Refereed Publications G. McClure (2006-2013)

Refereed Journal Publications

J1 Hafeez, G.[1], Mustafa, A., Doudak, G., and McClure, G. 2013. Predicting Lateral Drift and Fundamental Period of Light-Frame Wood Buildings. ASCE Journal of Performance of Constructed Facilities. 10.1061/(ASCE)CF.1943-5509.0000519 (Posted online Oct. 2, 2013).

J2 Keyhan, H. McClure, G., and Habashi, W.G. 2013. Dynamic analysis of an overhead transmission line subject to gusty wind loading predicted by wind-conductor interaction. *Computers & Structures*. 122: 135-144.

J3 Mirshafiei, F., McClure, G., and Farzaneh, M. 2013. Modelling the dynamic response of iced transmission lines subjected to cable rupture and ice shedding. IEEE Transactions on Power Delivery. 28(2): 948-954.

J4 Borna, A., Habashi, W.G., McClure, G., and Nadarajah, S.K. 2013. CFD-FSI simulation of vortex-induced vibrations of a circular cylinder with low mass-damping. *Journal of Wind and Structures*. 16(5): 411-431.

J5 Ghafari Oskoie, S.A., Ghafari Osgoie, M., and McClure, G. 2013. Validation of a linearized seismic analysis method for tall communication masts. *Journal of Civil Engineering and Science (JCES)*. 2(3): 163-179.

J6 Doudak, G., Smith, I. and McClure, G. 2012. Modeling force flows in wood buildings. *Electronic Journal of Structural Engineering*, 12(1): 37-44.

J7 Tischer, H., Mitchell D., and McClure, G. 2012. Comparison of North American Seismic Screening Methods Applied to School Buildings. *Journal of Civil Engineering and Architecture*, 6(7): 799-811.

J8 Gilles, D., and McClure, G. 2012. Measured natural periods of concrete shear walls buildings: Insights for the design of Canadian buildings. *Can. J. of Civil Engineering*, 39(8): 867-877.

J9 Ghafari Oskoei, S.A., and McClure, G. 2012. A new robust linearized seismic analysis method for tall guyed telecommunication masts. *ASCE J. of Structural Engineering*, 138(4): 502-513.

J10 Doudak, G., McClure, G., and Smith, I. 2012. Experimental evaluation of load paths in light-frame wood structure. *ASCE Journal of Structural Engineering*, 138(2): 258-265.

J11 Keyhan, H., McClure, G., and Habashi, W.G. 2011. Computational study of surface roughness and ice accumulation effects on wind loading of overhead line conductors. *International Review of Civil Engineering (IRECE)*, 2(4): 208-214.

J12 Gilles, D., McClure G., and Chouinard, L. 2011. Uncertainty in predicting the fundamental period leads to inaccurate design seismic forces. *Can. J. of Civil Engineering*, 38: 870-880.

J13 Jiang, W.Q., Wang, Z.Q., McClure, G, Wang, G.L., and Geng, J.D. 2011. Accurate Modelling of Joint Effects in Lattice Transmission Towers. *Engineering Structures*, 33(2011): 1817-1827.

[1] Names of supervised students are underlined.

J14 Ghafari Oskoei, SA, and McClure, G. 2011. A novel approach to evaluate the equivalent dynamic stiffness of guy clusters in telecommunication masts under ground excitation, *Engineering Structures*, 33(2011): 1764-1772.

J15 Huang, W.C., McClure, G., and Mak, L.M. 2010. Seismic Resistant Wall-supported Cabinets with Silicone Glue, *Journal of Architecture Science (ArS),* Architecture Institute of the Republic of China, No. 2 (December); 15-33.

J16 McClure, G., and Huang, W.C. 2010. Seismic Performance of Demountable Architectural Partitions without Top Restraint, *Journal of Architecture Science (ArS),* Architecture Institute of the Republic of China, No. 1 (June); 23-39.

J17 Peabody, AB, and McClure, G. 2010. Modeling the EPRI-Wisconsin Power and Light Broken Wire Tests, *IEEE Transactions on Power Delivery*, 25(3): 1826-1833.

