

1.1. Liste des publications

Articles dans des revues scientifiques avec comité de lecture

2014

1. Amor, M.B., Gaudreault, C., Pineau, P.-O., and Samson, R. (2014), *Implications of integrating electricity supply dynamics into life cycle assessment: a case study of renewable distributed generation*, Renewable Energy, vol. 69 (1), 410-419.
2. Sanchez, L.F.M., Fournier, B., Jolin, M. et Bastien, J. (2014) *Evaluation of the stiffness damage test (SDT) as a tool for assessing damage in concrete due to ASR: Test loading and output responses for concretes incorporating fine or coarse reactive aggregates*, Cement and Concrete Research Journal, Vol 56, pp.213-229.
3. Reilly, J., Cook, W., Bastien, J., and Mitchell, D. (2014) *Effects of Delamination on the Performance of Two-way Reinforced Concrete slabs*, ASCE's Journal of Performance of Constructed Facilities. Vol 28, No 4, pp.04014001-1 – 04014001-8.
4. Mbianda T., C., Power, G., Bastien, J. et Grégoire, P. (2014) *Measuring Infrastructure Investment Option Value*, Journal of risk finance, Ref. no. JRF-05-2014-0072 -R1 (Accepté et en révision).
5. Afifi, Z.M., Mohamed, H.M., Chaallal, O., and Benmokrane, B. (2014) *Confinement Model for Concrete Columns Internally Confined with Carbon FRP Spirals and Hoops*. ASCE Journal of Structural Engineering, (In-press, August).
6. Mohamed, N., Farghaly, A., and Benmokrane, B. (2014) *Aspects of Deformability of Concrete Shear Walls Reinforced with Glass Fiber Reinforced Bars*. ASCE Journal of Composite for Construction, (In-press, June).
7. Mohamed, H.M., Afifi, Z.M., and Benmokrane, B. (2014) *Performance Evaluation of Concrete Columns Reinforced Longitudinally with FRP Bars and Confined with FRP Hoops and Spirals under Axial Load*. ASCE Journal of Bridge Engineering, Vol. 19, No. 7, pp. 04014020-1 – 04014020-12.
8. Hassan, M., Ahmed, E., and Benmokrane, B. (2014) *Punching-Shear Behaviour of Two-Way Concrete Slabs Reinforced with FRP Shear Reinforcement*. ASCE Journal of Composites for Construction, (In-press, May).
9. Mohamed, N., Farghaly, A., Benmokrane, B., and Neale, K. (2014) *Drift Capacity Design of Concrete Shear Walls Reinforced with GFRP bars*. ACI Structural Journal, 33p, (In-press, July)
10. Maranan, G., Manalo, A., Karunasena, W., and Benmokrane, B. (2014) *Bond Stress-Slip Behaviour: The Case of GFRP Bars in Geopolymer Concrete*. ASCE Journal of Materials in Civil Engineering, (In-press, March).
11. Mohamed, H.M., Chaallal, O., and Benmokrane, B. (2014) *Torsional Moment Capacity and Failure Mode Mechanisms of Concrete Beams Reinforced with Carbon FRP Bars and Stirrups*. ASCE Journal of Composite for Construction, (In-press, July).

12. Ahmed, E., Settecasì, F., and Benmokrane, B. (2014) *Construction and Testing of Hybrid Reinforced Concrete Bridge Deck Slabs for the Ste-Catherine Twin Overpass Bridges*. ASCE Journal of Bridge Engineering, Vol. 19, No. 6, June, pp. 04014011-1 – 04014011-11.
13. Tobbi, H., Farghaly, A.S., and Benmokrane, B. (2014). *Strength Model for Concrete Columns Reinforced with FRP Bars and Ties*. ACI Structural Journal, Vol. 111, No. 4, July/August, pp. 789-798.
14. Mohamed, N., Farghaly, A.S., Benmokrane, B., and Neale, K. (2014). *Experimental Investigation of Concrete Shear Walls Reinforced with Glass-Fiber-Reinforced Bars under Lateral Cyclic Loading*. ASCE Journal of Composites for Construction, Vol. 18, No. 3, May/June, pp. A4014001-1 - A4014001-11.
15. Hassan, M., Ahmed, E., and Benmokrane, B. (2014). *Punching-Shear Design Equation for Two-way Concrete Slabs Reinforced with FRP Bars and Stirrups*. Construction and Building Materials Journal, Vol. 66, pp. 522-532.
16. Mohamed, N. Farghaly, A., Benmokrane, B., and Neale, K. (2014). *Numerical Simulation of Mid-Rise Concrete Shear Walls Reinforced with GFRP Bars Subjected to Lateral Displacement Reversals*. Engineering Structures Journal, Vol. 73, No. 15, August, pp. 62-71.
17. Afifi, Z.M., Mohamed, H.M., and Benmokrane, B. (2014). *Strength and Axial Behaviour of Circular Concrete Columns Reinforced with CFRP Bars and Spirals*. ASCE Journal of Composites for Construction, Vol. 18, No. 2, March/April, pp. 04013035-1 – 04013035-10.
18. Mohamed, N., Farghaly, A.S., Benmokrane, B., and Neale, K. (2014). *Flexure and Shear Deformation of GFRP-Reinforced Concrete Shear Walls*. ASCE Journal of Composites for Construction, Vol. 18, No. 2, March/April, pp. 04013044-1 – 04013044-8.
19. Afifi, Z.M., Mohamed, H.M., and Benmokrane, B. (2014). *Axial Capacity of Circular Concrete Columns Reinforced with Glass-FRP Bars and Spirals*. ASCE Journal of Composites for Construction, Vol. 18, No.1, pp. 04013017-1 – 04013017-11.
20. Mohamed, H.M. and Benmokrane, B. (2014). *Design and Performance of Reinforced Concrete Water Chlorination Tank Totally Reinforced with GFRP Bars*. ASCE Journal of Composites for Construction, Vol. 18, No.1, pp. 05013001-1 – 05013001-11.
21. Benmokrane, B., Ahmed, E., Montaigu, M., and Thebeau, D. (2014). *Performance of GFRP-Doweled Jointed Plain Concrete Pavement Under Static and Cyclic Loading*. ACI Structural Journal, Vol. 111, No. 2, pp. 331-341.
22. Tobbi, H., Farghaly, A.S. and Benmokrane, B. (2014). *Behaviour of FRP-RC Columns with Varying Reinforcement Types and Ratios*. ACI Structural Journal, Vol. 111, No. 2, 375-385.
23. Benmokrane, B. and Mohamed, M.H. (2014). *Extending the Service Life of Water Treatment Structures: Glass Fiber-Reinforced Polymer Bar Replaces Steel in Concrete Water Tanks in Quebec*. ACI Concrete International Magazine, Vol. 36, No. 2, pp. 40-45.
24. Yilmaz, E., Benzaazoua, M., Bussière, B., Pouliot, S. (2014) *Influence of disposal configurations on hydrogeological behaviour of sulphidic paste tailings: A field experimental study*. International Journal of Mineral Processing, 131 : 12-25.

25. Bouzahzah H., Benzaazoua M., Bussière B., Plante, B. (2014) *ASTM normalized humidity cell kinetic test: protocol improvements for optimal sulfide tailings reactivity*. Mine Water and the environment. Paper in press.
26. Bouzahzah H., Benzaazoua M., Bussière B. (2014) *Prediction of Acid Mine Drainage: Importance of Mineralogy and the Test Protocols for Static and Kinetic Tests*. Mine Water and the Environment., 33-1 : 54-65.
27. Bouzahzah, H., Benzaazoua, M., Bussière, B., Plante, B. (2014) *Revue de littérature détaillée sur les tests statiques et les essais cinétiques comme outils de prédiction du drainage minier acide*. Déchets Sciences et Techniques Techniques : 66 : 14-31.
28. Argane, R., Benzaazoua, M., Bouamrane, A., Hakkou, R. (2014) *Valorisation des rejets miniers du district Pb-Zn de Touissit / Boubker (région orientale - Maroc)*. Déchets Sciences et Techniques : 66 : 32-38.
29. Plante, B., Bussière, B., Benzaazoua, M. (2014) *Lab to field scale effects on contaminated neutral drainage prediction from mine waste rocks*. Journal of geochemical exploration. 137 : 37 – 47.
30. Lambert, A., Drogui, P., Daghri, R., Zaviskaa, F., Benzaazoua, M. (2014) *Removal of copper in leachate from mining residues using electrochemical technology*. Journal of Environmental Management. 133 : 78-85.
31. Yilmaz, E., Belem, T., Benzaazoua, M. (2014) *Effects of curing and stress conditions on hydromechanical, geotechnical and geochemical properties of cemented paste backfill*. Engineering Geology, 168 : 23-37.
32. Ginouse, N., Jolin, M., Bissonnette, B. (2014) *Effect of equipment on spray velocity distribution in shotcrete applications*, Construction and Building Materials, Elsevier, 70, pp. 362-369.
33. Bissonnette, B., Jolin, M., Gagné, R., Certain, P.-V., Perez, F. (2014) *Evaluation of the robustness of shrinkage-compensating concrete repair concretes prepared with expansive components*, ACI C223, Special Publication on the use of shrinkage-compensating concrete, 19 p.
34. Vaysburd, A.M., Bissonnette, B. (2014) *Condition evaluation and durability planning in concrete repair*, Concrete International, 36(5), May, pp. 55-60.
35. Nunes, M., Ormsby, C., Patel, V., Peng, T. & Boyd, A.J., (2014) *Paraffin Wax as a Sealant in Sorptivity Testing*, Journal of Materials in Civil Engineering, ASCE. [In Press].
36. Hubert, M., Desmettre, C. Charron, J.-P. (2014) *Influence of fiber content and reinforcement ratio on the water permeability of reinforced concrete*, (Accepted in Materials and Structures). NSERC & FQRNT. Paper n° MAAS-D-13-00704R2.
37. Jones, A., Ledo, J., Ferguson, I., Craven, J., Unsworth, M., Chouteau, M., and Spratt, J. (2014) *The electrical resistivity of Canada's lithosphere and correlation with other parameters: contributions from Lithoprobe and other programmes*. Canadian Journal of Earth Sciences, 51: 1-41.

38. Oueslati, O. and Duchesne, J. (2014) *Resistance of blended cement pastes subjected to organic acids: Quantification of anhydrous and hydrated phases*, Cement & Concrete Composites, 45 (1) 89-101.
39. Sanchez, L., Multon, S., Sellier, A. Cyr, M. Fournier, B., Jolin, M. (2014) Comparative study of a chemo mechanical modeling for alkali silica reaction (ASR) with experimental evidences. Cons and Buil. Mat., 72, 301-315.
40. Duccasse-Lapeyrousse, J., Gagné, R., Lors, C., Damidot, D. (2014) *Traitement de mortiers fissurés par biocicatrisation : vers une évaluation quantitative de l'efficacité bactérienne*, Matériaux et Techniques, Vol. 102, n° 1, 105.1-105.11.
41. Benzerzour, M., Gagné, R., Abriak, N.-E., Nassim, S. (2014) *Experimental and numerical study of the structural and cracking behavior of an overlaid slab panel under cyclic flexural loading*, Construction & Building Materials, Vol. 52, 24-32.
42. Joanis, M. (2014) *Shared Accountability and Partial Decentralization in Local Public Good Provision*, Journal of Development Economics 107, pp. 28-37.
43. Boccanfuso, D., Joanis, M., Richard, P. et Savard, L. (2014) *A Comparative Analysis of Funding Schemes for Public Infrastructure Spending in Quebec*, Applied Economics 46(22), pp. 2653-2664.
44. Joanis, M. (2014) *Comparer l'endettement public dans les provinces canadiennes et les États américains : une analyse de sensibilité*, Canadian Public Policy / Analyse de politiques 40(2), pp. 143-155.
45. Ginouse, N., Jolin, M., (2014) *Experimental and Numerical Investigation of Particle Kinematics in Shotcrete*, Journal of Materials in Civil Engineering, No. June.
46. Ammar, M.-A., El Refai, A., Masmoudi, R. (2014) *Bond Behavior of Basalt Fiber-Reinforced Polymer Bars: A Comparative Study to Glass Fiber-Reinforced Polymers Bars*. (Accepted) Journal of Composites for Construction.
47. Bellakahel, H., Zaïdi, A., Masmoudi, R., Bouhicha, M. (2014) *Behavior of FRP Bars-Reinforced Concrete Slabs under Temperature and Sustained Load Effects*, Polymers, 6(3), pp. 873-889.
48. El Refai, A., Ammar, M.A., Masmoudi, R. (2014) *Bond behavior of basalt fiber-reinforced polymer bars: A Comparative Study to Glass Fiber-Reinforced Polymers Bars*. Accepted to Journal of Composites for Construction, ASCE, ISSN 1090-0268/04014050(12).
49. Ben Ftima, M., Massicotte, B. (2014) *Utilization of nonlinear finite elements for the design and assessment of large concrete structures – Part I: Calibration and validation*. ASCE J. of Struc. Eng. (Accepted).
50. Ben Ftima, M., Massicotte, B. (2014) *Utilization of nonlinear finite elements for the design and assessment of large concrete structures – Part II: Applications*. ASCE J. of Struc. Eng. (Accepted).
51. Dagenais, M.-A., Massicotte, B. (2014) *Tension Lap Splices Strengthened with Ultra High Performance Fiber Reinforced Concrete*. ASCE Jour Journal of Materials in Civil Engineering (Accepted).

52. Tischer, H., Mitchell, D. and McClure, G. (2014) *Adapting a rapid seismic screening method for the evaluation of school buildings*, Canadian Journal of Civil Engineering, in press.
53. Tehrani, P. and Mitchell, D. (2014) *Seismic Risk Assessment of Four-Span Bridges in Montreal designed Using the Canadian Bridge Design Code*, ASCE Journal of Bridge Engineering, August, pp. A4014002-1 – A4014002-9. DOI:10.1061/(ASCE)BE.1942-5592.0000499.
54. Deng, Y., Liu, J., Cook, W.D. and Mitchell, D. (2014) *Confinement of Columns and Wall Boundary Elements using Headed Bars*, ASCE Journal of Structural Engineering, March, pp. 0401380-1 - 0401380-9. DOI:10.1061/(ASCE)ST.1943-541X.0000850.
55. Collins, M.P and Mitchell, D. (2014) *Shear Design and Evaluation of Concrete Structures*, Journal of Concrete in Australia, V. 40, N.1, March, pp.28-38.
56. Abbasy, F., Hassani, F.P., Ghoreishi Madiseh, S.A., Nokken, M.R.(2014) *An experimental study on the effective parameters of thermal conductivity of mine backfill*, Journal of Heat Transfer, Vol. 35, No. 13, pp. 1209-1224.
57. Nokken, M.R., Salloum, T., Idle, A. and Martinez Ramos, L. (2014) *Standardized Testing for Determining the Durability of High Volume Fly Ash Mixtures*, Journal of Materials in Civil Engineering (ASCE) Vol. 26, No. 1, pp. 206-210.
58. Gagnon, M.-H., Power, G.J. et Toupin, D. (2014) *Dynamics Between Crude Oil and Equity Markets under the Risk-Neutral Measure*, Applied Economics Letters, à paraître.
59. Boukari, Y., Bulteel, D., Rivard, P., Abriak, NE. (2014) *Combining nonlinear acoustics and physico-chemical analysis of aggregates to improve ASR monitoring*, (Accepté) Cement & Concrete Research.
60. Moradi-Marani, F., Rivard, P., Lamarche, C.P., Kodjo, S.A. (2014) *Evaluating the damage in reinforced concrete slabs under bending test with the energy dissipation of ultrasonic waves*, (Accepté) Construction & Building Materials, juillet.
61. Moradi-Marani, F., Kodjo, S.A., Rivard, P., Lamarche, C.P. (2014) *Nonlinear acoustic technique of time shift for evaluation of ASR-damage in concrete structures*, ACI Materials Journal, sous presse.
62. Kodjo, S.A., Moradi-Marani, F., Rivard, P. (2014) *Application du principe de l'acoustoélasticité dynamique (AED) pour la surveillance in situ des ouvrages de génie civil*, Annales du bâtiment et des travaux publics, 66 : 65-70.
63. Achour, R., Abriak, N.E., Zentar, R., Rivard, P., Grégoire, P. (2014) *Valorization of unauthorized sea disposal dredged sediments as a road foundation material*, Environ. Tech., 35(16): 1997-2007.
64. Moradi-Marani, F., Kodjo, S.A., Rivard, P., Lamarche, C.P. (2014) *Effect of the temperature on the nonlinear acoustic behavior of reinforced concrete using dynamic acoustoelastic method of time shift*, Journal of Nondestructive Evaluation, 33(2): 288-298.
65. Taillet, E., Lataste, J.F., Rivard, P., Denis, A. (2014) *Non-Destructive Evaluation of cracks in massive concrete using normal dc resistivity logging*, NDT&E International, 63:11-20

66. Gauvin, F., Robert, M., Cousin, P. (2014) *Characterization and Durability Study of New Bio Resin-Based Composites for Application in Civil Engineering* (Article Accepted) Août, Fibers and Polymers.
67. Foruzanmehr, M., Chaillou, J., Elkoun, S., Fam, A., Robert, M., (2014) *Characterization and Durability Study of New Bio-Resin-Based-FRP for External Rehabilitation of Structures* (Article Accepted) Septembre, Constr Build Mater.
68. Morshed, A. and Shao, Y. (2014) *The optimized process window for fresh concrete carbonation curing*, Canadian Journal of Civil Engineering, (accepted) August.
69. Kashef-Haghighi, S., Shao, Y. and Ghoshal, S. (2014) *Mathematical Modeling of CO₂ Uptake by Concrete during Accelerated Carbonation Curing*, Cement and Concrete Research, (accepted) August, [<http://dx.doi.org/10.1016/j.cemconres.2014.07.020>].
70. Mahoutian, M., Shao, Y., Mucci, A and Fournier, B. (2014) *Carbonation and hydration behavior of EAF and BOF steel slag binders*, Materials and Structures, DOI 10.1617/s11527-014-0380-x.
71. Mahoutian, M., Ghouleh, Z. and Shao, Y. (2014) *Carbon dioxide activated ladle slag binder*, Construction and Building Materials, 66, 214-221.
72. El-Hassan, H., and Shao, Y. (2014) *Carbon Storage through Concrete Block Carbonation Curing*, Journal of Clean Energy and Technology, July, 2(3), 287-291.
73. El-Hassan and Shao, Y. (2014) *Dynamic carbonation curing of concrete*, Magazine of Concrete Research, 66(14), 708-718.
74. Morshed, A., Azar, A. and Shao, Y. (2014) *Characterizing cement carbonation curing using non-contact electrical resistivity measurement*, Advances in Cement Research, (accepted) in February. [<http://dx.doi.org/10.1680/adcr.13.00083>].
75. Shao, Y., Rostami, V., Jia, Y. and Hu, L. (2014) *Feasibility Study on Replacing Steam by Carbon Dioxide for Concrete Masonry Units Curing*, Masonry 2014, STP 1577, Michael J. Tate, Ed., pp. 53–69, doi:10.1520/STP157720130134, ASTM International, West Conshohocken, PA.
76. Shao, Y., El-Baghdadi, A., He, Z., Mucci, A. and Forney, B. (2014) *Carbon dioxide activated steel slag for slag-bonded wallboard application*, ASCE J. of Materials in Civil Engineering. [[http://dx.doi.org/10.1061/\(ASCE\)MT.1943-5533.0001055](http://dx.doi.org/10.1061/(ASCE)MT.1943-5533.0001055)].
77. Shao, Y. and Morshed, A. Z., (2014) *Early carbonation for hollow-core concrete slab curing and carbon dioxide recycling*, Materials and Structures, Nov. 2013, DOI: 10.1617/s11527-013-0185-3.
78. Mofidi, A., Chaallal, O., and Shao, Y. (2014) *Analytical Design Model for Reinforced-Concrete Beams Strengthened in Shear Using L-Shaped CFRP Plates*, J. Compos. Constr., 18(1), 04013024.
79. Mofidi, A., Thivierge, S., Chaallal, O., and Shao, Y. (2014) *Behavior of Reinforced Concrete Beams Strengthened in Shear Using L-Shaped CFRP Plates: Experimental Investigation*, J. Compos. Constr., 18(2), 04013033.

80. Shao, Y., Rostami, V., He, Z., and Boyd, A. (2014) *Accelerated Carbonation of Portland Limestone Cement*, J. Material in Civil Engineering, 26, 117-124.
81. Amdouni, W. & Soumaré, I. (2014) *An Analysis of the Determinants of S&P Ratings Assigned to Canadian Firms: Application of a Multinomial Logit*, Journal of Risk Management in Financial Institutions (à paraître).
82. Hassan, K. & Soumaré I. (2014) *Guarantees and Profit-Sharing Contracts in Project Financing*, Journal of Business Ethics (à paraître).
83. Puertas, F., Torres-Carrasco, M., Tognonvi, M., Tagnit-Hamou, A., (2014), *Mechanical and durability behaviour of alkali-activated slag concretes prepared using waste glass as alternative activator*, Construction & Building Materials.
84. Pavoine, A., Harbec, D., Chaussadent, T., Divet, L., Tagnit-Hamou, A. (2014) *Impact of alternative cementitious material on the mechanical and transfer properties of concrete*, ACI Mat J, 3(3), 251-261.
85. Niang, A., Roy, N., Tagnit-Hamou, A. (2014) *Structural behavior of concrete incorporating glass powder used in reinforced concrete column*, J Struct Eng-ASCE [10.1061/\(ASCE\)ST.1943-541X.0000986](https://doi.org/10.1061/(ASCE)ST.1943-541X.0000986) , B4014007.
86. Yahia, A. (2014) *Effect of Solid Concentration and Shear Rate on Shear-Thickening Response of High-Performance Cement Suspensions* Construction and Building Materials 53, 517–521.
87. Yahia, A. et Kabagire D. (2014) *New approach to proportion pervious concrete*, Construction and Building Materials 62, 38–46.
88. Esmailkhanian, D. Feys, K. H. Khayat, A. Yahia, (2014) *New Test Method to Evaluate Dynamic Stability of Self-Consolidating Concrete*, ACI Materials Journal , 111(3), B.
89. Esmailkhanian, K. H. Khayat, A. Yahia, D. Feys, (2014) *Effects of Mix Design Parameters and Rheological Properties on Dynamic Stability of Self-Consolidating Concrete*, Cement and Concrete Composites (in press), DOI: 10.1016/j.cemconcomp.2014.03.001.
90. Hammoud, R., Yahia, A., Boukhili, R. (2014) *Triaxial Compressive Strength of Concrete Subjected to High Temperatures*, Journal of Materials in Civil Engineering, Vol. 26, No. 4. © ASCE, ISSN 0899-1561/2014/4-705-712 26p.

2013

1. Amor, M.B., Billette de Villemeur, É., Pellat, M., and Pineau P.-O. (2013) *Influence of wind power on hourly electricity prices and GHG (greenhouse gas) emissions: Evidence that congestion matters from Ontario zonal data*, Energy, vol. 66 (1), 458–469.
2. Hassan, M., Ahmed, E., and Benmokrane, B. (2013) *Punching-Shear Strength of Normal- and High-Strength Concrete Flat Slabs Reinforced with GFRP Bars*. ASCE Journal of Composite for Construction, Vol. 17, No. 6, Nov./Dec., pp. 04013003-1 – 04013003-13.
3. Farghaly, A., and Benmokrane, B. (2013) *Shear Behavior of FRP-Reinforced Concrete Deep Beams without Web Reinforcement*. ASCE Journal of Composite for Construction, Vol. 17, No. 6, Nov./Dec., pp. 04013015-1 – 04013015-12.

4. Ahmed, E., Dulude, C., and Benmokrane, B. (2013) *GFRP-Reinforced Concrete Bridge Barriers: Static Tests and Pendulum Impacts*. Canadian Journal of Civil Engineering, Vol. 41, pp. 1051-1059.
5. Hassan, M., Ahmed, E., and Benmokrane, B. (2013) *Punching Shear Strength of GFRP Reinforced Concrete Flat Slabs*. Canadian Journal of Civil Engineering, Vol. 40, pp. 951-960.
6. Ahmed, E.A., Matta, F., Benmokrane, B. (2013) *Steel Post-and-Beam Barrier with FRP Reinforced Concrete Curb and Bridge Deck Connection*. ASCE Journal of Bridge Engineering, Vol. 18, No. 11, pp. 1189-1197.
7. El-Nemr, A., Ahmed, E., and Benmokrane, B. (2013) *Flexural Behavior and Serviceability Performance of Normal- and High-Strength Concrete Beams Reinforced with GFRP Bars*. ACI Structural Journal, Vol. 110, No. 6, Nov./Dec., pp 1077-1087.
8. Dulude, C., Hassan, M., Ahmed, E., and Benmokrane, B. (2013) *Punching Shear Behaviour of Two-Way Flat Concrete Slabs Reinforced with GFRP Bars*. ACI Structural Journal, Vol. 110, No. 5, Sept./Oct., pp. 723-734.
9. Matta, F., El-Sayed, A.K., Nanni, A., and Benmokrane, B. (2013) *Size Effect on Concrete Shear Strength in Beams Reinforced with FRP Bars*. ACI Structural Journal, Vol. 110. No. 4, pp. 617-628.
10. Montaigu, M., Robert, M., Ahmed, E., and Benmokrane, B. (2013) *Laboratory Characterization and Durability Performance of New GFRP Dowels for Concrete Pavement*. ASCE Journal of Composite for Construction, Vol. 17, No. 2, March/Ap., pp. 176-187.
11. Battioui, M., Benzaazoua, M., Hakkou, R., Bouzahzah, H., Jilali, A., Sbaa, M. (2013) *Impact of mining wastes on groundwater quality in the province Jerada (Eastern Morocco)*. International Journal of Engineering Science and Technology. Vol. 5-8 : 1601-1615.
12. Ouakibi, O., Loqman, S., Hakkou, R., Benzaazoua, M. (2013) *The Potential Use of Phosphatic Limestone Wastes in the Passive Treatment of AMD a Laboratory Study*. Mine Water and the Environment. 32-4 : 266-277.
13. Coussy, S., Benzaazoua, M., Blanc, D., Bussière, B., Moszkowicz, P. (2013) *Stabilisation de l'arsenic dans les remblais miniers en pâte cimentée*. Déchets Sciences et Techniques : 64 : 4-12.
14. Benzaazoua, M., Bussière, B., Demers, I., Plante, B., Pepin, G., Aubertin, M., Chouteau, M., Dawood, I., Intissar, R., Lessard, G., Monzon, M., Peregoedova, A., Zagury, G.J., Molson, J.W, Laflamme, D. (2013) *Comportement géochimique et hydrogéologique des stériles de la mine Lac Tio*. Déchets Sciences et Techniques : 64 : 14-23.
15. Goumih, A., El Adnani, M., Hakkou, R., Benzaazoua, M. (2013) *Geochemical Behavior of the Mine Tailings and Waste Rock at the Abandoned Cu-Mo-W Azegour Mine (Occidental High Atlas, Morocco)*. Mine Water and the Environment. 32-2 : 121-132.
16. Bossé, B., Bussière, B., Hakkou, R., Maqsoud, A., Benzaazoua, M. (2013) *Assessment of Phosphate Limestone Wastes as a Component of a Store-and-Release Cover in Semiarid Climate*. Mine Water and the Environment. 32-2 : 152-167.

17. Othmani, M., Souissi, F., Benzaazoua, M., Bouzahzah, H., Bussiere, B., Mansouri, A. (2013) *Study of the geochemical behaviour of mine tailings using weathering cells leaching tests: Touiref Pb-Zn district of Touiref (NW Tunisia) case study.* Mine Water and the Environment. 32:28-41.
18. Yilmaz, E., Belem, T., Benzaazoua, M. (2013) *Study of physic-chemical and mechanical characteristics of consolidated and unconsolidated cement paste backfill.* Mineral Resources Management. 29-1: 81-100.
19. Derycke, V., Kongolo, M., Benzaazoua, M., Mallet, M., Barrès, O., De Donato, P., Bussière, B., Mermillod-Blondin, R. (2013) *Surface chemistry characterization of different pyrite size fractions for flotation purposes.* International Journal of mineral processing. 118 : 1-14.
20. Chatain, V., Benzaazoua, M., Loustau Cazalet, M., Bouzahzah, H., Delolme, C., Gautier, M., Blanc, D., De Brauer, C. (2013) *Mineralogical study and leaching behavior of a stabilized harbor sediment with hydraulic binder.* Environmental Science and Pollution Research. 20-1 : 51-59.
21. Bissonnette, B., Courard, L., Beushausen, H., Fowler, D.W., Vaysburd, A.M. (2013) *Recommendations for the repair, the lining or the strengthening of concrete slabs or pavements with bonded cement-based material overlays,* Materials and Structures, 46, pp. 481-494.
22. Courard, L., Bissonnette, B., Garbacz, A., Vaysburd, A.M., Von Fay, K.F., Moczulski, G., Morency, M. (2013) *Effect of misalignment on pulloff test results: numerical and experimental assessments,* ACI Materials Journal, 111(2), March, pp. 153-162.
23. Ferraro, C.C., Boyd, A.J. & Consolazio, G.R. (2013) *Evaluation of damage to bridge piers using pulse velocity tomography.* Journal of Construction and Building Materials, Elsevier, Vol. 38, pp 1303-1309.
24. Bouzahzah, H., Benzaazoua, M., Plante, B., Bussière, B. (2013) *A quantitative approaches for the estimation of the "fizz rating"...,* Applied Geochemistry (Accepted).
25. Awoh. S., Mbonimpa, M., Bussière, B., Plante, B., Bouzahzah, H. (2013) *Laboratory study of sulphide-rich tailings submerged beneath a...,* Mine Water & the Environment (accepted).
26. Awoh. S., Mbonimpa, M., Bussière, B. (2013) *Determination of the reaction rate coefficient of sulphide mine...,* J. of Env. Man., 128: 1023-1032.
27. Maqsoud, A., Bussière, B., Aubertin, M., Mbonimpa, M. (2013) *Conversion of the Modified Kovács model parameters to the Brooks and Corey...,* J. of Irr.Drain.Eng., 139: 388–398.
28. Larchevêque, M., Desrochers, A., Bussière, B., Cartier, H., David, J.-S. (2013) *Revegetation of non-acid-generating thickened tailings...,* J. of Environ. Qual., 42: 1: 351-360.
29. Demers, I., Molson, J.W., Bussière, B., Laflamme, D. (2013) *Numerical modelling of contaminated neutral drainage...,* App. Geochem., 33: 346-356.
30. Fala, O., Molson, J.W., Aubertin, M., Dawood, I., Bussière, B., Chapuis, R.P. (2013) *A numerical modelling approach to assess...,* Intern.J.ofMin.R.&Env., 118: 1-14.
31. Awoh, S.A., Mbonimpa, M., Bussière, B. (2013). *Field study of the chemical and physical stability of highly sulphide-rich tailings stored...,* Mine Water & the Environment, 32: 42-55.

32. Aubertin, M., Bussière, B., James, M., Mbonimpa, M., Chapuis, R.P. (2013) *Revue de divers aspects liés à la stabilité ... : Partie I*, Déchets, Sciences et Techniques, 64: 28-36.
33. Aubertin, M., Bussière, B., James, M., Mbonimpa, M., Chapuis, R.P. (2013) *Revue de divers aspects liés à la stabilité ... : Partie II*, Déchets, Sciences et Techniques, 64: 38-50.
34. Rossi, P., Charron, J.-P., Bastien-Masse, M., Tailhan, J.-L. Le Maou, F., Ramanish, S. (2013) *Tensile and basic creep behavior: comparison between normal strength concrete and very high performance fiber reinforced concrete at early age*, Materials and Structures. NSERC. [<http://www.springer.com/alert/urltracking.do?id=L27f3c0fMcc241fSa85a00b>]
35. DeMontaignac, R., Massicotte, B., Charron, J.-P., (2013) *Finite element modeling of SFRC members in bending*, Magazine of Concrete Research. Vol. 65, N°19, pp. 1133–1146 NSERC. [<http://www.icevirtuallibrary.com/content/article/10.1680/mac.11.00102>]
36. Desmettre, C., Charron, J.-P. (2013) *Water permeability of reinforced concrete under cyclic loads*, ACI Materials Journal, Vol. 110, No 1, pp. 69-88 FQRNT.
37. Shamsipour, P., Marcotte, D., Chouteau, M., Rivest, M., Bouchedda, A. (2013) *3D stochastic gravity inversion using non-stationary covariances*. Geophysics, 78(2), G15–G24.
38. Rodrigues, A., Duchesne, J., Fournier, B., Durand, B., Rivard, P. and Shehata, M., (2013) *Concrete in the 21st Century: Are We Still Fighting Durability Issues?* Canadian Civil Engineering Magazine, 30.5, Canadian Society for Civil Engineering CSCE, winter 2013, 19-21.
39. Duchesne, J. And Fournier, B. (2013) *Deterioration of Concrete by the Oxidation of Sulphide Minerals in the Aggregate*, Journal of Civil Engineering and Architecture, vol. 7, no 8, 922-931.
40. Adams, M.P., Jones, J., Beauchemin, S. Johnson, R., Fournier, B. et al. (2013) Applicability of the AMBT for ASR of recycled concrete aggregates, Adv in Civil Eng. Mat., 2 (1).
41. Venkovic, N., Sorelli, L., Sudret B., Yalamas, T., Gagné, R. (2013) *Uncertainty Propagation of a Multiscale Poromechanics-Hydration Model for Poroelastic Properties of Cement Paste at Early-Ag*, Probabilistic Engineering Mechanics, Vol. 32, 5-20.
42. Joanis, M. (2013). *Sharing the Blame? Local Electoral Accountability and Centralized School Finance in California*, Economics and Politics 25(3), pp. 335–359, nov. 2013.
43. Joanis, M. et Rodriguez, E. (2013) *Public Redistribution and Inequality in a Period of Fiscal Consolidation : A Decomposition Analysis for Canada in the 1980s and 1990s*, Economic Papers : A Journal of Applied Economics and Policy 32(2), pp. 218-238.
44. Zaïdi, A., Masmoudi, R., Amara, A., Laidi, M., Saci, S. (2013) *Numerical Simulation of Thermal Stresses in Prismatic Concrete Beams Reinforced with FRP Bars under Low Temperatures*, Chemistry and Materials Research, Vol. 5, pp. 16-20.
45. El-Zefzafy, H., Mohamed, H., Masmoudi, R. (2013) *Evaluation Effects of the Long-Term Freeze-Thaw Exposure on the Axial Behaviour of Concrete Filled Fiber-Reinforced Polymer Tubes*, (Accepted) Journal of Engineering: [<http://www.hindawi.com/journals/je/>], 12p.

46. Metiche, S., Masmoudi, R. (2013) *Analysis and Design Procedures for the Flexural Behavior of Glass Fiber Reinforced Polymer (GFRP)-Composite Poles*, Journal of Composite Materials, Vol. 47, No. 2, pp. 207-229.
47. Zaidi, A., Masmoudi, R. (2013) *Numerical Analysis of Thermal Stress-Deformation in Concrete Surrounding FRP Bars in Hot Region*, Journal of Construction & Building Materials, Vol. 38, pp. 201-213.
48. Aoude, H., Cook, W.D. and Mitchell, D. (2013) *Two-Way Slab Parking Structures in Canada – Multiple Factors Can Affect Service Life and Safety*, Concrete International, December, pp. 47-54.
49. Aoude, H., Hosinieh, M.M., Cook, W.D. and Mitchell, D. (2013) *Behavior of rectangular Columns Constructed with SCC and Steel Fibers*, ASCE Structural Journal, DOI:[10.1061/\(ASCE\)ST.1943-541X.0000775](https://doi.org/10.1061/(ASCE)ST.1943-541X.0000775), July.
50. Tehrani, P., Goda, K., Mitchell, D., Atkinson, G.M. and Chouinard, L.E. (2013) *Effects of Different Record Selection Methods and Earthquake Types on the Transverse Response of Bridges*, J. of Earthquake Engineering, (Accepted), December.
51. Habibi, F., Cook, W.D. and Mitchell, D. (2013) *Predicting the Post-Punching Shear Response of Slab-Column Connections*, ACI Structural Journal, (Accepted) Sept.
52. Tehrani, P., and Mitchell, D. (2013) *Effects of Column Stiffness Irregularity on the Seismic Response of Bridges in the Longitudinal Direction*, Canadian, Journal of Civil Engineering, 40(8), July, pp 815-825.
53. Tehrani, P. and Mitchell, D. (2013) *Seismic Response of Bridges Subjected to Different Earthquake Types Using IDA*, Journal of Earthquake Engineering, 17(3), pp. 423-448.
54. Saatcioglu, M., Palermo, D., Ghobarah, A., Mitchell, D., Simpson, R., Adebar, P., Tremblay, R., Ventura, C.E., Hong, H. (2013) *Performance of reinforced concrete buildings during the February 27, 2010 Maule (Chile) Earthquake*, Can. J. of Civil Eng., V 40 (8), July, pp 693-710, 10.1139/12012-032.
55. Saatcioglu, M., Tremblay, R., Mitchell, D., Ghobarah, A. Palermo, D., Adebar, P., Ventura, C.E. and Hong, H. (2013) *Performance of Steel Buildings and Non-Structural Elements during the February 27, 2010 Maule (Chile) Earthquake*, Can. J. of Civil Eng., V40 (8), July, pp. 722-734, 10.1139/cjce-2012-0244.
56. Tremblay, R., Mitchell, D. and Tinawi, R. (2013) *Damage to Industrial Structures due to the February 27, 2010 Chile Earthquake*, Can. J. Civil Engineering, 40(8), July, pp 735-749, 10.1139/cjce-2012-0197.
57. Mitchell, D., Huffman, S., Tremblay, R., Saatcioglu, M., Palermo, D., Tinawi, R. and Lau, D. (2013) *Damage to Bridges due to the February 27, Chile Earthquake*, Can. J. Civil Engineering, 40(8), July, pp. 675-692, 10.139/12012-045.
58. Tehrani, P. and Mitchell, D. (2013) *Effects of Column and Superstructure stiffness on the Seismic Response of Bridges in the Transverse Direction*, Can. J. Civil Engineering, 40(8), July, pp. 827-839, 10.149/12012-032.

59. Payrow, P., Nokken, M.R., Banu, D., Schmidt, R., DeWolf, C.E. and Feldman, D. (2013) *Investigation of the Effect of UV and UV-Ozone Treatment of Polyolefin Fiber for Improving Concrete Composite Toughness*, Advances in Civil Engineering Materials, Vol. 2, No.1.
60. Power, G.J., Vedenov, D., Anderson, D. et Klose, S. (2013) *Market Volatility and the Dynamic Hedging of Multi-Asset Price Risk*, Applied Economics, 45, 3891-903.
61. Power, G.J. et Robinson, J.C. (2013) *Commodity Futures Price Volatility, Convenience Yield and Economic Fundamentals*, Applied Economics Letters 20(11): 1089-95.
62. Karali, B. et Power, G.J. (2013). *Short- and Long-Run Determinants of Commodity Price Volatility*, American Journal of Agricultural Economics 95 (3):724-738.
63. Thomsen, M., McKenzie, A. et Power, G.J. (2013) *Was there a Peso Problem in Cattle Options? Evidence from the 2003 BSE Announcement*, Agricultural Finance Review 73(3): 526-538.
64. Bourdi, T., Boone, F., Rhazi, J., Ballivy, G. (2013) *Use of Jonscher model for estimating the thickness of a concrete slab by technical GPR*, Progress In Electromagnetics Research, Vol. 28, pp. 89–99.
65. Bui, D., Kodjo, S.A., Rivard, P., Fournier, B. (2013) *Study of the time-shift technique in indirect and semi-direct transmission configurations for the evaluation of concrete structures subjected to distributed cracking*, Journal of Nondestructive Evaluation, 32: 25-36.
66. He, Z. Yang, H, Shao, Y. and Liu, M (2013) *Early carbonation behavior of no-clinker steel slag binder*, Advances in Cement Research, 25 (6): 342-351.
67. Morshed A. and Shao, Y. (2013) *Influence of moisture content on CO₂ uptake in lightweight concrete*, J. of Sustainable Cement-Based Materials, 2(2), 144-160.
68. El-Hassan, H., Shao, Y. and Ghouleh, Z. (2013) *Effect of initial hydration on carbonation of concrete masonry units*, ACI Materials Journal. July-August, 110(4): 441-450.
69. El-Hassan, H., Shao, Y. and Ghouleh, Z. (2013) *Reaction Products in Carbonation-Cured Lightweight Concrete*, J. Materials in Civil. Engineering, 25(6), 799–809.
70. Venkovic, N., Sorelli, L., Martirena, F. (2013) *Nanoindentation study of calcium silicate hydrates in concrete produced with effective microorganisms-based bioplasticizer*, Elsevier, Cement and Concrete Composites, Available online 12 December.
71. Guidara, A., Lai, V.S., Soumaré, I. & Tchana, F. (2013) *Banks' Capital Buffers, Risk and Performance in the Canadian Banking System: Impact of Business Cycles and Regulatory Changes*, Journal of Banking & Finance, Vol. 37, No. 9, pp. 3373-3387.
72. Soumaré, I. (2013) *Incentives and Voluntary Investment in Employer Shares*, Economic Notes, Vol. 42, No. 1, pp. 1-17.
73. Soumaré, I., K. Amenounvé, E., Diop, O., Meité, D. & N'Sougan, Y.D. (2013) *Applying the CAPM and the Fama-French Model to the BRVM Stock Market*, Applied Financial Economics, Vol. 23, No. 4, 275-285.

74. N'Sougan, Y.D. & Soumaré, I. (2013) *Modeling Sovereign Default Risk: Comparing Models and Capturing the Impact of the Business Cycle*, Journal of Risk Management in Financial Institutions, Vol. 6, No. 1, pp. 75-96.
75. Idir, R., Cyr, M., Tagnit-Hamou, A. (2013) *Role of the nature of reaction products in the differing behaviours of fine glass powders and coarse glass aggregates used in concrete*, Mater Struct, 46(1-2), 233-243.
76. Wilson, W., Tagnit-Hamou, A. (2013) *Workability and Hydration of Superplasticized Cementitious Mixtures with Rice Husk Ash*, ACI Mat J,11(5), 491-500.
77. Hussein A., Yahia A., Tagnit-Hamou A. (2013), *Statistical Modeling of the effect of glass powder on concrete mechanical and transport properties*, ACI Material Journal, M-2013-226.
78. Boukhatem B., Kenai S., Tagnit-Hamou A., Ghrici M. (2013), *Development of a Computer Integrated Knowledge System for Concrete with Additives*, J. Comput. Civil Eng. CPENG-817.
79. Hadjoudja M., Khenfer M.M., Mesbah H.A., Yahia A., *Statistical Models to Optimize Fiber-Reinforced Dune Sand Concrete*, Arab Journal of Sciences and Engineering, 23p. (disponible online, 09/2013).
80. Hammoud, R., Boukhili, R., Yahia, A. *Unified Formulation for a Triaxial Elastoplastic Constitutive Law for Plain Concrete*. Materials 2013, 6, 4226-4248; doi:10.3390/ma6094226.
81. Hammoud, R., Boukhili, R., Yahia, A. (2013) *3D Elastoplastic Constitutive Law for Concrete at High Temperature: Chemoplastic Modeling*, 24p, May, Journal of Structural Fire Engineering (accepté).
82. Hammoud, R., Boukhili, R., Yahia, A. *Chemoplastic modelling for concrete at high temperature*, Journal of Structural Fire Engineering (accepté, 05/2013). 19p.

2012

1. Bourdi, T., Rhazi, J-E., Boone, F., Ballivy, G. (2012) *Modeling dielectric-constant values of concrete: an aid to shielding effectiveness prediction and ground-penetrating radar wave technique interpretation*, Journal of Physics D: Applied Physics, 45(40).
2. Moradian, Z.A., Ballivy, G., Rivard, P. (2012) *Application of acoustic emission for monitoring shear behavior of bonded concrete-rock joints under direct shear test*, Canadian Civil Engineering Journal, 39(8) : 887-896.
3. Moradian, Z.A., Ballivy, G., Rivard, P. (2012) *Correlating acoustic emission sources with damaged zones during direct shear test of rock joints*, Canadian Geotechnical Journal, 49(6) : 710-718.
4. Rousseau, B., Rivard, P., Marache, A., Ballivy G., Riss J. (2012) *Limitations of laser profilometer limitations in measuring surface topography for polycrystalline rocks*, International Journal of Rock Mechanics and Mining Science, 52 : 56-60.

5. Hamrouche, R., Klysz, G., Balayssac, J.-P., Rhazi, J., Ballivy, G. (2012) *Numerical simulations and laboratory tests to explore the potential of GPR in detecting unfilled joints in brick masonry structures*, International Journal of Architectural Heritage, 6(6) : 648-664.
6. Mofidi, A., Chaallal, O., Benmokrane, B., and Neale, K. (2012). *Experimental Tests and Design Model for RC Beams Strengthened in Shear Using the Embedded Through-Section FRP Method*. ASCE Journal of Composite for Construction, Vol. 16, No. 5, Sept./Oct., pp. 540-550.
7. Tobbi, H., Farghaly, A., and Benmokrane, B. (2012). *Concrete Columns Reinforced Longitudinally and Transversally by GFRP Bars*. ACI Structural Journal, Vol. 109, No. 4, July/August, pp. 551-558.
8. El-Sayed, A. K., El-Salakawy, E. F., and Benmokrane, B. (2012) *Shear Strength of FRP Reinforced Deep Beams without Web Reinforcement*. Canadian Journal of Civil Engineering, Vol. 39, pp. 546-555.
9. Mofidi, A., Chaallal, O., Benmokrane, B., and Neale, K.W. (2012). *Performance of End-Anchorage Systems for RC Beams Strengthened in Shear with Epoxy-Bonded FRP*. ASCE Journal of Composite for Construction, Vol. 16, No. 3, May/June, pp. 322-331.
10. Kassem, C., Farghaly, A., and Benmokrane, B. (2012). *Evaluation of Flexural and Serviceability Performance of Concrete Members Reinforced with FRP Bars*. ASCE Journal of Composite for Construction, Vol. 15, No. 5, Sept./Oct., pp. 682-695.
11. Yilmaz E., Belem T., Benzaazoua M. (2012) *One-dimensional consolidation parameters of cemented paste backfill*. Mineral Resources Management. 28-4: 29-45.
12. Chou, C. L., Chouteau, M., Benzaazoua, M. (2012) *Laboratory Characterization of Mining Cemented Rockfill by NDT Methods: Experimental Set-up and Testing. Nondestructive testing of materials and structures*. RILEM Book series, Volume 6, Part 8, 935-941.
13. Genty, T., Bussière B., Benzaazoua, M., J. Zagury G. (2012) *Capacity of Wood Ash Filters to Remove Iron from Acid Mine Drainage: Assessment of Retention Mechanism*. Mine Water and the Environment. 31: 273–286.
14. Coussy, S. Paktunc, D., Rose, J., Benzaazoua, M. (2012) *Arsenic speciation in cemented paste backfills and synthetic calcium-silicate-hydrates*. Minerals Engineering. 39 : 51–61.
15. Genty, T., Bussière, B., Potvin, R., Benzaazoua, M., Zagury, J.G. (2012) *Dissolution of calcitic marble and dolomitic rock in high iron concentrated acid mine drainage: application to anoxic: Application to anoxic limestone drains*. Environmental earth sciences, 66-8 : 2387-2401.
16. Plante, B., Bussière, B., Benzaazoua, M. (2012) *Static tests response on 5 Canadian Hard Rock mine tailings with low acid generating potentials*. Journal of Geochemical Exploration. 114:57-69.
17. Peyronnard O., Benzaazoua M. (2012) *Alternative by-product based binders for cemented mine backfill: recipes optimization using the Taguchi Method*. Minerals Engineering. 29: 28-38.

18. Coussy, S., Benzaazoua, M., Banc, D., Moszkowicz, P., Bussière, B. (2012) *Arsenic Assessment of arsenic immobilization in synthetically prepared cemented paste backfill specimens*. Journal of Environmental Management. 93 : 10-21.
19. Garbacz, A., Courard, L., Bissonnette, B. (2012) *A surface engineering approach applicable to concrete repair engineering*, Bulletin of the Polish Academy of Sciences (accepté pour publication).
20. Bissonnette, B., Courard, L., Beushausen, H., Fowler, D.W., Silfwerbrand, J., Vaysburd, A.M. (2012) *Recommendations for the repair, the lining or the strengthening of concrete slabs or pavements with bonded cement-based material overlays*, Materials and Structures, août, 14p.
21. Tittlein, P., Cloutier, A., Bissonnette, B. (2012) *Design of a low-density wood–cement particleboard for interior wall finish*, Cement and Concrete Composites, 34(2), février, p. 218-222.
22. Courard, L., Bissonnette, B., Vaysburd, A.M., Bélair, N., Lebeau, F. (2012) *Comparison of destructive methods to appraise the mechanical integrity of a concrete surface*, Concrete Repair Bulletin, International Concrete Repair Institute, 25(4), juillet-août, p. 22–30.
23. Rostami, V., Shao, Y. & Boyd, A.J. (2012) *Carbonation Curing versus Steam Curing for Precast Concrete Production*. Journal of Materials in Civil Engineering, ASCE, Vol. 24, No. 9, pp 1221-1229.
24. Kim, B., Roque, R. & Boyd, A.J. (2012) *Influence of transport properties on the determination of conditioning and thickness to obtain uniformly damaged FRC specimens*, Journal of Construction & Building Materials, Elsevier, Vol. 31, pp 334-340.
25. Rostami, V., Shao, Y., Boyd, A.J. & He, Z. (2012) *Microstructure of cement paste subject to early carbonation curing*. Cement & Concrete Research, Elsevier, Vol. 42, No. 1, pp 186-193.
26. Maqsoud, A., Bussière, B., Aubertin, M., Mbonimpa, M. (2012) *Predicting hysteresis of the water retention curve from basic properties of...*, Geot. and Geol. Eng., 30: 1147-1159.
27. Molson, J.W., Aubertin, M., Bussière, B. (2012) *Reactive transport modelling of acid mine drainage within discretely fractured...*, Environ. Model. Softw., 38: 259-270.
28. Maqsoud, A., Bussière, B., Aubertin, M., Plante, B. Cyr, J. (2012) *Tracer tests to evaluate hydraulic...*, Intern.J.ofMin.R.&Env., 26: 275-291.
29. Dagenais, A.M., Mbonimpa, M. Bussière, B., Aubertin, M. (2012). *A modified oxygen consumption test to evaluate...*, Geot.Test.J., 35: Paper ID GTJ103621.
30. Desmettre, C., Charron, J.-P. (2012) *Water permeability of reinforced concrete under static and constant loads*, Cement and Concrete Research, Volume 42, Issue 7, July 2012, pp. 945-952. FQRNT. doi:10.1016/j.cemconres.2012.03.014.
31. De Montaignac, R., Massicotte, B., Charron, J.-P. (2012) *Design of SFRC structural elements: Flexural behavior prediction*, Materials & Structures, Vol. 45, N° 4, pp. 623-636, DOI 10.1617/s11527-011-9785-y. NSERC.

32. De Montaignac, R., Massicotte, B., Charron, J.-P., Nour, A. (2012) *Design of SFRC structural elements: Post cracking tensile strength measurement*, Materials & Structures, Vol. 45, N° 4, pp. 609-622, DOI 10.1617/s11527-011-9784-z. NSERC.
33. Shamsipour, P., Marcotte, D. and Chouteau, M. (2012) *Integrating multi-scale parameters information into 3D stochastic magnetic inversion*. Geophysics, 77(4), D85-D93.
34. Bouchedda, A., Chouteau, M., Binley, A. and Giroux, B. (2012) *2-D joint structural inversion of crosshole electrical resistance and ground penetrating radar travel time data. Special issue on Near-Surface Seismic and GPR methods*, Journal of Applied Geophysics, 78, 52-67.
35. Rodrigues, A., Duchesne, J., Fournier, B. Durand, B., Rivard, P. and Shehata, M. (2012) *Mineralogical and chemical assessment of concrete damaged by the oxidation of sulfide-bearing aggregates: Importance of thaumasite formation on reaction mechanisms*, Cement and Concrete Research, 42 (10): 1336-1347.
36. Oueslati, O. and Duchesne, J. (2012). The effect of SCMs on the corrosion of rebar embedded in mortars subjected to an acetic acid attack, Cement and Concrete Research, 42, 467-475.
37. Oueslati, O. and Duchesne, J. (2012) *The effect of SCMs and curing time on resistance of mortars subjected to organic acids*, Cement and Concrete Research, 42, 205-214.
38. Pronost, J., Beaudoin, G., Lemieux, J-M., Hébert, R., Marcouiller, S., Klein, M, Duchesne, J., Molson, J., Larachi, F. and Maldagne, X. (2012). CO₂-depleted warm air venting from chrysotile milling waste (Thetford Mines, Canada): Evidence for in-situ carbon capture from the atmosphere, Geology, 40 (3) 275-278.
39. Thomas, M.D.A., Hooton, R.D., Rogers, C.A., Fournier, B. (2012) 50 years old and still going strong. Concrete International, 34(1): 35-40.
40. Gagné R., Argouges, M. (2012) *A study of the natural self-healing of mortars using air-flow measurements*, Materials & Structures, Vol. 45, n° 11, 1625-1638.
41. Farvaque, É., Foucault, M. et Joanis, M. (2012) *Les règles budgétaires dans les provinces canadiennes : Nomenclatures et éléments d'analyse*, L'Actualité économique 88, no. 3 (sept. 2012).
42. Mohamed, H., Masmoudi, R. (2012) *Effect of Test Parameters on Flexural Strength of Circular FRP-Confined Concrete Beams*, Journal of Reinforced Plastics and Composites, Vol. 31, No. 13, pp. 897-914.
43. *El Zefzafy, H., Mohamed, H., Masmoudi, R. (2012) Effect of Short and Long Term Freeze-Thaw Cycling on the Mechanical Behavior of Filament Wound FRP-Tubes*, International Journal of Microstructure and Materials Properties (IJMMP), Vol. 7, no. 5, pp. 439-450.
44. Zaidi, A., Masmoudi, R. (2012) **Numerical Analysis of Thermal Behavior of Concrete Cover Around FRP-Bars in Cold Region**, Arabian Journal for Science and Engineering, Vol. 36, No. 2, pp. 489-504, [<http://www.springerlink.com/content/f6r2357n3vl35g52/>].
45. Ben Ftima, M. and Massicotte, B. (2012) *Development of a reliability framework for the use of advanced nonlinear finite elements in the design of concrete structures*. ASCE Journal of Structural Engineering. 138 (8), 1054-1064.

46. Théoret, P., Massicotte B. and Conciatori, D. (2012) *Analysis and Design of Straight and Skewed Slab Bridges*. ASCE Journal of Bridge Engineering. 17 (2), 289-301.
47. Aoude, H., Cook, W.D. and Mitchell, D. (2012) *Effects of Simulated Corrosion and Delamination on the Response of Two-way Slabs*, ASCE Structural Journal, Nov, 9 p, 10.1061/(ASCE)ST.1943-541X.0000775.
48. Layssi, H, Cook, W.D. and Mitchell, D. (2012) *Seismic Response and CFRP Retrofit of Poorly Detailed Shear Walls*, ASCE J. of Composites for Construction, V. 16, N. 2, May/June, pp. 332-339.
49. 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), July, pp. 799 - 811.
50. Aoude, H., Belghiti, M., Cook, W.D., Mitchell, D. (2012) *Response of SFRC Beams with and without Stirrups*, ACI Structural Journal, V. 109, N. 3, May-June.
51. Habibi, F., Redl, E., Egberts, M., Cook, W.D. and Mitchell, D. (2012) *Assessment of CSA A23.3 Structural Integrity Requirements for Two-Way Slabs*, Can. J. Civil Engineering, V39, pp. 351-361.
52. Yang, J-M., Lee, J.H., Yoon, Y-S., Cook, W.D. and Mitchell, D. (2012) *Influence of Steel Fibers and Headed Bars on the Serviceability of High-Strength Concrete Corbels*, ASCE Structural Journal, V138, N1, January, pp. 123-129.
53. Mohammadi Ahani, R., Nokken, M.R. (2012) *Salt scaling resistance – the effect of curing and pre-saturation*, Construction and Building Materials, Vol. 26, No. 1, pp. 558-564.
54. Belattar, S., Rhazi, J., Elballouti, A. (2012) *Non destructive testing by infra-red thermography of the void and honeycomb type defect in the concrete*, Int. J. of Microstructure & Materials Properties, Vol. 7 (2/3), pp 235-253.
55. Martin, F.A., Rivard, P. (2012) *Effects of freezing and thawing cycles on the shear resistance of concrete cold joints*, Canadian Journal of Civil Engineering, 39: 1089-1099.
56. Boukhatem, B., Ghrici, M., Kenai, S., Tagnit-Hamou, A. (2012) *Predicting concrete properties using neural network (NN) with principal component analysis (PCA) technique*, Computers and Concrete, 10(6), 557-574.
57. Fares, G., Tagnit-Hamou, A. (2012) *Development of C/S ratio in blended cement system from the chemical composition of non-hydrated cementitious materials*, Can J Civ Eng (Accepté) 2012-0407.
58. Tagnit-Hamou, A., Bengougam, A. (2012) *The use of glass powder as supplementary cementitious material*, Concr Int, 34(3), 56-61.
59. Khayat, K. H., Omran, A. F., Naji, S., Billberg, P., Yahia, A. (2012) *Field-oriented test methods to evaluate structural build-up at rest of flowable mortar and concrete*, Materials and Structures, Volume 45, Number 10, pp.1547-1564.
60. Feys, D., Wallevik, J. E. Yahia, A., Khayat, H. K., and Wallevik, O., (2012) *Extension of the Reiner-Riwlin Equation for Retrieving Modified Bingham Parameters Measured in Coaxial Cylinders Rheometers*, Materials & Structures (online, 07/2012). 27p.

61. Yahia, A., Khayat, K., Sayed, M. (2012) *Statistical modelling of the coupled effect of mix design and rebar spacing on restricted flow characteristics of SCC*, Constr. & Build. Mat., V. 37, pp. 699-706.

2011

1. Bouguerra, K., Ahmed, E., and Benmokrane, B. (2011). *Testing of Full-Scale Concrete Bridge Deck Slabs Reinforced with Fiber Reinforced Polymer (FRP) Bars*. Construction & Building Materials Journal, Vol. 25, pp. 3956-3965.
2. Chaallal, O., Mofidi, A., Benmokrane, B., and Neale, K. (2011). *Embedded Through-Section FRP Rod Method for Shear Strengthening of RC Beams: Performance and Comparison with Existing Techniques*. ASCE Journal of Composite for Construction, Vol. 15, No. 3, May/June, pp. 374-383.
3. Sharbatdar, M.K., Saatcioglu, M., and Benmokrane, B. (2011). *Cyclic Flexural Behaviour of Concrete Connections Reinforced with CFRP Bars and Grids*. Elsevier Journal of Composites Structures, Vol. 93, Issue 10, pp. 2439-2449.
4. Robert, M., Cousin, P., Fam, A., Benmokrane, B. (2011) *Effect of the Addition of Modified Mica on Mechanical and Durability Properties of FRP Composite Materials for Civil Engineering*. Polymer Composites, 32(8):1202-1209.
5. Soliman, S.M., El-Salakawy, E., Benmokrane, B. (2011). *Bond Behaviour of Near Surface Mounted FRP Bars*. ASCE Journal of Composite for Construction, Vol. 15, No. 1, Jan./Feb., pp. 103-111.
6. Robert, M., Cousin, P., Benmokrane, B. (2011). *Study of the Performance of FRP Reinforcing Bars Subjected to Extreme Conditions of Application*. Revue Les Annales du Bâtiment et des Travaux Publics, No.1, Feb., pp. 9-27.
7. Ahmed, E., and Benmokrane, B. (2011). *Static Testing of Full-Scale Concrete Bridge Barriers Reinforced with GFRP Bars*. ACI SP-275, pp. 5.1-5.20.
8. Youssef, T., and Benmokrane, B. (2011). *Creep Behaviour and Tensile Properties of GFRP Bars under Sustained Service Loads*. ACI SP-275, pp. 39.1-39.20.
9. Mermillod-Blondin, R., Benzaazoua, M., Kongolo, M., De Donato, P., Bussière, B., Marion, P. (2011) *Development and calibration of a quantitative, automated mineralogical assessment method based on SEM-EDS and image analysis: Application for fine tailings*. Journal of Mineral and Materials Characterization and Engineering, 10-12:1111-1130.
10. Peyronnard, O., Benzaazoua, M. (2011) *Estimation of the cementitious properties of various industrial by-products for applications requiring low mechanical strength*. Resources, Conservation & Recycling, 56 ; 22– 33.
11. Yilmaz, E., Belem, T., Bussière, B., Benzaazoua, M. (2011) *Relationships between microstructural properties and compressive strength of consolidated and unconsolidated cemented paste backfills*. Cement and Concrete Composite, 33-6 : 702-715
12. Deschamps, T., Benzaazoua, M., Bussière, B., Aubertin, M. (2011) *Laboratory study of surface paste disposal for sulfidic tailings: Physical model testing*. Minerals Engineering, 24-8 : 794-806

13. Plante, B., Benzaazoua, M., Bussière, B. (2011) *Contaminated neutral drainage prediction: kinetic testing and sorption studies by modified weathering cells*. Mine Water and the Environment. 30-1 : 22-37.
14. Plante, B., Benzaazoua, M., Bussière, B. (2011) *Geochemical behavior of waste rock with low acid generating potential using laboratory kinetic tests*. Mine Water and the Environment.30-1 : 2-21.
15. Coussy, S., Benzaazoua, M., Banc D., Moszkowicz, P., Bussière, B. (2011) *Arsenic stability in arsenopyrite-rich cemented paste backfills: a leaching test-based assessment*. Journal of Hazardous materials, 185-2/3: 1467-1476.
16. Yilmaz, E., Belem, T., Benzaazoua, M., Kesimal, A., Ercikdi, B., Cihangir, F. (2011) *Use of high-density paste backfill for safe disposal of copper/zinc mine tailings*. Mineral Resources Management. 27-3: 81-94.
17. Dham, M., Boyd, A.J. & Birgisson, B. (2011) *Evaluation of the Addition of Phosphatic Clay in Cement Paste and Concrete*, International Journal of Materials Engineering and Technology, Pushpa Publishing, Vol. 5, No. 2, pp 101-114.
18. Kim, B., Boyd, A.J. & Lee, J.-Y. (2011) *Durability performance of fiber-reinforced concrete in severe environments*, Journal of Composite Materials, Sage Publications. Vol. 45, No. 23 pp 2379-2389.
19. Hartell, J.A., Boyd, A.J. & Ferraro, C.C. (2011) *Sulfate Attack on Concrete: Effect of Partial Immersion*. Journal of Materials in Civil Engineering, ASCE, Vol. 23, No. 5, pp 572-579.
20. Rostami, V., Shao, Y., & Boyd, A.J. (2011) *Durability of concrete pipes subjected to combined steam and carbonation curing*, Journal of Construction and Building Materials, Elsevier, Vol. 25, No. 8, pp 3345-3355.
21. Kim, B., Boyd, A.J. & Lee, J.Y. (2011) *Effect of Transport Properties of Fibre Types on Steel Reinforcement Corrosion*, Journal of Composite Materials, Sage Publications, Vol. 45, No. 8, pp 949-959.
22. Demers, I., Bussière, B., Aachib, M., Aubertin, M. (2011) *Repeatability evaluation of instrumented column tests...*, Water, Air and Soil Pollution, 219 : 113-128.
23. Smirnova, E., Bussière, B., Tremblay, F., Bergeron, Y. (2011) *Vegetation succession and impacts of bio-intrusion on covers...*, J. of Environ. Qual., 40: 1: 133-143.
24. Desmettre, C., Charron, J.-P. (2011) *Towards elaboration of design criteria at serviceability of fiber reinforced concrete structures*, ACI SP-280: Advances in FRC durability and field applications, pp. 1-10. FQRNT.
25. Duchesneau, F., Charron, J.-P., Massicotte, B. (2011) *Hybrid and monolithic precast bridge parapets in high and ultra high performance fibre reinforced concretes*, Canadian Journal of Civil Engineering, Vol. 38, N° 8, August, pp. 859-869. NSERC.
26. Nour, A., Massicotte, B., DeMontaignac, R., Charron, J.-P. (2011) *Derivation of a crack opening deflection relationship for fibre reinforced concrete panels using a stochastic model and application for predicting the flexural behaviour of round panels using stress crack*

opening diagrams, Cement and Concrete Research, Vol. 41, No9, May, pp. 964–974, DOI:10.1016/j.cemconres.2011.05.003, NSERC.

27. Desmettre, C., Charron, J.-P. (2011) *Novel water permeability device for reinforced concrete specimens under loads*, Materials and Structures, Vol. 44, No 9, pp. 1713-1723, DOI: 10.1617/s11527-011-9729-6 FQRNT
28. Charron, J.-P., Niamba, E., Massicotte, B. (2011) *Static and Dynamic behavior of precast bridge parapets in high and ultra high performance fiber reinforced concretes*, ASCE Bridge Engineering, Vol 16, No 3, p. 413-421, DOI: 10.1061/(ASCE)BE.1943-5592.0000159. NSERC.
29. Shamsipour, P., Marcotte, D. and Chouteau, M. (2011) *Stochastic inversion of a gravity field on multiple scale parameters using surface and borehole data*. Geophysical Prospecting, 59: 998-1012.
30. Shamsipour, P., Marcotte, D. and Chouteau, M. (2011) *3D stochastic joint inversion of gravity and magnetic data*. Journal of Applied Geophysics, 79: 27-37.
31. Shamsipour, P., Chouteau, M., Marcotte, D. (2011) *3D stochastic inversion of magnetic data*, Journal of Applied Geophysics 73, 336–347.
32. Maqsoud, A., Bussière, B., Aubertin, M., Mbonimpa, M., Chouteau, M. (2011) *Field investigation of a suction break designed to control oxygen barrier slope-induced desaturation*, Can Geotechnical J, 48:(1) 53-71, 10.1139/T10-045.
33. Shamsipour, P., Marcotte, D., Chouteau, M., and Allard, M. (2011) *Stochastic inversion of a gravity field on multiple scale parameters using surface and borehole data*, Geophysical Prospecting, doi: 10.1111/j.1365-2478.2011.00984.
34. Pronost, J., Beaudoin, G., Tremblay, J., Larachi, F., Duchesne, J., Hébert, R. et Constantin, M. (2011) Carbon sequestration kinetic and storage capacity of ultramafic mining waste, Environmental Science & Technology, 45, 9413-9420.
35. Fathifazl, G., Razaqpur, A.G., Isgor, O.B., Abbas, A., Fournier, B., Foo, S. (2011) Creep and drying shrinkage of concrete produced with coarse RCA. Cem and Conc Comp, 33(10): 1026-37.
36. Bouzoubaâ, N., Bilodeau, A., Fournier, B. et al. (2011) Deicing salt scaling resistance of concrete incorporating fly ash and (or) silica fume. Can J of Civ Eng, 38: 373-82.
37. Fathifazl, G., Razaqpur, A.G., Isgor, O.B., Abbas, A., Fournier, B., Foo, S. (2011) Shear capacity evaluation of steel reinforced recycled concrete (RRC) beams. Eng Struc J, 33(3): 1025-33.
38. Gagné, R., Houéhanou, E, Jolin, M., Escaffit, P. (2011) *Study of the relationship between scaling resistance and sorptivity of concrete*, Revue canadienne de génie civil, Vol. 38, n° 11, 1238-1248.
39. Bouzoubaa, N., Bilodeau, A., Fournier, B., Hooton, R.D., Gagné, R., Jolin, M. (2011) *Deicing salt scaling resistance of concrete incorporating fly ash and (or) silica fume : Laboratory and field sidewalk test data*, Revue canadienne de génie civil, Vol. 38, n° 4, 373-382.

40. Zaïdi, A., Masmoudi, R. (2011) *Combined Effect of Moisture and Temperature on Concrete Cover Surrounding GFRP Bars*, Arabian Journal for Science and Engineering, Vol. 36, No. 7, pp. 1221-1239, [<http://link.springer.com/article/10.1007/s13369-011-0122-0>].
41. Masmoudi, R., Mohamed, H. (2011) *Axial Behavior of Concrete-Filled FRP Tube-Slender Columns Reinforced with Steel and Carbon FRP Bars*, ACI- Special Publication, 10th Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures FRPRCS 10, Tampa, Florida, USA, 20p.
42. Mohamed, H., Masmoudi, R. (2011) *Deflection Prediction of Steel and FRP-Reinforced Concrete-Filled-FRP-Tube Beams*, ASCE-Journal of Composites for Construction, Vol. 15, No. 3, 13p.
43. Masmoudi, R., Masmoudi, A., Ben-Ouezdou, M., Daoud, A. (2011) *Long term Bond Properties of GFRP Rebars under Temperature*, Journal of Building and Construction Materials, Vol. 25., No. 2, pp. 486-493.
44. Bellakahel, H., Zaïdi, A., Masmoudi, R., Bouhicha, M. (2011) *Combined Effect of Sustained Load And Freeze/Thaw Cycles on the Flexural Behaviour of One-Way GFRP Reinforced Concrete Slabs*, Canadian Journal of Civil Engineering, Vol. 40, pp. 1-8.
45. Khaled, A. Tremblay, R. and Massicotte, B. (2011) *Effectiveness of the 30%-rule at predicting the elastic seismic demand on bridge columns subjected to bi-directional earthquake motions*. Engineering Structures, Vol. 33, No. 8, pp. 2357-2370.
46. Khaled, A. Tremblay, R. and Massicotte, B. (2011) *Combination rule for the prediction of the seismic demand on columns of regular bridges under bi-directional earthquake components*. Canadian Journal of Civil Engineering, Vol. 38, pp 798-709.
47. Khaled, A., Massicotte, B. and Tremblay, R. (2011) *Cyclic Testing of Large-Scale Rectangular Bridge Columns under Bi-Directional Earthquake Components*. ASCE Journal of Bridge Engineering. Vol.16, No.3, pp. 351-363.
48. Mitchell, D., Marchand, J., Croteau, P. and Cook, W.D., (2011) *The Concorde Overpass Collapse – Structural Aspects*, ASCE Journal of Performance of Constructed Facilities, Nov/Dec., pp. 545-553.
49. Payrow, P., Nokken, M.R., Banu, D. and Feldman, D. (2011) *Effect of Chemical Surface Treatment on the Post-Crack Residual Strength and Toughness of Fiber Reinforced Concrete*, Journal of Composite Materials, Vol. 45, No. 20, pp. 2047-2054.
50. Kodjo, S.A., Rivard, P., Cohen-Tenouji, F., Gallias, J.L. (2011) *Impact of the alkali-silica reaction products on slow dynamics behavior of concrete*, Cement & Concrete Research, 41(4):422-428.
51. Megat Johari, M.A., Brooks, J.J., Kabir, S., Rivard, P. (2011) *Influence of supplementary cementitious materials on engineering properties of high strength concrete*, Const. & Build. Mat., 25(5) : 2639–2648.
52. Hosseini, M.M., Shao, Y. and Whalen, J. K. (2011) *Biocement production from silicon-rich plant residues: Perspectives and future potential in Canada*, Biosystems Engineering, 110, 351-362.

53. He, Z., Wang, L., Shao, Y. and Cai, X. (2011) *Effect of decalcification on CSH gel microstructure in cement paste*, J. of Building Materials, 14(3), 293-298.
54. Shao, Y. and Lin, X., (2011) *Early-Age Carbonation Curing of Concrete Using Recovered CO₂*, Concrete International, September, 50-56.
55. Sorelli, L., Vallée, D., Alizadeh, R., Beaudoin, J.J., Randall, N. (2011) *Disclosing the mechanical properties of green calcium-silicate-hydrates by statistical nanoindentation techniques*, Advanced Materials Research, November, 409, 544-549.
56. Arroudj, K., Zenati, A., Oudjit, M.N., Bali, A., Tagnit-Hamou, A. (2011) [Reactivity of fine quartz in presence of silica fume and slag](#), Engineering, 3(6), 569-576.
57. Saeed H., Ebead, U., Tagnit-Hamou, A., Neal K. (2011) *Stoichiometric study of activated glass powder hydration*, Advances in Cement Research, 24(2), 91-101.
58. Harbec, D., Gitzhofer, F., Tagnit-Hamou, A. (2011) *Induction plasma synthesis of nanometric glass powder (NSGP) for use in cementitious materials*, **Powder technol**, **214**, **356-364**.
59. Boukhatem B., Kenai S., Tagnit-Hamou A., Ghrici M. (2011) *Application of New Information Technology on Concrete: An Overview*, J. Civil Engineering and Management, 17(2) 248-258.
60. Boukhatem, B., Ghrici, M., Kenai, S. and Tagnit-Hamou, A. (2011) *Prediction of the Efficiency of ggbs in Concrete Using Artificial Neural Networks*, ACI Mater. J., 108(1) 55-63.
61. Meddah, M., Tagnit-Hamou, A. (2011) *Evaluation of rate of deformation for early-age concrete shrinkage analysis and time zero determination*, J. Mater. Civ. Eng., 23(7) 1076-1086.
62. Idir, R., Cyr, M., Tagnit-Hamou, A. (2011) *Pozzolanic Properties of fine and coarse color-mixed glass cullet*, Cement & Concrete Composites, 33, 19-29.
63. Yahia, A., Khayat, K.H., Bizien, G. (2011) *Use of Self-Consolidating Concrete to Cast Large Concrete Pipes*, Can. J. Civ., Eng. 38 pp. 1112–1121.
64. Mesbah, H.A., Yahia, A. and Khayat, K.H. (2011) *Electrical Conductivity Device to Assess Static Stability of Self-Consolidating Concrete*, Cement and Concrete Research, 41 (5), pp. 451-458.
65. Yahia, A. (2011) *Shear-thickening behavior of high-performance cement grouts — Influencing mix-design parameters*, Cem.&Con. Res., Vol. 41 (2), pp. 230–235.

2014

1. Ben Amor, M. et Marie Pellat (2014), *Avoided life cycle impacts as a consequence to wind generation: Evidence that zonal congestion matters from Ontario (Canada) temporal data*, SETAC Europe 24th Annual Meeting, Basel, Switzerland, 11-15 mai, 2p.
2. Véronique Bisailon, Ben Amor, M. et Alain Webster (2014), *Sustainable development integration strategies in higher education: Case study of two universities and five colleges in Quebec*, SETAC Europe 24th Annual Meeting in Basel, Switzerland, 11-15 mai, 2p.
3. Ballivy, G., Rivard, P., (2014) *Le suivi des ouvrages en béton au Québec, les enjeux et les besoins*, Congrès Diagnobéton 2014, 19-20 mars, Toulouse, France. Filali, B., Rhazi, J., Boone, F., Ballivy, G. (2014) *Adaptation de la simulation de la réponse GPR pour l'auscultation des infrastructures : Application de la méthode des éléments finis*, Congrès Diagnobéton 2014, 19-20 mars, Toulouse, France.
4. Fiset, M., Bastien, J. and Mitchell, D. (2014) *Drilled-in Shear Reinforcement for Concrete Thick Slabs: Modelling aspects*. 10th International fib PhD Symposium, Québec, Canada, July 21-23, pp. 481-486.
5. Pissot, F., Allard, A., Bastien, J., Fournier, B., Bissonnette, B. and Mitchell, D. (2014) *Evaluation of the structural performance of thick concrete slabs affected by alkali-silica reaction (ASR)* Evaluation of the structural , 9th International Conference on Small and Medium Span Bridge, Canadian Society of Civil Engineering, July 15th to 18th, Calgary, Canada. Paper ID- 273.
6. Mbianda, T.C., Power, G., Bastien, J. and Gagné, A. (2014) *Optimal Infrastructure Investment as a Real Option: A Monte Carlo Approach*, 9th International Conference on Small and Medium Span Bridge, Canadian Society of Civil Engineering, July 15th to 18th, Calgary, Canada. Paper ID-335.
7. Fiset, M., Bastien, J. and Mitchell, D. (2014) *Experimental and Analytical Studies of Strengthening Using Post-Installed bonded Shear Reinforcement*, 15th International Conference on Structural Faults and Repair, Imperial College, London, UK, Ref no 1145.
8. Matte, J-S., Annan, C.D., Bastien, J. (2014) *Seismic Behaviour of Multi-Storey Buildings with Asymmetric Setback - the Effect of the Degree and Level of Setback*. 4th International Structural Specialty Conference, 27 May – 1 June, Halifax, Nova Scotia, Canada. Paper CST106. 10 pp.
9. D'Amours, A., Mohamed, H., Chekired, M., and Benmokrane, B. (2014) *Experimental Evaluation of Underground Concrete Chambers Reinforced with GFRP Bars*, Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE2014), Vancouver, Canada, August 20-22, 6 p.
10. Bricola, J., Ahmed, E., Benmokrane, B., and Thebeau, D. (2014) *Structural Testing of GFRP Dowels in Jointed Plain Concrete Pavements*, Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE2014), Vancouver, Canada, August 20-22, 6 p.

11. Elgabbas, F., Ahmed, E., and Benmokrane, B. (2014) *Development and Durability Characterization of Basalt FRP Reinforcing Bars for Concrete Structures*, Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE2014), Vancouver, Canada, August 20-22, 6 p.
12. Benmokrane, B., and Ahmed, E. (2014) *Monitoring and Live Load Field Testing of New Concrete Bridges Reinforced with GFRP Bars in Quebec*, Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE2014), Vancouver, Canada, August 20-22, 6 p.
13. Mohamed, K., Farghaly, A., and Benmokrane, B. (2014) *Effect of Web Reinforcement in FRP-Reinforced Concrete Deep Beams*, Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE2014), Vancouver, Canada, August 20-22, 6 p.
14. Benmokrane, B., Ali, A., Mohamed, H., and Elsafty, A. (2014) *Durability of Tokyo Rope Carbon Cables in Alkaline Environment*, Proceedings of the 7th International Conference on FRP Composites in Civil Engineering (CICE2014), Vancouver, Canada, August 20-22, 6 p.
15. Ahmed, E., and Benmokrane, B. (2014) *Design of Bridge Deck Slabs Using Glass Fiber-Reinforced Polymer (GFRP) Bars of Different Grades*, Proceedings of the 9th International Conference on Short and Medium Span Bridges (SMSB2014), Calgary, Alberta, Canada, July 15-18, 10 p.
16. Hassan, M., Mohamed, H.M., Benmokrane, B. (2014) *Development and Characterization of Basalt FRP Bars for Concrete Structures*, Proceedings of the 15th European Bridge Conference & Exhibition at Structural Faults and Repairs, Imperial College, University of London, Kensington, London, United Kingdom, July 8-10, 8p.
17. Mohamed, H., Chaallal, O., and Benmokrane, B. (2014) *Behavior of FRP-Reinforced Concrete Beams under Torsion*, Proceedings of the 4th International Structural Speciality Conference, Annual General Meeting and Conference of the Canadian Society for Civil Engineering (CSCE), Halifax, Canada, May 28-31, 9 p.
18. Afifi, M., Mohamed, H., Chaallal, O., and Benmokrane, B. (2014) *Confinement Model for Circular Concrete Columns Reinforced with GFRP Bars and GFRP Spirals*, Proceedings of the 4th International Structural Speciality Conference, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Halifax, Canada, May 28-31, 9 p.
19. Bissonnette, B., Courard, L., Garbacz, A., Vaysburd, A.M., Von Fay, K.F. (2014) *Concrete repair bond: evaluation and factors of influence*, Concrete Solutions 2014, 5th International Conference on Concrete Repair, Queen's University, Belfast, Northern Ireland, September 1-3.
20. Courard, L., Bissonnette, B., Vaysburd, A.M., Garbacz, A. (2014) *Evaluation of the mechanical integrity of a concrete surface by means of combined destructive methods*, Concrete Solutions 2014, 5th International Conference on Concrete Repair, Queen's University, Belfast, Northern Ireland, September 1-3.
21. Garbacz, A., Courard, L., Bissonnette, B., Głodkowska, W., Vaysburd, A.M. (2014) *Patch repair: compatibility issues*, Concrete Solutions 2014, 5th International Conference on Concrete Repair, Queen's University, Belfast, Northern Ireland, September 1-3.

22. Jolin, M., Melo, F., Bissonnette, B. (2014) *Concrete durability applied to sprayed concrete mixture design*, 7th International Symposium on Sprayed Concrete: Modern Use of Wet Mix Sprayed Concrete for Underground Support Sandefjord, Norway.
23. Ginouse, N., Jolin, M., Bissonnette, B. (2014) *A fundamental investigation of sprayed concrete placement process*, Proceedings of Concrete Innovation Conference 2014, Oslo, Norway.
24. Komar, A.J.K. & Boyd, A. (2014) *Pressure-tension testing in the evaluation of freeze-thaw deterioration*, 10th fib International PhD Symposium in Civil Engineering, fib, Quebec, QC, Canada, pp 185-190.
25. Shao, Y., Rostami, V. & Boyd, A.J. (2014) *Improving Durability of Concrete by Early Carbonation*, Structural Faults & Repair - 2014, ACI, London, UK, 11 pp, CD-ROM.
26. Charron, J.-P., Namy, M., Duchesneau, F., Massicotte, B. (2014) *Innovative precast HPFRC barriers for bridges*, FRC 2014 Joint ACI-fib International Workshop - from Design to Structural Applications, Montréal, Canada, 100-110. NSERC.
27. Desmettre, C., Charron, J.-P., Hubert, M. (2014) *Water permeability of reinforced concrete structures containing fiber reinforcement*, RILEM PSC Workshop Zagreb 2014, Croatia, 9 p. NSERC & FQRNT.
28. Giraud, J., Chouteau, M., Bouchedda, A. (2014) *Time Domain EM Soundings for the Delineation of the Fresh Water - Salt Water Interface in Eastern Canada Islands*, 76th EAGE Conference and Exhibition 2014, Amsterdam, Netherlands, juin.
29. Duchesne, J., Rodrigues, A. and Fournier, B., (2014) *A new performance test to assess the potential deleterious effect of sulphide-bearing aggregates for concrete*, XIII International Conference on Durability of Building Materials and Components, Sao Paulo, Brazil, RILEM ed., September 2-5.
30. Duchesne, J., Rodrigues, A. and Fournier, B., (2014) *A new global evaluation program for assessing the risk of deterioration of concrete containing sulfide-bearing aggregates*, 1st Concrete Innovation Conference, Oslo, Norway, June 11-13.
31. Guirguis, B., Shehata, M., Duchesne, J., Fournier, B., Durand, B. and Rivard, P. (2014) *Developing of Test Methods to Evaluate the Potential Damage in Concrete containing Sulphide-Bearing Aggregate*, CSCE 2014 4th International Structural Specialty Conference, Halifax, Canada, May 28-31.
32. Rodrigues, A., Fournier, B. and Duchesne, J. (2014) *Damage evaluation of two different concrete mix designs containing sulfide-bearing aggregates*, 36th International conference on cement microscopy, ICMA ed., Milan, Italy, April 13-17, ISBN: 1-930787-09-X.
33. Duchesne, J. (2014) *Petrography of building materials deteriorated by sulfate attack*, 36th International conference on cement microscopy, ICMA ed., Milan, Italy, April 13-17, ISBN: 1-930787-09-X.
34. Fattahi, S., Gagné, R., Tagnit-Hamou, A. (2014) *Étude de l'autocicatrisation de mortiers contenant des additions réactives*, Comptes rendus des 15^e Journées scientifiques du (RF)2B, Douai, 3-4 juillet, 16 p.

35. Lemay, J-D, Jolin, M., Gagné, R. (2014) *Ultra rapid strength development in dry-mix shotcrete for ultra rapid support in challenging mining conditions*. 7th International Conference on Deep and High Stress Mining, Sudbury, Canada, September.
36. Jolin, M., Crépault, É., Lemay, J.-D., Bissonnette, B. (2014) *Rheology of Calcium Aluminate Cement Based Concrete: Controlling the « Pot Life »*, Calcium Aluminates 2014 : Proceedings of International Conference, Avignon, France, May.
37. Lemay, J.-D., Jolin, M., Gagné, R. (2014) *Ultra High Early Strength Shotcrete: New Binder Composition Approach*. Calcium Aluminates 2014 : Proceedings of International Conference, Avignon, France, May.
38. Ginouse, N., Jolin, M. (2014) *Characterization of placement phenomenon in wet sprayed concrete*, Proceedings of the 7th International Symposium on Sprayed Concrete: Modern Use of Wet Mix Sprayed Concrete for Underground Support, Sandefjord, Norway.
39. Sanchez, L.F.M., Fournier, B., Jolin M., Bastien J. (2014) *Use of the Stiffness Damage Test (SDT) for the condition assessment of concrete structures affected by alkali-silica reaction (ASR)*. 10th FIB International PhD Symposium in Civil Engineering, Quebec, July.
40. Abouzied, A., Masmoudi, R. (2014) *Flexural Behavior of New Partially Concrete-Filled Filament-Wound Rectangular FRP Tube Beams*, Proceedings of the 4th International Structural Specialty Conference of the CSCE, Halifax, NS, Canada, May 28-31, 10p.
41. Boumarafi, A., Massoussi, N., Masmoudi, R. (2014) *Physical and Mechanical Properties of FRP Composites Tubes under Different Environmental Conditions*, Proceedings of the 4th International Structural Specialty Conference of the CSCE, Halifax, NS, Canada, May 28-31, 10p.
42. Ben Ftima, M., Massicotte, B., Mousseau, S. (2014) *Steel fibre reinforcement for large hydraulic concrete structures: numerical investigations on a semi-spiral case*. FRC 2014 Joint ACI-fib International Workshop - Fibre Reinforced Concrete: from Design to Structural Applications, Montréal, Canada, 310-321.
43. Massicotte, B., Faggio, L., Cordini, N., Nour, A. and Conciatori, D. (2014) *Design and construction of SFRC bridge decks – Building on past experiences and recent developments*. FRC 2014 Joint ACI-fib International Workshop - Fibre Reinforced Concrete: from Design to Structural Applications, Montréal, Canada, 134-153.
44. Massicotte, B., Dagenais, M.-A., Garneau, J.-F. (2014) *Bridge pier seismic strengthening using UHPFRC cover*. SMSB –9, Calgary, July 15-18, Calgary, Canada.
45. Tehrani, P., Goda, K., Mitchell, D., Atkinson, G.M. and Chouinard, L. (2014) *Seismic Response Prediction of Bridges Using Incremental Dynamic Analysis with Subduction Zone and Crustal Ground Motion Records*, submitted to the 10th US National Earthquake Engineering Conference, Anchorage, Alaska.
46. Adebar, P., Mutrie, J., DeVall, R., Mitchell, D. (2014) *Seismic Design of Concrete Buildings – the 2015 Canadian Building Code*, submitted to the 10th US National Earthquake Engineering Conference, Anchorage, Alaska.

47. Hefni, M., Hassani, F.P., Nokken, M., Kermani, M., Vatne, D. (2014) *Investigation into the development of foam mine fill*, 11th International Symposium of Mining with Backfill, Perth Australia, May 20-22.
48. Kermani, M., Hassani, F.P., Nokken, M., Aflaki, E. (2014) *An investigation into the addition of sodium silicate into mine backfill*, 11th International Symposium of Mining with Backfill, Perth Australia, May 20-22.
49. Eghtesadi, S. and Nokken, M.R. (2014) *Influence of Tensile Induced Microcracking on Standardized Performance Tests*, CSCE Annual Conference, Halifax, NS, May 28 -31.
50. Sanchez M.J. and Nokken, M.R. (2014) *Evaluation of Saturation on Surface Electrical Resistivity Measurements*, CSCE Annual Conference, Halifax, NS, May 28 -31.
51. Mohammadi, B. and Nokken, M.R. (2014) *Development of Concrete Water Absorption Testing for Quality Control*, TRB Annual Meeting, Washington, DC, January 12 – 16.
52. Dafali, S., El Omari, M., Hamdi, H., Rhazi, J. (2014) *Effet de la polarisation des antennes sur l'identification des vides par Géoradar*, DiagnoBéton 2014. Toulouse (France)
53. Balanger, B., Foruzanmehr, M., Elkoun, S., Robert, M. (2014) *Characterization of Epoxy-Resin Reinforced with TiO₂ Modified Flax Fibers Composite*, The Composites and Advanced Materials Expo (CAMX), 10-16 octobre, Orlando, États-Unis.
54. Fathi, B., Cousin, P., Robert, M. (2014) *Recycling Of Thermoset Polymer Composites: A Working Example*, The Composites and Advanced Materials Expo (CAMX), 10-16 octobre, Orlando, États-Unis.
55. Gauvin, F., Cousin, P., Robert, M. (2014) *Improvement of VE/Basalt Fibers Interface by Nano-Reinforcement*, 1st Conference on Mechanic of Composites Materials (MECHCOMP), 12-15 juin, Long Island, États-Unis.
56. Foruzanmehr, M., Robert, M. (2014) *Characterization and Durability Study of New Bio-Resin-Based-FRP for External Rehabilitation of Structures*, 1st Conference on Mechanic of Composites Materials (MECHCOMP), 12-15 juin, Long Island, États-Unis.
57. Foruzanmehr, M., Elkoun, S., Robert, M. (2014) *Interface properties of Grafted Flax Fibers/Epoxy resin Composites*, 1st Conference on Mechanic of Composites Materials (MECHCOMP), 12-15 juin, Long Island, États-Unis.
58. Foruzanmehr, M., Elkoun, S., Robert, M. (2014) *Grafting of a Nano-TiO₂ Thin Film on Cellulosic Natural Fiber as an Inter-Phase For Reinforcing Bio-Polymer Composites*, SAMPE 2014, 2-5 juin, Seattle, États-Unis.
59. Wang, Y., Winnas, K., Matovic, D., Shao, Y. and Whalen, J. (2014) *Life Cycle Impact Assessment: Parallel Combustion for Cement Production with Biomass Energy*, International Conference on Environmental Science and Technology 2014, June, Houston, USA, CDR0M.
60. Cuerrier Auclair, S., Fafard, M., Sorelli, L., Annan, C.D. (2014) *Le Tracel de Cap-Rouge – Un pont historique canadien aux travers des méthodes d'analyse contemporaine*, 21e Colloque sur la progression de la recherche québécoise sur les ouvrages d'art mai 2014.

61. Balaguer Pascual, A., Tohoue Tognonvi, M., Tagnit-Hamou, A. (2014) *Waste glass powder-based alkali-activated mortar*, 5th Non-Traditional Cement and Concrete Conference, Brno, Rép. Tchèque.
62. Torres-Carrasco, M., Tohoue Tognonvi, M., Tagnit-Hamou, A., Puertas, F. (2014) *Re-Use Of Waste Glass in the Preparation of Alkali-Activated Slag Concretes*, Mechanical behaviour and durability, 5th Non-Traditional Cement and Concrete Conference, Brno, Rép. Tchèque.
63. Omran, A., Morin, E., Tagnit-Hamou, A. (2014) *Long-Term Performance of Glass-Powder Concrete in Field Sites*, International Concrete Sustainability Conference, Boston, USA, Organized by NRMCA Education: 14 pp, May 12-14th.
64. Harbec, D., Bahri, H., Tagnit-Hamou, A., Gitzhofer, F. (2014) *New Silica Fume from Recycled Glass*, 36th International Conference on Cement Microscopy, Milan, Italy: 161-190.

2013

1. Moradian, Z.A., Gravel, C., Fathi, A., Ballivy, G., Rivard, P., Quirion, M. (2013) *Developing a high capacity direct shear apparatus for large scale laboratory testing of rock joints*, Accepted for presentation to Eurock2013, 21-26 Sept. Wroclaw, Poland, 6p.
2. Guenet, T., Sorelli, L., Corvez, D., Bastien, J., Toutlemonde, F., Ferrier, E., Michel, L. (2013) *Analysis of a UHPFRC footbridge with a deck slab under bending by a novel fracture-micromechanics FEM model*, Rilem-fib-AFGC International Conference on Ultra-High performance of Fiber-Reinforced Concrete (UHPFRC) October 1-3, Marseille, France.
3. Fiset, M., Villemeure, F.-A., Bastien, J., Mitchell, D., Fournier, B., (2013) *Étude de l'endommagement sur la résistance au cisaillement des dalles épaisses en béton armé et méthodes de renforcement*, RF2B, 14e édition des journées scientifiques du regroupement francophone pour la recherche et la formation sur le béton (RF2B), 22-23 août, Sherbrooke, Canada.
4. Bastien, J., St-Pierre, C., Morrisette, J.-F. et Bérubé, L. (2013) *Environnement social collaboratif pour l'enseignement et l'apprentissage des mathématiques des niveaux collégial et universitaire*. 81^e Congrès de l'Association Francophone pour le Savoir (ACFAS), Québec, Université Laval, 6-10 mai.
5. Pissot, F., Bastien, J. et Fournier, B. (2013) *Étude du comportement structural de dalles épaisses atteintes de la réaction alcalis-silice (RAS) – aspects structuraux*. 81^e Congrès de l'Association Francophone pour le Savoir (ACFAS), Québec, Université Laval, 6-10 mai.
6. Allard, A., Fournier, B. et Bastien, J. (2013) *Étude du comportement structural de dalles épaisses atteintes de la réaction alcalis-silice (RAS) – aspects caractérisations matériel*. 81^e Congrès de l'Association Francophone pour le Savoir (ACFAS), Québec, Université Laval, 6-10 mai.
7. Fiset, M., Bastien, J. et Mitchell, D. (2013) *Renforcement en cisaillement des ponts a dalles épaisses en béton armé*. 81^e Congrès de l'Association Francophone pour le Savoir (ACFAS), Québec, Université Laval, 6-10 mai.

8. Bissonnette, B., Bastien, J., Charotte, L. et Girard, M. (2013) *L'auscultation des ouvrages précontraints : Constats et perspectives*. 81^e Congrès de l'Association Francophone pour le Savoir (ACFAS), Québec, Université Laval, 6-10 mai.
9. Mohamed, N. Farghaly, A., Benmokrane, B., and Neale, K. (2013) *Strength Reduction Factor of GFRP-Reinforced Concrete Shear Walls*, Proceedings of the 4th Asia-Pacific Conference on FRP in Structures (APFIS2013), Melbourne, Australia, December 11-13, 8p.
10. ElGabbas, F., Ahmed, E., and Benmokrane, B. (2013) *Basalt FRP Bars for Concrete Structures*, Proceedings of the 4th Asia-Pacific Conference on FRP in Structures (APFIS2013), Melbourne, Australia, December 11-13, 8p.
11. Ahmed, E., and Benmokrane, B. (2013) *GFRP-Steel Hybrid Reinforced Concrete Bridge Deck Slabs in Quebec, Canada*, Proceedings of the 4th Asia-Pacific Conference on FRP in Structures (APFIS2013), Melbourne, Australia, December 11-13, 8p.
12. Ahmed, E., Benmokrane, B., Deblois, R., and Crepeau, L. (2013) *Field Testing of Hybrid Reinforced Concrete Bridge Decks in Quebec*, Proceedings of the 2nd Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures (SMAR2013), Istanbul, Turkey, September 9-11, 8p.
13. Ahmed, E., Benmokrane, B., and Deblois, R. (2013) *Structural Performance Monitoring of GFRP Reinforced Concrete Flat Slab parking Garages*, Proceedings of the 2nd Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures (SMAR2013), Istanbul, Turkey, September 9-11, 8p.
14. Benmokrane, B., and Mohamed, H.M. (2013) *Durability Issues of FRP for Civil Infrastructures – Keynote Lecture*, Proceedings of the 11th International Symposium on Fiber Reinforced Polymer (FRP) Reinforcement for Concrete Structures (FRPRCS-11), Guimarães, Portugal, June 26-28, 10p.
15. Mohamed, H.M., and Benmokrane, B. (2013) *Design, Construction, and Monitoring of GFRP Reinforced Concrete Tank of Thetford Mines Water Plant Treatment*, Proceedings of the 11th International Symposium on Fiber Reinforced Polymer (FRP) Reinforcement for Concrete Structures (FRPRCS-11), Guimarães, Portugal, June 26-28, 10p.
16. Ahmed, E., and Benmokrane, B. (2013) *Construction and Testing of Hybrid Reinforced Concrete Bridge Deck Slabs for the Ste-Catherine Twin Overpass Bridges*, Proceedings of the 11th International Symposium on Fiber Reinforced Polymer (FRP) Reinforcement for Concrete Structures (FRPRCS-11), Guimarães, Portugal, June 26-28, 10p.
17. Afifi, M. Z., Mohamed, H.M., and Benmokrane, B. (2013) *Axial Capacity of Circular Concrete Columns Reinforced with Glass-FRP Bars and Spirals*, Proceedings of the 11th International Symposium on Fiber Reinforced Polymer (FRP) Reinforcement for Concrete Structures (FRPRCS-11), Guimarães, Portugal, June 26-28, 10p.
18. Vincent, P., Ahmed, E., and Benmokrane, B. (2013) *Characterization of Basalt Fiber-Reinforced Polymer (BFRP) Reinforcing Bars for Concrete Structures*. Proceedings of the 3rd Specialty Conference on Material Engineering & Applied Mechanics, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montréal, Québec, Canada, May 29-June 1, 8 p.

19. Hassan, M., Ahmed, E., and Benmokrane, B. (2013) *Preliminary Investigation on Punching-Shear Strength of Flat Slabs with FRP Flexural and Shear Reinforcement*. Proceedings of the 3rd Specialty Conference on Material Engineering 7 Applied Mechanics, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montréal, Québec, Canada, May 29-June 1, 8 p.
20. Ahmed, E., Dulude, C., Fortier, A., and Benmokrane, B. (2013) *Testing of Hybrid Reinforced Curb-Deck Connections of Post-and-Beam Bridge Barriers*. Proceedings of the 3rd Specialty Conference on Material Engineering & Applied Mechanics, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montréal, Québec, Canada, May 29-June 1, 8 p.
21. Michaud, M-C. B., Mohamed, H.M., and Benmokrane, B. (2013) *Conception, construction et monitoring d'une dalle de grande dimension en béton armé de polymères renforcés de fibre (PRF)*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montreal, Québec, Canada, May 29- June 1, 10p.
22. Ahmed, E., Mohamed, H. M., El-Nemr, A., Vincent, P., and Benmokrane, B. (2013) *Bond-Dependent Coefficient of Deformed Glass Fiber-Reinforced Polymer (GFRP) