

## REFERENCES

- Abrishami H. H. and Mitchell D. 1996. Analysis of bond stress distributions in pullout specimens. *Journal of Structural Engineering* :255-261.
- ACI Committee 318, Building Code Requirements for Structural Concrete and Commentary (2005), *American Concrete Institute*, Farmington Hills, Michigan.
- ACI-ASCE Committee 352, Recommendations for Design of Beam-Column Connections in Monotonic Reinforced Concrete Structures(2002). *American Concrete Institute*, Farmington Hills, Michigan.
- ATC. 1996 *Seismic Evaluation and Retrofit of Concrete Buildings*, ATC-40 Report, Applied Technology Council, Redwood City, California.
- Aycardi L.E., Mander J.B., and Reinhorn A.M. 1994. Seismic Resistance of Reinforced Concrete Frame Structure Designed only for Gravity Loads: Experimental Performance of Subassemblages. *ACI Structural Journal* 91(5): 552-563.
- Baglin P.S. and Scott R.H. 2000. Finite element modeling of reinforced concrete beam-column connections. *ACI Structural Journal* 2000(6): 886-894.
- Beres A., White R.N. and Gergely P., Pessiki S.P., El-Attar A. 1992. Behavior of Existing Non-Seismically Detailed Reinforced Concrete Frames. *Proc.of the 10<sup>th</sup> World Conference on Earthquake Engineering*, Balkema, Rotterdam.
- Bonacci J. and Pantazoupoulou S. 1993. Parametric Investigation of Joint Mechanics. *ACI Structural Journal* 90(1):61-71.
- Bracci J.M., Reinhorn A.M., and Mander J.B. 1992. Seismic Resistance Of Reinforced Concrete Frame Structure Designed only for Gravity Loads: Performance of Structure System. *ACI Structural Journal* 92(5):597-609.
- Comite Euro-International du Beton, 1994. *RC Frames under Earthquake Loading, State of the art Report*. Tomas Telford Inc.
- Calvi G. M., Magenes G., Pampanin S. 2002. Relevance of Beam Column Joint Damage and Collapse in RC Frame Assessment. *Journal of Earthquake Engineering* 2002(6):75-100.
- Chaimahawan P. and Pimanmas A. 2006. Seismic vulnerability of existing reinforced concrete buildings in Bangkok. *Proc. of the 5<sup>th</sup> International Symposium on New Technologies for Urban Safety of Megacities in Asia (USMCA)*, Phuket, Thailand.
- Chaimahawan P., Supaviriyakit T., and Pimanmas A. 2006. Behavior of full-scale precast concrete beam-column connection under cyclic load. *Proc. of the 10<sup>th</sup> East Asia-Pacific Conference on Structural engineering and construction (EASEC-10)*, Thailand.

- Cheejaroen, C. 2004. *Effects of bond deterioration on seismic behavior of R/C interior beam-column joints without seismic detailing*. Thesis No. ST-04-05, Asian Institute of Technology.
- Durrani A. J. and Wight J. K. 1985. Behavior of Interior Beam-to-Column Connections under Earthquake-Type Loading. *ACI Structural Journal* 82:343-349
- El-Attar A.G., White R.N., Gergely P. 1997. Behavior of Gravity Load Designed Reinforced Concrete Buildings Subjected to Earthquakes. *ACI Structural Journal* 94(2):133-145.
- Fattah A.B. and Wight K.J. 1987. Study of Moving Beam Plastic Hinging Zones for Earthquake-Resistant Design of R/C Buildings. *ACI Structural Journal* 84:181-190.
- Hanson N. W., and Conner H., W. 1967. Seismic Resistance of Reinforced Concrete Beam-Column Joints. *Journal of the Structural Division, Proceedings of the American Society of Civil Engineers* 93(5):533-560.
- Hanson N. W. and Conner H., W. 1972. Test of Reinforced Concrete Beam-Column Joints Under Simulated Seismic Loading. *Journal of the PCA Research and Development Laboratories* 72: 1-7.
- Hakuto S., Park R., and Tanaka H. 1999. Effect of bond deterioration of bond of beam bars passing through interior beam column joints on flexural strength and ductility. *ACI Structural Journal* 96(5):858-864.
- Hakuto S., Park R., and Tanaka H. 2000. Seismic Load Tests on Interior and Exterior Beam-Column Joints with Substandard Reinforcing Details. *ACI Structural Journal* 97(1):11-25.
- Hegger J., Sherif A., Roeser W. 2003. Nonseismic Design of Beam-Column Joint. *ACI Structural Journal* 100(5):654-664.
- Hegger J., Sherif A., Roeser W. 2004. Nonlinear Finite Element Analysis of Reinforced Concrete Beam-Column Connections. *ACI Structural Journal* 101: 604-614
- Hsu T. T. T. 1998. Softened Truss Model Theory for Shear and Torsion. *ACI Structural Journal* 85(6): 624-635.
- Hwang S.J., Lee H.J. 1999. Analytical Model for Predicting Shear Strength of Exterior Reinforced Concrete Beam-Column Joints for Seismic Resistance. *ACI Structural Journal* 96:846-858.
- Hwang S.J., Lee H.J. 2000. Analytical Model for Predicting Shear Strength of Interior Reinforced Concrete Beam-Column Joints for Seismic Resistance. *ACI Structural Journal* 97:35-42.
- Hong S.G., Lee S.G. 2004. Strut-and Tie Models for Deformation of Reinforced Concrete Beam-Column Joints dependent on Plastic Hinge Behavior of Beams. *Proc. of the 13<sup>th</sup> World Conference on Earthquake Engineering*, Vancouver.

Kashiwazaki T., Nagai Tomoyuki., Noguchi Hiroshi.1996. Parametric Study on the Shear Strength of RC Interior Beam-Column Joints using Finite Element Method. *Transactions of the Japan Concrete Institute* 18:275-282.

Kato B 1979. Mechanical properties of steel under load cycles idealizing seismic actions. *Proc. of AICAP-CEB Symposium on Structural Concrete under Severe Seismic Actions, Rome, Bulletin D Information*, 131: 7-27.

Kent, Dudley Charles and Park R. 1971. Flexural members with confined concrete.' *Proceeding ASCE*. 97,ST7 :1969-1990.

Kitayama K., Otani S. and Aoyama, H. 1987. Earthquake Resistant Design Criteria for Reinforced Concrete Interior Beam-Column Joints. *Proc of Pacific Conference on Earthquake Engineering*, Wairakei, New Zealand.

Kitayama K., Otani, S. and Aoyama H. 1991. Development of design criterion for RC interior beam column joints. *ACI SP-123*: 97-123

Kunnath S.K.,Hoffmann G., Reinhorn A.M. and Mander J.B. 1995. Gravity-Load – Designed Reinforced Concrete Buildings-Part I: Seismic Evaluation of Existing Construction. *ACI Structural Journal* 92:343-354.

Leon. R.T. 1990. Shear Strength and Hysteretic Behavior of Interior Beam-Column Joints. *ACI Structural Journal* 87(1):3-11

Li B., Wu Y., and Pan T.C. 2002. Seismic Behavior of Nonseismically Detailed Interior Beam-Wide Column Joints—Part I: Experimental Results and Observed Behavior. *ACI Structural Journal* 99(6):791-802

Li B., Wu Y., and Pan T.C. 2003. Seismic Behavior of Nonseismically Detailed Interior Beam-Wide Column Joints—Part II: Theoretical Comparisons and Analytical Studies. *ACI Structural Journal* 100(1):56-65

Lowes L.N. and A. Altoontash. 2003. Modeling the Response of Reinforced Concrete Beam-Column Joints. *Journal of Structural Engineering, ASCE*.129(12):1686-1697.

Maekawa, K., Pimanmas, A. and Okamura, H. 2003. *Nonlinear Mechanics of Reinforced Concrete* : Spon Press.

M.Elmosri, M.Reza Kianoush, and W.K.T 1998. Nonlinear Analysis of Cyclically Loaded RC Structures. *ACI Structural Journal* 95: 151-162

Norman W., Hanson and Harold W. Conner. 1972. Test of Reinforced Concrete Beam-column Joints Under Simulated Seismic Loading *PCA Research and Development Bulletin* :1-11

Norachan P. 2005. *Design improvement of R/C interior beam-column joints in low to moderate seismic risk regions*. Thesis No. ST-05-16, Asian Institute of Technology.

NZS 3101:1995, Design of Concrete Structures, *Standard association of New Zealand*, Wellington, New Zealand

Otani S., Kitayama K. and Aoyama, H. 1986. Beam Bar Bond Requirements for Interior Beam-Column Connections. *Proc. of Symposium on Fundamental Theory of Reinforced Concrete and Prestressed Concrete*. Nanjing Institute of Technology.

Park R. 1995. Recent Structural Concrete Research and Seismic Design Development in New Zealand. *Proc. of the 7th World Conference on Earthquake Engineering*, Montreal, Canada.

Park R. 2002. A Summary of Results of Simulated Seismic Load Tests on Reinforced Concrete Beam-Column Joints, Beams and Columns with Substandard Reinforcing Details. *Journal of Earthquake Engineering* 2002(6):147-174

Park R. and Paulay T. 1975. *Reinforced Concrete Structures* : John Wiley and Sons Inc.

Paulay T. and Priesley M.J.N. 1992. *Seismic Design of Reinforced Concrete and Masonry Buildings*. John Wiley and Sons Inc.

Paulay T., Park, R. and Priesley M.J.N. 1978. Reinforced Concrete Beam-Column Joints Under Seismic Actions. *ACI Journal* 78:585 – 593

Saatcioglu M., and Razvi S.R. 1992. Strength and Ductility of confined Concrete. *Journal of Structural Engineering* 118(6)

Shiohara H. 2001. New Model for Shear Failure of RC Interior Beam-Column Connections. *Journal of Structural Engineering* 127(2):152-160

Soroushian P. and Choi K.B. 1989. Local bond of deformed bars with different diameters in confined concrete. *ACI Structural Journal* 86: 217-222

Stehle J.S., Goldsworthy H., Mendis P. 2001. Reinforced Concrete Interior Winde-Band beam-Column Connections subject to Lateral Earthquake Loading. *ACI Structural Journal* 2001(98): 270-279

Supaviriyakit T, Pimanmas A and Warnitchai P. 2006. Effect of removing initial bond between beam bar and concrete on cyclic response of non-ductile beam-column joint. *Proc. of 10<sup>th</sup> East Asia-Pacific Conference on Structural engineering and construction (EASEC-10)*, Thailand.

Supaviriyakit T, Pimanmas A. and Warnitchai P. 2007. Cyclic response of non-seismically detailed interior RC beam-column connection with varying column tributary area. *Magazine of Concrete Research* 59(5):351-365

Supaviriyakit T and Pimanmas A 2007. Comparative performance of sub-standard interior reinforced concrete beam-column connection with various joint reinforcing details, *Materials and Structures* :15



Vecchio F. J., and Collins M. P. 1986. Modified Compression-Field Theory for Reinforced Concrete Elements Subjected to Shear. *ACI Structural Journal* 83 (2): 219-231

Viwanatepa S., Popov E.P., Bertero V.V. 1979. Seismic Behavior of Reinforced Concrete Interior Beam-Column Subassemblages. *Report No. UCB/EERC-79/14*, Earthquake Engineering Research Center, College of Engineering, University of California at Berkeley.

Warnitchai P., and Lisatono A. 1996. Probabilistic Risk Mapping In Thailand. *Proc. of the 10<sup>th</sup> World Conference on Earthquake Engineering*, Acapulco, Mexico.

Warnichai P 2004. Development of seismic design requirements for buildings in Bangkok against the effects of distant large earthquakes. *Proc. of the 13<sup>th</sup> World Conference on Earthquake Engineering*, Vancouver.

Warnitchai P., Pimanmas A. and Thinth D.T. 2004. Seismic performance of RC sub-assemblages with non-seismic reinforcement details. *Proc. of Asia Conference on Earthquake Engineering*, Manila, Phillipines.