J18 Doudak, G., McClure, G., Smith, I, and Stathopoulos, T. 2009. Comparison of Field and Wind Tunnel Pressure Coefficients for a Light-Frame Industrial Building. *ASCE Journal of Structural Engineering*, 135(10), 1301-1304.

J19 Neurohr, T., and McClure, G. 2008. Shake table testing of museum display cases. *Canadian Journal of Civil Engineering*, 35: 1-12.

J20 Ghafari Oskoei, S.A., and McClure, G. 2008. Dynamic analysis of cable roofs under transient wind: A comparison between time domain and frequency domain approaches. *Tsinghua Science and Technology*, 13(S1): 53-57.

J21 Faridafshin, F., and McClure, G. 2008. Seismic response of tall guyed masts to asynchronous multiple-support and vertical ground motions. *ASCE J. of Structural Engineering*, 134(8): 1374-1382.

J22 Assi, R., and McClure, G. 2007. A simplified method for seismic analysis of rooftop telecommunication towers. *Canadian Journal of Civil Engineering*, 34: 1-12.

J23 Kálmán, T., Farzaneh, M., and McClure, G. 2007. Numerical analysis of the dynamic effects of shock-load-induced ice shedding on overhead ground wires. *Computers & Structures*, 85: 375-384.

J24 Lee, P.-S., and McClure, G. 2007. Elastoplastic large deformation analysis of a lattice tower structure and comparison with full-scale tests. *International Journal of Constructional Steel Research*, 63(5): 709-717.

J25 Doudak, G., Smith, I., McClure, G., Mohammad M., and Lepper, P. 2006. Tests and Finite Element Models of Wood Light-frame Shear Walls with Openings, *Progress in Structural Engineering and Materials*, 8: 165-174.

J26 Lee, P.-S., and McClure, G. 2006. A general three-dimensional L-section beam finite element for elastoplastic large deformation analysis. *Computers & Structures*, 84: 215-229.

Contributions to Peer-Reviewed Industry Design Guidelines

IG1 McClure, G. (Working Group Leader). 2012. Mechanical Security of Overhead Lines - Containing Cascading Failures and Mitigating Their Effects. *CIGRÉ Technical Brochure 515*. International Council on Large Electrical Systems. Working Group B2.22, 80 p. ISBN: 978-2-85873-208-1.

IG2 McClure, G. Member of CIGRÉ Working Group B2.39. 2012. Overhead Line Design Guidelines for Mitigation of Severe Wind Storm Damage. *CIGRÉ Technical Brochure 485,* International Council on Large Electrical Systems. 38 p. ISBN: 978-2-85873-177-0.

IG3 McClure, G. (Task Group Leader). 2008. How overhead lines respond to localized high intensity winds Basic understanding. *CIGRÉ Technical Brochure 350*, International Council on Large Electrical Systems. Working Group B2.06.09, 77p. ISBN: 978-2-85873-037-7.

IG4 McClure, G. 2008. How overhead lines respond to localized high intensity winds Basic understanding. *Electra*, no. 238-5 (June), International Council on Large Electrical Systems, TF B2.06.09, 6 p.

IG5 McClure, G. 2006. ADINA Modeling guide and benchmark tests for component failure analysis in overhead line sections. CEA Technologies Inc. Report No. T043700-3319A, Montréal, Canada. 85 p.

Publications in Refereed Conference Proceedings

RC1 Asgarian, A., and McClure, G. 2014. Experimental floor response spectra for seismic evaluation of operational and functional components of buildings. *Structural Specialty Conference Paper CST-044. Canadian Society for Civil Engineering (CSCE) Annual Conference.* Halifax, NS, 28-31 May 2014. (under review).

RC2 Asgarian, A., Mirshafiei, F., and McClure, G. 2014. Seismic assessment of buildings and their OFCs using AVM and experimental FRS. *9th International Conference on Structural Dynamics*, Porto, Portugal, 30 June – 2 July 2014. (under review).

RC3 McClure, G., Keyhan, H., and Habashi, W.G. 2014. A simplified procedure for modeling gusty wind effects on overhead transmission lines using CFD. *9th International Conference on Structural Dynamics*, Porto, Portugal, 30 June – 2 July 2014. (under review).

