

PUBLICATION RECORD

THE UNIVERSITY OF BRITISH COLUMBIA

April 18, 2011

Perry Adebar

signed: _____

1. REFERRED PUBLICATIONS

(a) Journals

1. Bohl, A. and Adebar, P., "Plastic Hinge Lengths in High-rise Concrete Shear Walls," *ACI Structural Journal*, March-April 2011.
2. Adebar, P., P. Bazargani, J. Mutrie, and D. Mitchell, "Safety of gravity-load columns in shear wall buildings designed to Canadian standard CSA A23.3, Vol. 37, No. 11, Nov. 2010, pp. 1451-1461.
3. Rad, B.R. and Adebar, P., "Seismic Design of High-rise Concrete Walls: Reverse Shear Due to Diaphragms Below Flexural Hinge," *ASCE Journal of Structural Engineering*, Vol. 135, No. 8, Aug. 2009, pp. 916-924.
4. Gerin, M., and Adebar, P., "Simple Rational Model for Reinforced Concrete Subjected to Seismic Shear," *ASCE Journal of Structural Engineering*, Vol. 135, No. 7, July 2009, pp. 753-761.
5. Esfandiari, A., and Adebar, P., "Shear Strength Evaluation of Concrete Bridge Girders," *ACI Structural Journal*, V. 106, No. 4, July-Aug. 2009, pp. 416-426.
6. Adebar, P., Ibrahim, A.A., and Bryson, M., "Test of High-rise Core Wall: Effective Stiffness for Seismic Analysis," *ACI Structural Journal*, Vol. 104, No. 5, Sept.-Oct. 2007, pp. 549-559.
7. Adebar, P., "Drift capacity of walls accounting for shear: the 2004 Canadian code provisions," *Deformation Capacity and Shear Strength of Reinforced Concrete Members Under Cyclic Loading*, ACI SP 236, 2006, pp. 151-170.
8. Adebar, P., Mutrie, J., DeVall, R., "Ductility of concrete walls: the Canadian seismic design provision 1984 to 2004," *Canadian Journal of Civil Engineering*, Vol. 32, No. 6, Dec. 2005, 1124-1137.
9. Adebar, P., "Discussion of an evaluation of pile cap design methods in accordance with the Canadian design standard," *Can. J. of Civil Eng.*, Vol 31, No. 4, Dec. 2004, 1123-1126.
10. Ibrahim, A.M.M., and Adebar, P., "Effective Flexural Stiffness for Linear Seismic Analysis of Concrete Walls," *Canadian Journal of Civil Engineering*, Vol 31, No. 3, Aug 2004, 597-607.
11. Adebar, P., and Ibrahim, A.M.M., "Simple Non-linear Flexural Stiffness Model for Concrete Shear Walls," *Earthquake Spectra*, EERI, Vol. 18, No. 3, Aug. 2002, pp. 407-426.
12. Adebar, P., "Diagonal Cracking and Diagonal Crack Control in Structural Concrete," *Design and Construction to Mitigate Cracking*, ACI-SP 204, April 2001, pp. 85-116.
13. Adebar, P., "One-way shear strength of large footings," *Canadian Journal of Civil Engineering*, Vol. 27, No. 3, June 2000, pp. 553-562.
14. Adebar, P., and Mutrie, J.G., "Discussion of proposed revisions to ACI 318-95," *Concrete International*, ACI, Vol 21, No. 5., 1999.
15. Adebar, P., and van Leeuwen, J., "Side-Face Reinforcement for Flexural and Diagonal

- Cracking in Large Concrete Beams,” *ACI Structural Journal*, V. 96, No. 5, Sept.- Oct. 1999, pp. 693-704.
16. **Adebar, P.**, and Reineck, K-H., “Members Without Transverse Reinforcement,” Chapt. 4 of ASCE-ACI Committee 445 Report on Recent Approaches to Shear Design of Structural Concrete, *ASCE Journal of Structural Eng.*, Vol. 124, No. 12, Dec. 1998, pp. 1394-1402.
 17. Gerin, M., and **Adebar, P.**, “Filtering Analysis Output Improves the Design of Concrete Structures,” *ACI Concrete International*, Vol. 20., No. 12, Dec. 1998, pp. 21-26.
 18. van Leeuwen, J., and **Adebar, P.** “Full-scale test of concrete-steel bridge girder,” *Canadian Journal of Civil Engineering*, Vol. 25, No. 1, Jan.-Feb. 1998, pp. 96-103.
 19. **Adebar, P.**, and van Leeuwen, J. “Flexural behaviour of concrete-steel bridge girder,” *Canadian Journal of Civil Engineering*, Vol. 25, No. 1, Jan.-Feb. 1998, pp. 104-112.
 20. Collins, M.P., **Adebar, P.**, Seabrook, P.T., Kuchma, D., and Sacre, P., “External Repair of Cracked Grain Silos,” *ACI Concrete International*, Vol. 19, No. 11, November 1997, feature article: front cover and pp. 22-28.
 21. **Adebar, P.**, and van Leeuwen, J., “Shear strength of concrete-steel hybrid girders,” *Canadian Journal of Civil Engineering*, Vol. 24, No. 1, Feb. 1997, pp. 122-134.
 22. **Adebar, P.**, Mindess, S., St. Pierre, D., and Olund, B., “Shear Tests of Fiber Concrete Beams Without Stirrups,” *ACI Structural Journal*, Vol. 94, No. 1, Jan.-Feb. 1997, pp. 68-76.
 23. **Adebar, P.**, and Zhou, Z., “Design of Deep Pile Caps by Strut-and-Tie Models,” *ACI Structural Journal*, Vol 93, No. 4, July-Aug. 1996, pp. 437-448.
 24. Collins, M.P., Mitchell, D., **Adebar, P.**, and Vecchio, F.J., “A General Shear Design Method,” *ACI Structural Journal*, Vol 93, No. 1, Jan.-Feb. 1996, pp. 36-45 (*this paper was awarded the 1998 ACI Structural Research Award*).
 25. **Adebar, P.**, and Collins, M.P., “Shear Strength of Members Without Stirrups,” *Canadian Journal of Civil Engineering*, Vol. 23, No. 1, Feb. 1996, pp. 30-41.
 26. **Adebar, P.**, and Collins, M.P., “Sectional Analysis of Concrete Structures by Computer,” *ACI Concrete International*, Vol. 17, No. 12, Dec. 1995, pp. 34-39.
 27. **Adebar, P.**, “Testing Structural Concrete Beam Elements,” *RILEM: Materials and Structures*, Vol. 27, No. 172, Oct. 1994, pp. 445-451.
 28. **Adebar, P.**, Foschi, R.O., Yao, F., “Predicting Strength Variability of Concrete Offshore Structures,” *Journal of Structural Engineering*, ASCE, Vol. 120, No. 7, July, 1994, pp. 2108-2122.
 29. **Adebar, P.**, and Collins, M.P., “Shear Design of Concrete Offshore Structures,” *ACI Structural Journal*, Vol. 91, No. 3, May-June 1994, pp. 324-335.
 30. **Adebar, P.**, and He, W., “Influence of Membrane Forces on Transverse-Shear Reinforcement Design,” *Journal of Structural Engineering*, ASCE, Vol. 120, No. 4, April, 1994, pp. 1347-1366.
 31. **Adebar, P.**, and Zhou, Z., “Bearing Strength of Concrete Compression Struts,” *ACI Structural Journal*, Vol. 90, No. 5, Sept.-Oct. 1993, pp. 534-541.
 32. **Adebar, P.**, “Discussion of Design of Concrete Slabs for Transverse Shear” *ACI Structural Journal*, Vol. 88, No. 1, Jan.-Feb. 1991, pp. 117-118.

