part 2: wind loads, NSW: Standards Association of Australia, Sri Lanka.

Electronic Theses & Dissertations

AS 1170.4 (1993), Australian Standard A Minimum design loads on structures Part 4: Earthquake loads: NSW: Standards Association of Australia.

ATC-40, (1996), Seismic evaluation and retrofit of concrete buildings, Vol. 1, ATC-40 report, Applied Technology Council, Redwood City, California.

Baker, W.E., Cox, P.A., Kulesz, J.J., Strehlow, R.A., (1983), *Explosion hazards and evaluation*, Elsvier, Amsterdam.

Berrais, A.A., (2005), Knowledge-based expert system for earthquake resistant design of reinforced concrete buildings. *Expert systems with applications*, Vol. 28, 519-530.

Beshara, F.B.A., (1994), Modeling of blast loading on above ground structures-1, General Phenomenology and external blast. *Computers and structures*, Vol. 51: 585-596.

Biggs, J.M., Introduction to structural dynamics, (1964), New York: McGraw-Hill.

Bing, Li, Cheng Rong H., Tso C.P., (2006), Drift controlled design of reinforced concreteframe structures under distant blast conditions-Part II: Implementation and evaluation, *International journal of impact engineering*, Vol.10, 1000-1016

Bogosian, D.D., Dunn, B.W., Chrostowski, J.D., (1999), Blast analysis of complex structures using physics-based fast-running models, *Computers & structures*, Vol. 72, 81-92.

Boswell, L.F., D'Mello, C., (1993), *Dynamics of structural systems*, Blackwell Scientific publications, London.

Bozorgnia, Y., Berterd, M.V. (2004), Ed. Earthquake Engineering from Engineering seismology to performance based engineering, CRO pressettich, Closida.

www.lib.mrt.ac.lk

Brode, H.L., (1955), Numerical solution of spherical blast waves, *Journal of applied physics*, Vol.6.

BS 6399: Part 1, (1996): Code of practice for dead and imposed loads, British Standards Institution, London.

BS 6399: Part 2, (1997): Code of practice for wind loads, British Standards Institution, London.

BS 8110: (1985): The structural use of concrete, British Standards Institution, London.

Chajes, M.J., Finch, W.W., Kirby, J.T., (1996), Dynamic analysis of a ten-storey reinforced concrete building using a continuum model, *Computers & structures*, Vol. 58,487-498.

Chengqing, W., Hao, H., (2005), Numerical simulation of structural response and damage to simultaneous ground shock and airblast loads, *International journal of impact engineering*, Vol. 5.

Chengqing, W., Hao, H., Yong, L., (2005), Dynamic response and damage analysis of masonry structures and masonry infiled RC frames to blast ground motion. *Engineering structures*, Vol. 27.

Cheung, V.W.T., Tso, W.K., (1987), Lateral load analysis for buildings with setback. Journal of structural engineering, Vol. 113, 209-227.

Chi, W.M., Tawil, S.E., Deierlein, G.G., Abel, J.F., (1998), Inelastic analyses of a 17-story steel framed building damaged during Northridge earthquake, *Engineering* structures, Vol. 120, 4811-495 ersity of Moratuwa, Sri Lanka.

Chopra, A.K., (1995), Dynamics of Mruciules, Theory and applications to earthquake engineering, Prentice-Hall, Englewood Cliffs, NJ.

Electronic Theses & Dissertations

Corderoy, H.J.B., Thambiratnam, D.P., (1993), Microcomputer analysis of torsionally coupled multistorey buildings for earthquakes, *Computers & Structures*, Vol. 46: No 4.

Craig, R.R., (1981), Structural dynamics, John Wiley & Sons, Inc.

Dharmawardana, T.G.D.T., (2003), *Tall building case base*. MEngThesis, University of Moratuwa, Sri Lanka.

Dissanayake, P.B.R., Mohadevan, N., (2005), *Potential earthquake risk of buildings in Sri Lanka*, International symposium, Disaster reduction of coasts, Monash University, Australia.

Dowrick, D.J., (1977), Earthquake Resistant Design, John Wiley & Sons.

Dymiotis, C., Kappos, A.J., Chryssanthopoulos. M.K., (2001), Seismic reliability of masonry-infilled RC frames, *Journal of Structural Engineering*, Vol. 127, 296-305.