RC4 McClure, G., Kunpeng, Ji, and Xiaoming Rui. 2014. An Integrated Ice-Shedding Model of Electric Transmission Lines with Consideration of Ice Adhesive/Cohesive Failure. *9th International Conference on Structural Dynamics*, Porto, Portugal, 30 June – 2 July 2014. (under review).

RC5 Huang, W.C., and McClure, G. 2013. Experimental Study on the Seismic Performance of Suspended Ceiling Systems in Interaction with Partition Walls. *Proc. International Conference on Earthquakes and Structures (ICEAS13), World Congress on Advances in Structural Engineering and Mechanics (ASEM13),* Jeju, Korea, 8-12 September.

RC6 Boutin, M., Proulx, J., Mestar, M., Nollet, M.-J., Tischer, H., McClure, G., and Paultre, P. 2013. Dynamic characterization of URM school buildings in Quebec. *Proc. 12th Canadian Masonry Symposium*, Vancouver, Canada, 2-5 June.

RC7 Youance, S., Nollet, M.-J., and McClure, G. 2013. Analyse de la défaillance fonctionnelle des composants non structuraux d'un système de protection incendie d'un hôpital sous l'effet d'un séisme. *Proc. 3rd Specialty Conf. On Disaster Prevention and Mitigation*, Canadian Society for Civil Engineering (CSCE) Annual Conference, Montréal, Canada, 29 May – 1 June. DIS-018.

RC8 Huang, W.-C., Hussainzada, N., and McClure, G. 2013. Experimental study on the seismic behaviour of suspended ceilings. *Proc. 3rd Specialty Conf. On Disaster*

Prevention and Mitigation, CSCE Annual Conference, Montréal, Canada, 29 May – 1 June. Paper DIS-028.

RC9 Mirshafiei, F., McClure, G., and Lignos, D. 2013. Seismic assessment of irregular low-rise buildings based on a 3-dimensional simplified method. *Proc. 3rd Specialty Conf. On Disaster Prevention and Mitigation*, CSCE Annual Conference, Montréal, Canada, 29 May – 1 June. Paper DIS-041.

RC10 Ji, K., Xiaoming, R., Lin, L., and McClure, G. 2013. A novel ice-related disaster regional mapping method for electric networks based on Grey clustering theory and field incident records. *Proc. 3rd Specialty Conf. On Disaster Prevention and Mitigation*, CSCE Annual Conference, Montréal, Canada, 29 May – 1 June. Paper DIS-046.

RC11 Mestar, M., Nollet, M.-J., Bourgeon, F., Proulx, J., and McClure, G. 2013. Procédure à 3-niveaux pour l'évaluation sismique des écoles au Québec. *Proc. 3rd Specialty Conf. On Disaster Prevention and Mitigation*, CSCE Annual Conference, Montréal, Canada, 29 May – 1 June. Paper DIS-054.

RC12 Qi, G., and McClure, G. 2013. Advanced computational stress analysis of a stranded overhead line conductor under fretting fatigue conditions. *Proc. 3rd Specialty Conf. On Materials Engineering and Applied Mechanic*s, CSCE Annual Conference, Montréal, Canada, 29 May – 1 June. Paper MEC-067.

RC13 Bouras, E., and McClure, G. 2012. Seismic Vulnerability of Components in Post-Critical Structures: Views on Montreal Hospitals. *Proc. 15th World Conference on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 4401, 10 p.

RC14 Asgarian, A., and McClure, G. 2012. Impact of seismic retrofit and presence of terra cotta masonry walls on the dynamic properties of a hospital building in Montréal, Canada. *Proc. 15th World Conference on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 2530, 10 p.

RC15 Mirshafiei, F., and McClure, G. 2012. Experimental modal analysis of emergency shelters in Montréal, Canada. *Proc. 15th World Conference on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 4437, 10 p.

RC16 Tischer, H., McClure, G., and Mitchell, D. 2012. Development of a Seismic Vulnerability Assessment Method for Schools in Eastern Canada. *Proc. 15th World Conference on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 519, 10 p.