33. **Adebar, P.**, Kuchma, D., and Collins, M.P., "Strut and Tie Models for the Design of Pile Caps: An Experimental Study," *ACI Structural Journal*, Vol. 87, No. 1, Jan.-Feb. 1990, pp. 81-92.
- (b) Conference Proceedings**
34. **Esfandiari, A. and Adebar, P.**, "Flexure - Shear Strength Interaction of Squat Shear Walls," Oral presentation at 9th US National and 10th Canadian Conference on Earthquake Engineering, Toronto, July 2010, 10 pp. on CD-Rom.
35. **Bazargani, P. and Adebar, P.**, "Seismic Demands on Gravity Columns in Concrete Shear Wall Buildings," Oral presentation at 9th US National and 10th Canadian Conference on Earthquake Engineering, Toronto, July 2010, 10 pp. on CD-Rom.
36. **Dezhdar, E., and Adebar, P.**, "Influence of Nonlinear Force-Displacement Response of Concrete Walls on Effective Stiffness for RSA," Oral presentation at 9th US National and 10th Canadian Conference on Earthquake Engineering, Toronto, July 2010, 10 pp. on CD-Rom.
37. **Adebar, P.**, "Design of High-rise Core-wall Buildings: A Canadian Perspective," 14th World Conference on Earthquake Engineering, Beijing China, Oct. 12-17 2008, CD Rom, 8 pp.
38. **Rad, B.R. and Adebar, P.**, "Dynamic Shear Amplification in High-rise Concrete Walls: Effect of Multiple Flexural Hinges and Shear Cracking," 14th World Conference on Earthquake Engineering, Beijing China, Oct. 12-17, 2008, CD Rom, 8 pp.
39. **Devine, F., Olund, O., Elwood, K., and Adebar, P.** "Seismic Performance of Concrete Tilt-up Buildings: Current Wall-to-Slab Connections," 14th World Conference on Earthquake Engineering, Beijing China, Oct. 12-17, 2008, CD Rom, 8 pp.
40. **Esfandiari, A. and Adebar, P.**, "Shear Strength Evaluation of Structural Concrete Girders With Less Than Minimum Stirrups," 2008 Concrete Bridge Conference, May 2008, St. Louis MO, CD Rom paper, 20 pp.
41. **Bohl, A., and Adebar, P.**, "Plastic Hinge Length of Concrete Wall Systems," 9th Canadian Conference on Earthquake Engineering, Ottawa, June 2007, pp. 1301-1309.
42. **Adebar, P.**, and Rad, B.R., "Seismic Shear Force Distribution in High-rise Concrete Walls," 9th Canadian Conference on Earthquake Engineering, Ottawa, June 2007, pp. 1330-1340.
43. **Adebar, P.**, Korchinski, A., and Haukaas, T., "Influence of Ground Motion on Effective Stiffness of High-Rise Cantilever Walls, 9th Canadian Conference on Earthquake Engineering, Ottawa, June 2007, pp. 1310-1319.
44. **Gerin, M., and Adebar, P.**, "Seismic Shear Model for Non-linear Dynamic Analysis of Concrete Shear Wall Buildings, 9th Canadian Conference on Earthquake Engineering, Ottawa, June 2007, pp. 1341-1350.
45. **Adebar, P.**, Sofali, V., Spilchen, W., Davis, H., Sacks, J., and Sacks, A., "Shear Wall Tests on Stucco with Direct Shear Connectors," 8th US National Conference on Earthquake Engineering, San Francisco, April 2006, CD Rom Paper No. 1046, 10 pp.
46. **Rad, B.R. and Adebar, P.**, "Shear Demand on High-Rise Concrete Walls: Influence of Diaphragms Below Grade," 8th US National Conference on Earthquake Engineering, San Francisco, April 2006, CD Rom Paper No. 732, 10 pp.