Elnashai, A.S., Antoniou, S., (2000), ed., *Implications of recent earthquakes on seismic risk*, Imperial College Press, 57 Shelton Street Covent Garden, London.

FEMA-273, (1997), NEHRP Guidelines for the seismic rehabilitation of buildings: Developed by the building seismic safety council for the federal emergency management agency, *Report No. FEMA-273*.

Graybeal, W.T., (1980), Simulation, principles and methods, Winthrop, Cambridge.

Gustavo, J.P., Bobet, A., Ramirez. J.A., (2006), Evaluation of soli-structure interaction and structural collapse in Daikai subway station during Kobe earthquake, *ACI structural journal*, Vol. 103.

University of Moratuwa, Sri Lanka.

Hart, G.C., Wong, W., F(2000); String What stynahids for strugtional sengineers, Wiley & Son, Inc.

www.lib.mrt.ac.lk

Housner, G.W., Strong ground motion in earthquake engineering, Ed. R.L.Wiegel, Prentice-Hall, Upper Saddle River, New Jersey.

Kappos, A.J., (1991), Analytical prediction of the collapse earthquake for R/C buildings:suggested methodology, *Earthquake engineering and structural dynamics*, Vol. 2, 167-176.

Kappos, A.J., (2002), Dynamic loading and design of structures: Spon Press, London.

Kingery, C.N., Bulmash. G., (1984), Air blast parameters from TNT spherical air burst and hemispherical surface burst. Technical report ARBRL-TR-02555, U.S. Army Armament Research and Development Center.

Krauthammer, T., (1999), Blast resistant structural concrete and steel connections, *International Journal of Impact Engineering*, Vol. 22, 887-910.

Krauthammer, T., Altenberg, A., (2000), Negative phase blast effects on glass panels. *International Journal of Impact Engineering*, Vol. 24, 1-17.

Krawinkler, H., Seneviratna, G.D.P.K., (1998), Pros and cons of a pushover analysis of seismic performance evaluation, *Engineering structures*, Vol. 20, 452-464.

Kwak, H.G., Sun-Pil, K., Ji-Eun, K., (2004), Nonlinear dynamic analysis of RC frames using cyclic moment-curvature relation, *Structural Engineering and Mechanics*, Vol. 17, 357-378.

Lee, H.J., Kim, H.S., (2005), *Quantitative Lateral Drift Control of Shear Wall-Frame Buildings*. Proceedings of the Tenth International conference on Civil Structural and Environmental Engineering Computing, Stirling, Scotland.

Leeming, M.B., Toppling, VB. PENY, (1994), rumovation fin Langingering for seismic regions, Civil comperssectronic Theses & Dissertations

www.lib.mrt.ac.lk

Lorenz, R., (1982), Derivation of the reflected impulse as a function of the angle of incidence. Naval surface weapons centre, U.S. Army Research & Development, Dover, New Jersey.

Luccioni, B.M., Ambrosini, R.D., Danesi, R.F., (2004), Analysis of building collapse under blast loads, *Engineering structures*, Vol. 26, 63-71.

Mele, E., Luca, A.D., Giordano, A., (2003), Modelling and analysis of a basilica under earthquake loading, *Journal of Cultural Heritage*, Vol. 4, 355-367.

Mendis, P., Goldsworthy, H., (1995), Earthquake resistant design of concrete structures: The state of the art, Earthquake – Earthquake resistant design for reinforced concrete structures, Steel reinforcement institute of Astralia.

Mendis, P., Tuan, N., Nelson, L., (2004), *Blast-Resilient Design for Building Structures*, Institution of Engineers, Australia.

Mwafy, A.M., Elnashai, A.S., (2001), Static pushover versus dynamic collapse analysis of RC buildings, *Engineering structures*, Vol. 23, 407-424.

Nassiri, E., (1993), Review of code provisions and current practices for inelastic analysis and design of buildings subjected to earthquakes, Research Report, 93-4, Physical Infrastructure Centre, Queensland University of Technology, Australia.

NZS 4203, (1984), Code of practice for general structural design loading for buildings, Standards Association of New Zealand, Wellington, New Zealand.

Park, R., Paulay, T., (1975) Reinforced concrete structures, J. Wiley & Sons, New York.