RC17 Youance, S., Nollet, M.J., and McClure, G. 2012. Post-earthquake functionality of critical facilities: A hospital case study. *Proc. 15th World Conference on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 2287, 10 p.

RC18 Ghafari Osgoie, M., McClure, G., Zhang, X.H., and Gagnon, D. 2012. Validation of the accuracy of finite element seismic analysis models of a guyed telecommunication mast with ambient vibration measurements. *Proc. 15th World Conf. on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 0733, 10 p.

RC19 Nollet, M.J., Mestar, M., Proulx, J., and McClure, G. 2012. A three-tier procedure for the seismic evaluation of school buildings in Eastern Canada. *Proc. 15th World Conference on Earthquake Engineering (15WCEE),* Lisbon, Portugal, 24-28 September, Paper 2783, 11 p.

RC20 Borna, A., Habashi, W.G., and McClure, G. 2012. Towards numerical prediction of overhead lines instabilities due to icing. *Proc. of the 2012 Cigré Canada Conference – "Technology and Innovation for the Evolving Power Grid"*, Montréal, Canada, 24-26 September, Paper 185, 8 p.

RC21 Keyhan, H., McClure, G., and Habashi, W.G. 2012. Advances in wind load modeling on overhead transmission lines. *Proc. 2012 Cigré Canada Conference – "Technology and Innovation for the Evolving Power Grid"*, Montréal, Canada, 24-26 September, Paper 166, 8 p.

RC22 Borna, A., Habashi, W.G., and McClure, G. 2012. Towards numerical prediction of galloping events of iced conductors. *Proc. 8th International Conference on Engineering Computational Technology*, Dubrovnik, Croatia, 4-7 September, Keynote Paper presented by W.G. Habashi.

RC23 Keyhan, H., McClure, G., and Habashi. W.G. 2012. On the Influence of Wind-Conductor Interactions in Stress Analysis of Overhead Transmission Line Towers. *2012 International Conference on Advances in Wind and Structures (AWAS'12)*, Seoul, South Korea, 26-29 August 2012. Paper WS110-480.

RC24 Borna, A., Habashi, W.G., and McClure, G. 2012. Numerical Study of Influence of Ice Location on Galloping of an Iced Conductor. *2012 International Conference on Advances in Wind and Structures (AWAS'12)*, Seoul, South Korea, 26-29 August 2012. Paper WS105-947.

RC25 Ghafari Osgoie, M., McClure, G., Zhang, X.H., and Gagnon, D. 2012. Validation of the accuracy of finite element analysis models of a guyed telecommunication mast with ambient vibration measurements. *Proc. 3rd International Structural Specialty Conference. Canadian Society for Civil Engineering*, Edmonton, Alberta, June 6-9, Paper STR-1239, 11 p.

RC26 Asgarian, A., and McClure, G. 2012. Influence of terra cotta infill walls and partitions on the seismic response of "pre-code" buildings: a case-study of a Montréal hospital. *Proc. 3rd International Structural Specialty Conference. Canadian Society for Civil Engineering*, Edmonton, Alberta, June 6-9, Paper STR-1104, 12 p.

RC27 Tischer, H., McClure, G. and Mitchell, D. 2012. Rapid Seismic Vulnerability Assessment Method for Schools in Québec. *Proc. 3rd International Structural Specialty Conference. Canadian Society for Civil Engineering*, Edmonton, Alberta, June 6-9, Paper STR-1016, 11 p.

RC28 Gilles, D., and McClure, G. 2012. In situ dynamic characteristics of reinforced concrete shear wall buildings. *Proc. ASCE/SEI Structures Congress*, 27-31 March, Chicago, Il, 2235-2245.

RC29 Tischer, H., McClure, G. and Mitchell, D. 2012. Ambient vibration measurements of dynamic properties of school buildings in Montréal (Québec). *Proc. ASCE/SEI Structures Congress*, 27-31 March, Chicago, Il, 2279-2290.

RC30 Hooman, K., McClure, G., and Habashi, W.G. 2011. A Fluid Structure Interaction (FSI)-Based Wind Load Model for Dynamic Analysis of Overhead Transmission Lines. *Proc. 9th International Symposium on Cable Dynamics ISCD 2011*, 18-20 October, Shanghai, China. ISSN 2030-742X, 103-110.

RC31 Borna, A., Habashi, W.G., McClure, G., and Nadarajah, S.K. 2011. Numerical modeling of ice accretion effects on galloping of transmission line conductors. *Proc.*

9th International Symposium on Cable Dynamics ISCD 2011, 18-20 October, Shanghai, China. ISSN 2030-742X, 135-142.

RC32 Gilles, D., and McClure, G. 2011. Modal identification of concrete shear wall buildings. *Proc. Eighth International Conference on Structural Dynamics* (EURODYN 2011), Leuven, Belgium, 4-6 July. 8 p.

RC33 Tischer, H., Mitchell, D., and McClure, G. 2011. Comparison of Seismic Screening Methods for Schools in a Moderate Seismic Zone. *Proc. Third International Conference on Computational Methods in Structural Dynamics and Earthquake engineering (COMPDYN 2011)*, Corfu, Greece, 26-28 May, 14 p.

RC34 Borna, A., Habashi, W.G., McClure, G., and Nadarajah, S. 2011. A Computational Aeroelastic Approach to Predict Galloping of Iced Conductors with Three Degrees of Freedom. *Proc. 14th International Workshop on Atmospheric Icing of Structures (IWAIS 2011)*, Chongqing, China, 8-13 May. 4 p. Paper B2-5-ID163.

RC35 Borna, A., Habashi, W.G., and McClure, G. 2011. Numerical investigation of iced-conductor oscillations in the wake of windward conductors. *Proc. 14th International Workshop on Atmospheric Icing of Structures (IWAIS 2011)*, Chongqing, China, 8-13 May. Abstract Z-09-ID130.

RC36 Gagnon, D., Roberge, G., Zhang, X.H., and McClure, G. 2011. Technological developments for the study of guy cable damage induced by atmospheric icing on high voltage transmission lines. *Proc. 14th International Workshop on Atmospheric Icing of Structures (IWAIS 2011)*, Chongqing, China, 8-13 May. 4 p. Paper A4-1-ID170

RC37 Habashi, W.G., and McClure, G. 2011. Cross-fertilizing the Technologies of Atmospheric Icing on Structures and In-Flight Structural Icing. ***Keynote presentation***, *Proc. 14th International Workshop on Atmospheric Icing of Structures (IWAIS 2011)*, Chongqing, China, 8-13 May. 9 p. Paper K3.

RC38 Keyhan, H., McClure, G. and Habashi, W.G. 2011. On computational modeling of interactive wind and icing effects on overhead line conductors. *Proc. 14th International Workshop on Atmospheric Icing of Structures (IWAIS 2011)*, Chongqing, China, 8-13 May. 4 p. Paper B5-1-ID28.

RC39 Mirshafiei, F., McClure, G., and Farzaneh, M. 2011. Numerical simulations of ice shedding on single-span models. *Proc. 14th International Workshop on Atmospheric Icing of Structures (IWAIS 2011)*, Chongqing, China, 8-13 May. 4 p. Paper P2-28-ID201.

RC40 Ghafari Oskoei, S.A., McClure, G., and Mahmoudzadeh Kani, I. 2010. Dynamic analysis of cable roofs under turbulent wind using a frequency domain approach. *Proc. Tenth International Conference on Computational Structures Technology (CST 2010)*, Civil-Comp Press, 14-17 September, Valencia, Spain, Paper 462, 19 p.

RC41 McClure, G., Cappai, J., Shapiro, R., Li, M., Dunlop-Brière, G., and Keller, P. 2010. Assessing the post-earthquake functionality of critical buildings in Montréal. *Proc. 9th US National and 10th Canadian Conference on Earthquake Engineering: Reaching Beyond Borders*, EERI and CAEE, 25-29 July, Paper 993, 10 p.

RC42 Huang, W.C., McClure, G., and Yao, G.C. 2010. Shake table testing on moveable office partitions without top restraint. *Proc. 9th US National and 10th Canadian Conf. on Earthquake Engineering: Reaching Beyond Borders*, EERI and CAEE, 25-29 July, Paper 963, 10 p.

RC43 Gilles, D., and McClure, G. 2010. Sensitivity of NBCC 2005 base shear on the fundamental period. *Proc. 9th US National and 10th Canadian Conference on Earthquake Engineering: Reaching Beyond Borders*, EERI and CAEE, 25-29 July, Paper 668, 10 p.

RC44 Ghafari Osgoie, M., McClure, G., and Ghafari Oskoei, S.A. 2010. Response of multiple-span road bridges to seismic wave propagation. *Proc. 2nd International Structures Specialty Conference*, Canadian Society for Civil Engineering, 9-12 June, Winnipeg, Manitoba, Paper ISSC-080,11 p.

RC45 Qi, G., and McClure, G. 2010. Computational modeling for stress analysis of an overhead optical ground wire. *Proc. 2nd International Structures Specialty Conference*, Canadian Society for Civil Engineering, 9-12 June, Winnipeg, Manitoba, Paper ISSC-079, 10 p.

RC46 Mirshafiei, F., McClure, G., Kálmán, T. and Farzaneh, M. 2010. Improved ice shedding modelling of iced cables: a comparison with experimental data. *Proc. 2nd International Structures Specialty Conference*, Canadian Society for Civil Engineering, 9-12 June, Winnipeg, Manitoba, Paper ISSC-078, 10 p.

RC47 Jiang, W.Q., McClure, G., and Wang, Z.Q. 2010. Numerical and Experimental Study of Joint Slippage in a Lattice Transmission Tower. *Proc. 2nd International Structures Specialty Conference*, Canadian Society for Civil Engineering, 9-12 June, Winnipeg, Manitoba, Paper ISSC-077, 7 p.

RC48 Ghafari Oskoei, S.A., and McClure, G. 2009. Simplified dynamic analysis methods for guyed telecommunication masts under seismic excitation. *Proc. 2009 ASCE SEI Structures Congress*, 30 April – 2 May, Austin, TX, 1020-1029.

RC49 Faridafshin, F., McClure, G., and Ghafari Oskoei, S.A. 2008. Response of tall guyed communication masts to seismic wave propagation. *Proc. 14th World Conference on Earthquake Engineering (14WCEE)*, 12-17 October, Beijing, China. Paper 06-0089, 8 p.

RC50 Gilles, D., and McClure, G. 2008. Development of a period database for buildings in Montreal using ambient vibrations. *Proc. 14th World Conference on Earthquake Engineering (14WCEE)*, 12-17 October, Beijing, China. Paper 12-03-0016, 8 p.

RC51 Ghafari Oskoei, S.A., and McClure, G. 2008. Dynamic analysis of cable roofs under transient wind: A comparison between time domain and frequency domain approaches. *Proc. 12th International Conference on Computing in Civil and Building Engineering (ICCCBE-XII) and the International Conference on Information Technology in Construction*, 16-18 October, Beijing, China. Paper 025, 6p.

RC52 Ghafari Oskoei, S.A., and McClure, G. 2008. Dynamic analysis of cable roof networks under transient wind. *Proc. 6th International Conference on Computation of Shell and Spatial Structures (IASS-IACM 2008) – Spanning Nano to Mega*, 28-31 May, Cornell University, Ithaca, NY, USA, JF Abel and JR Cooke (eds.). Session T-4-B, Paper 2. (Book of Abstracts p. 170) – 4 p.

RC53 McClure, G., Langlois, S., and Rogier, J. 2008. Understanding how overhead lines respond to high intensity wind storms. *Proc. 2008 ASCE SEI Structures Congress, Crossing Borders*, 24-26 April, Vancouver, Canada, Paper 199, 10 p.

RC54 Kálmán, T., Farzaneh, M., McClure, G., and Leblond, A. 2007. De-icing of overhead cables by mechanical shocks: numerical and experimental analyses. *Proc. 12th International Workshop on Atmospheric Icing of Structures*, 9-13 October, Yokohama, Japan. On CDRom. 6 p.

RC55 Roberge, M., Farzaneh, M., McClure, G., and Peyrard, C. 2007. Wet Snow Shedding From an Overhead Cable Part 1: Experimental Study. *Proc. 12th International Workshop on Atmospheric Icing of Structures*, 9-13 October, Yokohama, Japan. On CDRom. 6 p.

RC56 Roberge, M., McClure, G., Farzaneh, M., and Pellet, L. 2007. Wet Snow Shedding From an Overhead Cable Part 2: Evaluating the Dynamic Response of Cables Subjected to Wet Snow Shedding. *Proc. 12th Int. Workshop on Atmospheric Icing of Structures*, 9-13 October, Yokohama, Japan. On CDRom. 6 p.

RC57 Neurohr, T., and McClure, G. 2007. The seismic vulnerability of art objects. *Proc. Ninth Canadian Conference on Earthquake Engineering*, 26-29 June, Ottawa, Ontario, 233-243.

RC58 Assi, R., and McClure, G. 2007. A simplified method for seismic analysis of rooftop telecommunication towers. *Proc. Ninth Canadian Conference on Earthquake Engineering*, 26-29 June, Ottawa, Ontario, 244-253.

RC59 Assi, R., McClure, G., and Pierre, J.-R. 2007. Impact of changes in the NBCC 2005 seismic provisions on the design of restraints for OFCs and strategic equipment. *Proc. Ninth Canadian Conference on Earthquake Engineering*, 26-29 June, Ottawa, Ontario, 254-261.

RC60 Foo, S., Ventura, C.E., and McClure, G. 2007. An overview of a new Canadian standard on the seismic risk reduction of operational and functional components of buildings. *Proc. Ninth Canadian Conference on Earthquake Engineering*, 26-29 June, Ottawa, Ontario, 292-302.

RC61 Peabody, A.B., and McClure, G. 2006. The effect on broken wire loads of adding dampers to rotating cross arms. *Proc. 2006 Electrical Transmission Conference, ASCE,* 15-19 October, Birmingham, AL, 9 p.

RC62 McClure, G. 2006. Recent advances in modeling the dynamic response of overhead transmission lines. Chapter 18 *Innovation in Computational Structures Technology, Saxe-Coburg - (Invited presentation): Proc. 8th International Conference on Computational Structures Technology*, 12-15 September, Las Palmas de Gran Canaria, Spain, 371-392.

RC63 Charbonneau, M., Banville, D., Guilbault, P., Lemieux, S., Vincent, P., McClure, G., Zhang, X.H. and Holmas, T. 2006. Overhead transmission lines evaluation of the post-elastic behaviour of line components. *41st General Session of CIGRÉ (International Council on Large Electric Systems)*, 27 August-1 September, Paris, France. Paper B2-303, 8 p.

RC64 Doudak, G., McClure, G., and Smith I. 2006. Modeling the structural response of wood light-frame structures. *World Timber Engineering Conference* WCTE2006, Portland, Oregon, 6-10 August. 8 p. Paper 2.19.4 on CDRom.

RC65 Doudak, G., Stathopoulos, T., McClure, G., and Smith I. 2006. Field Measurements of wind forces on wood buildings. *World Timber Engineering Conference* WCTE2006, Portland, OR, 6-10 August. 8 p. Paper 2.23.2 on CDRom.

RC66 Assi, R., and McClure, G. 2006. Seismic amplification factors for telecommunication towers mounted on building rooftops. *8th US National Conference on Earthquake Engineering*, San Francisco, CA, 17-21 April. On CDRom.

RC67 Yao, G.C., Chen, J.Y., and McClure, G. 2006. Vibration Behaviour of Rooftop Telecommunication Towers. *8th US National Conference on Earthquake Engineering*, San Francisco, CA, 17-21 April. On CDRom.

RC68 Assi, R., McClure, G., and Yao, G.C. 2006. On predicting the seismic response of telecommunication towers mounted on building rooftops. *Proc. CEIS 2006 Civil Engineering Infrastructure Systems*, Beirut, Lebanon, 12-14 June. Paper S128, 12p.