47. White, T., and **Adebar, P.**, “Estimating Inelastic Drift Demands of Concrete Walls,” 8th US National Conference on Earthquake Engineering, San Francisco, April 2006, CD Rom Paper No. 1073, 10 pp.
48. **Adebar, P.**, “High-rise concrete wall buildings: utilizing unconfined concrete for seismic resistance,” ConMat’05 International Conference, Vancouver, Aug. 2005, 13 pp.
49. **Adebar, P.**, Mutrie, J.G., DeVall, R., “Displacement-based Design of Concrete Wall Buildings: the 2004 Canadian Code Provisions,” 13th World Conf. on Earthquake Eng., Vancouver, Aug. 2004, CD Rom Paper No. 1047, 14 pp.
50. Gerin, M., and **Adebar, P.**, “Accounting for Shear in Seismic Analysis of Concrete Structures,” 13th World Conf. on Earthquake Eng., Vancouver, Aug. 2004, CD Rom Paper No. 1747, 13 pp.
51. **Adebar, P.**, Guan, Z., and Elwood, K., “Displacement-based Design of Concrete Tilt-up Frames Accounting for Flexible Diaphragms,” 13th World Conf. on Earthquake Eng., Vancouver, Aug. 2004, CD Rom Paper No. 1054, 15 pp.
52. White, T., and **Adebar, P.**, “Estimating Rotational Demands in High-rise Concrete Wall Buildings,” 13th World Conf. on Earthquake Eng., Vancouver, Aug. 2004, CD Rom Paper No. 939, 15 pp.
53. Mitchell, D., Mutire, J.G., **Adebar, P.**, and Paultre, P., “Proposed Seismic Design Provisions of A23.3 – Design of Concrete Structures,” Proceedings of CSCE Conf., Moncton NB, June 2003, CD Rom paper GCF-533, 10 pp.
54. **Adebar, P.** and White, T., “Seismic Design of High-Rise Coupled Wall Buildings: Ductility of Coupling Beams,” 7th US Conference on Earthquake Engineering, Boston, July 2002, CD 10 pp.
55. Gerin, M. and **Adebar, P.**, “A Rational Approach to Seismic Shear in Reinforced Concrete,” 7th US Conference on Earthquake Engineering, Boston, July 2002, CD Rom, 9 pp.
56. McEwen, W., Wibowo, A., **Adebar, P.**, and Anderson, D., “Effect of Veneer Joint Reinforcement on Brick Tie Embedment,” 9th Canadian Masonry Symp., June 2001, Fredericton, NB, CD 13 pp.
57. Gerin, M., and **Adebar, P.**, “A Rational Model for Reinforced Concrete Members Subjected to Seismic Shear,” Proceedings of 12th World Conference on Earthquake Engineering, Auckland, New Zealand, Feb. 2000.
58. Ibrahim, A.M.M., **Adebar, P.**, “Effective Rigidity of Structural Walls in High-Rise Buildings,” Proceedings of the 3rd Structural Specialty Conference, CSCE, London, June 2000, pp. 28-35.
59. Mutrie, J., **Adebar, P.**, and Leung, K “Design of High-rise Concrete Shear Wall Buildings: Canadian vs. U.S. Practice,” Proceedings of 2000 Structural Engineers Association of California (SEAOC) Annual Conference, August 2000, pp. 169-179.
60. **Adebar, P.**, Mutrie, J., Ibrahim, A., “Inelastic Static Analysis to Evaluate the Ductility of Coupled Walls in a Tall Building,” 8th Canadian Conference on Earthquake Eng., June 1999, pp. 421-426.
61. Gerin, M., and **Adebar, P.**, “Important Issues in the Seismic Shear Response of Reinforced Concrete,” 8th Canadian Conference on Earthquake Engineering, June 1999, pp. 457-462.
62. Mindess, S., **Adebar, P.**, and Henley, J., “Testing of Fiber Reinforced Structural Concrete Elements,” High Performance Concrete: Design and Materials and Recent Advances in

- Concrete Technology, Proceedings of Third CANMET/ACI International Conference, Kuala Lumpur, Malaysia, Dec. 1997, pp. 495-515.
63. Ventura, C.E., and **Adebar, P.**, “Modal Properties and Damage Detection of a Concrete-Steel Hybrid Girder Bridge,” 15th International Modal Analysis Conference, Orlando, Feb. 1997, pp. 1103-1109.
 64. **Adebar, P.**, Roux, S., Webster, S., and Anderson, D.L., “Seismic Shear Response of Structural Concrete Elements,” Proceedings of 7th Canadian Conference on Earthquake Engineering, Montréal, June 1995, pp. 493-500.
 65. **Adebar, P.**, and Zhou, Z., “Design of Deep Pile Caps Using Strut-and-Tie Models,” ASCE Structures Congress XIII, Boston, Apr. 1995.
 66. Allyn, N., Yee, S., and **Adebar, P.**, “A Verification Study of the New Canadian Standard for Concrete Offshore Structures,” The 11th International Offshore Mechanics and Arctic Engineering Conference, *Proceedings*, Vol. IV, Arctic/Polar Technology, Calgary, June 1992, pp. 35-49.
 67. **Adebar, P.**, and Webster, S., “The Shear Strength of Members With Previously Existing Diagonal Cracks,” Proc. of CSCE Conference, Vol. IV, Québec City, May 1992, pp. 31-39.
 68. Fronteddu, L., and **Adebar, P.**, “The Response of Structural Concrete to Axial Tension,” Proceedings of the Annual CSCE Conference, Vol. IV, Québec City, May 1992, pp. 89-98.
 69. **Adebar, P.**, and Zhou, Z., “Shear Design Using Strut and Tie Models: Failure of Concrete Compression Struts,” Proceedings of the Annual CSCE Conference, Vol. III, Vancouver, May 1991, pp. 41-50.
 70. **Adebar, P.**, and Collins, M.P., “A Consistent Shear Design Model for Concrete Offshore Structures,” *IABSE Colloquium Report*, Vol. 62, Stuttgart, April 1991, pp. 513-518.
 71. Collins, M.P., Vecchio, F.J., **Adebar, P.**, and Mitchell, D., “A Consistent Shear Design Model,” *IABSE Colloquium Report*, Vol. 62, Stuttgart, April 1991, pp. 457-465.
 72. Collins, M.P., and **Adebar, P.**, “Shear Design of Complex Reinforced Concrete Structures,” The Eleventh Australian Conference on Mechanics of Structures and Materials, *Proceedings*, Auckland, Aug. 1988, pp. 145-150.

(c) Other

Conference Presentations with Refereed Abstracts

73. **Adebar, P.**, “Seismic Shear Design of Structural Concrete Walls: The 2004 Canadian Code Provisions,” Presentation at Session on Shear Strength of RC Members Under Seismic Loading, ACI Convention, San Francisco, Oct. 27, 2004.
74. Hindi, R., **Adebar, P.**, and Sexsmith, R.G., “Damage of a Diagonally Reinforced Coupling Beam,” Open Paper Session, ACI Convention, Dallas TX, Oct. 2001.
75. **Adebar, P.**, “Controlling Service Load Web Cracks in Large Hybrid Bridge Girders, Practices to Mitigate Cracking, ACI Convention, San Diego, March 2000.
76. Ibrahim, A.M., and **Adebar, P.**, “Effective Flexural Stiffness of Concrete Walls in High-Rise Buildings,” Open Paper Session, ACI Convention, San Diego, March 2000.

77. **Adebar, P.**, Henley, J., and Mindess, S., “Structural Concrete Members With Hooked Steel Fiber,” Session on Structural Application of Fiber, ACI Convention, Seattle, April 1997.
78. **Adebar, P.**, “Members Without Transverse Reinforcement,” Session on New Approaches for Shear Design, ACI Convention, Montreal, Nov. 1995.
79. **Adebar, P.**, Webster, S., Roux, S., and Anderson, D., “Seismic Shear Response of Concrete Bridge Components,” Presented at the Technical Session on Earthquake Design of Concrete Bridges, ACI Convention, San Francisco, March 1994.
80. Zhou, Z., and **Adebar, P.**, “Bearing Strength of Concrete Compression Struts,” Presented at the Open Paper Session, ACI Convention, Vancouver, March 1993.
81. **Adebar, P.**, and Collins, M.P., “Out-of-Plane Shear Design of Reinforced Concrete Offshore Structures,” Presented at the Special Session on Innovations in Shear Design, ACI Convention, Toronto, March 1990.
82. **Adebar, P.**, Kuchma, D., and Collins, M.P., “Strut-and-Tie Models for the Design of Pile Caps,” Presented at the Session on Structural Behaviour and Testing, ACI Convention, San Diego, Oct. 1989.

2. NON-REFERRED PUBLICATIONS

News Paper Articles

83. **Adebar, P.**, “Earthquake Alert: How Safe are the High-rise Buildings in B.C.?” *Vancouver Sun*, Saturday February 5, 2011.

Technical Publications

84. **Adebar, P.**, “Seismic Design of Concrete Buildings,” *Structural Engineers Association of BC Newsletter*, pp. 11 to 14. Issue 13, Feb. 2011.
85. **Adebar, P.**, “Reinforced and prestressed concrete design: the complete process,” Book Review, *Canadian Journal of Civil Engineering*, Vol. 23, No. 4, Aug. 1996, pp. 986.

Technical Reports

86. **Adebar, P.**, “Shear Design of Concrete Buildings,” Notes from the design seminar presented to Read Jones Christoffersen Ltd., March 2002, 69 pp. (Includes previously unpublished research results)
87. **Adebar, P.**, “Cracking of Prestressed Concrete Piles for Bremerton Naval Structure,” Report to Borden Ladner Gervais LLP, Oct. 2001, 8 pp.
88. **Adebar, P.**, “Design of Coupled-Walls for Lincoln Square,” Report to City of Bellevue and Peer Review Consultant, August 8, 2000, 17 pp. plus appendices.
89. **Adebar, P.**, “Required Spacing of Stucco Wire to Meet the Requirement of NBCC,” Letter to Structawire Corp., July 9, 2000, 2 pp.
90. **Adebar, P.**, “Furring of Stucco Wire Mesh in Los Angeles,” Letter to Sacks Industrial Corp., May 15, 2000, 2 pp.

91. **Adebar, P.**, and Ibrahim, A.M.M, "Effective Stiffness of Concrete Walls in High-Rise Buildings," Report distributed to the Vancouver Structural Engineers Group Society, April 13, 2000, 35 pp.
92. **Adebar, P.**, "Sinclair Centre," Expert Evidence Report in The Attorney General of Canada v. Ellis-Don Ltd. et al. S.C.B.C. No. C967325, Sept. 1999, 17 pp. plus appendices.
93. **Adebar, P.**, "Experimental Investigation of Prestressed I-Girders With Large Circular Web Openings," Report to Fletcher Challenge Canada Limited, Sept. 1998, 82 pp.
94. **Adebar, P.**, "Cracking and Safety of No. 5 Paper Machine Room Roof Girders," Report to Fletcher Challenge Canada Limited, Dec. 1997, 57 pp.
95. **Adebar, P.**, and van Leewen, J., "Service Load Cracking of Concrete-Steel Hybrid Bridge Girders," Department of Civil Engineering, Report, June 1997, 190 pp.
96. **Adebar, P.**, "Computer Program SHELL474 Version 5.3," Report to National Energy Board of Canada, Feb. 1997, 41 pp.
97. **Adebar, P.**, and van Leeuwen, J., "An Experimental Investigation of Concrete-Steel Hybrid Bridge Girders," Department of Civil Engineering, Report, June 1996, 238 pp.
98. **Adebar, P.**, "SHELL474 Version 5.2," Report to National Energy Board of Canada, March 1996, 250 pp.
99. **Adebar, P.**, "Retaining Wall Failure at 3000 Henry Street, Port Moody," Letter to Lawson, Lundell, Lawson and McIntosh, March 3, 1996, 17 pp.
100. **Adebar, P.**, "Development of SHELL474 Version 5.1," Report to the National Energy Board of Canada, March 1995, 103 pp.
101. **Adebar, P.**, "Structural Factors Contributing to Retaining Wall Collapse: 3000 Henry Street, Port Moody," Confidential Report to Jones, Kwong, Kishi Ltd., May 19, 1994, 7 pp.
102. **Adebar, P.**, "Further Development of Program SHELL474," Report to the National Energy Board of Canada, March 1994, 130 pp.
103. Allyn N., Cichanski, W.J., and **Adebar, P.**, "Verification of CSA Code for Fixed Concrete Offshore Structures," Canadian Standards Assoc. Project G-2B Report, National Energy Board, 1992, 110 pp.
104. Collins, M.P., **Adebar, P.**, and Kirschner, U., "SHELL474 A Computer Program to Determine the Sectional Resistance of Concrete Offshore Structures in Accordance with CSA Standard S474-M89", Canadian Standards Association Verification Project No. E-2 Report, Mar. 1989, 85 pp.
105. Collins, M.P., Marti, P., and **Adebar, P.**, "Shell Elements Subjected to Out-of-Plane Shear: A Pilot Study for Norsk Hydro," Report, Dec. 1986, 227 pp.

6. PATENTS

Adebar, P., Davis, H., Spilchen, W., and Sacks, A., “Stucco Fastening System,” United States Patent 6668501, Dec. 30, 2003.

8. MEDIA APPEARANCES

The Bill Good Show, CKNW AM 980 Radio, “BC Buildings Not Quake Ready,” 15 minute radio talk show interview on the damage expected to buildings during a large earthquake, March 14, 2011.

CTV News, “Mayor admits many Vancouver buildings vulnerable,” Provided expert opinion on damage expected to Vancouver buildings in an earthquake, February 11, 2011.

Richmond Review, “Chile Earthquake Still Serves Lessons,” Provided expert opinion on damage expected to Richmond buildings during a large earthquake, February 2, 2011.

CTV BC News (Lead story), “New B.C. highrises at risk in event of major quake: study,” Presented latest research on thin concrete shear walls, Jan. 26, 2011.

CTV National News Network, On-camera interview on safety of existing high-rise buildings in British Columbia, January 26, 2011.

Discovery Channel – Daily Planet Show (lead story), Latest Research on Thin Concrete Walls, 10 min. segment played across Canada highlighting recent research results, January 26, 2011.

Professor Talk on CiTR FM 109.8 Radio, “Seismic Design of Buildings,” 30 minute interview, January 25, 2011.

CTV News, “Sinkhole won't be repaired until after Christmas,” Provided expert opinion (quoted on air by reporter), Dec. 16, 2010 5:39 PM PT.

CTV News, “Demolition company has history with WorkSafe BC” Provided expert opinion on camera about building demolition, June 14, 2010 6:06 PM PT.

CTV News, “Politicians say B.C. buildings are ready for quake,” Expert opinion on damage observed in Chile. May 28, 2010 8:38 PM PT.

Discovery Channel Canada, “Monster Quake Will We Survive,” One of the experts featured on a 60 minute documentary about lessons learned from the 2010 Chile Earthquake, Premiered May 27, 2010 in Canada; premiered September 30, 2010 in UK.

The Vancouver Sun, “A church gathers and heals after concert accident,” Provided expert opinion on rhythmic motion contributing to collapse of a wood floor. April 28, 2008.