Paulay, T., Priestley, M.J.N., (1992), Seismic design of reinforced concrete and masonry buildings, John Wiley & Sons Insty of Moratuwa, Sri Lanka.

Electronic Theses & Dissertations

Paz, M., (1997). Structural dynamics! Theory and computation, Chapman & Hall.

Paz, M., (1994), ed., International handbook of earthquake engineering. Chapman & Hall, Inc.

Penelis, G., Kappos, J., (1997), Earthquake-resistant concrete structures, E & FN Spon. London

Ravi Kumar, G., Satish Kumar, S.R., Kalyanaraman, V., (2007), Behaviour of frames with non-buckling bracings under earthquake loading, *Journal of Constructional Steel Research*, Vol. 63, 254-262.

Remennikov, A.M., (2003), A review of the methods for predicting bomb blast effects on buildings, *Journal of Battlefield Technology*, Vol. 6, 1-6.

Remennikov, A.M., (2004) Blast resistant consulting: a new challenge for structural engineers, *Australian journal of structural engineering*, Vol. 4.

Rutenberg, A, Dickman, Y., (1993) Lateral load response of setback shear wall buildings. *Engineering Structures*, Vol. 5, 47-54.

SAP 2000, (1997), Integrated finite element analysis and design of structures, Analysis reference, Computers and structures, Inc.Berkeley, California, USA.

Sezen, H., Whittaker, A.S., Elwood, K.J., Mosalam, K.M., (2003), Performance of reinforced concrete buildings during the August 17, 1999 Kocaeli, Turky earthquake, and seismic design and construction practice in Turkey. *Engineering Structures*, Vol. 25, 103-114.

Smith, S.S., Coull, A., (1991), Tall building structures: Analysis and design. New York: John Wiley & sons.

Tehranizadeh, M., Zarorian, H. (1995), Application of various models for nonlinear response of concrete structures. Proceedings of the second international conference on seismology and earthquake engineering, Volume 1.

Tezcan, S.S., Alhan, C., (2001), Parametric analysis of irregular structures under seismic loading according to the new Turkish Earthquake Code, *Engineering Structures*, Vol. 23, 600-609.

Thambiratnam, D.P., Thevendran, V., (1992), Simplified analysis of asymmetric buildings subjected to lateral loads. *Computers and Structures*, Vol. 34, 873-880.

Thambiratam, D.P., Crderoy, J.H.B., (1994), Effects of asymmetry in the response of Multistory buildings, *Engineering Structures*, Vol.16, 210-221.

TM5-1300, (1990), U.S. Department of the Army, Design of structures to resist the effects of accidental explosions, Technical Manual 5-1300.

Tremblay, T., Poncet, L., (2005) Seismic performance of concentrically braced steel frames in multistory buildings with mass irregularity. *J Struct Eng*, Vol. 131, 363-1375.

Tso, W.K., Yao, S., (1994), Seismic load distribution in buildings with eccentric setback. *Canadian Journal of Civil Engineering*, Vol. 21, 863-871.

UBC, (1988) Uniform building code, International Conference of Building Officials, Whittier, California.

Weaver, W., Brandow, G.E., (1971), Tier buildings with shear cores, bracing and setbacks. *Computers & structures*, Vol. 1, 57-83.

Wilkinson, S.M., Hiley, R.A., (2006), A non-linear response history model for the seismic analysis of high-rise framed buildings. *J Compstruc*, Vol. 84, 318-329.

Wilkinson, S., Thambiratnam, D., (2001), Simplified procedure for seismic analysis of asymmetric buildings, *Computers & structures*, Vol. 79, 2833-2845.

University of Moratuwa, Sri Lanka.

Wilson, E.L. (2002), Filtree dimensional static and dynamic analysis of structures, Computers and structures, tuc, Berkeley, California, USA.

Wimalaratne, K.D., (1993), The first earthquake recorded in Sri Lanka, *Daily News*, 23<sup>rd</sup> December.

Wong, C.M., Tso, W.K., (1994), Seismic loading for buildings with setbacks., *Can.J. Civ. Eng.*, Vol. 21, 863-871.

Xinzheng, L., Ning, Y., Jianjing, J., (2004), Application of computer simulation technology for structure analysis in disaster. *Automation in construction*, Vol.13, 597-606.

Yandzio, E., Gough, M., (1999), *Protection of buildings against explosions*, The Steel Consruction Institute, Berkshire.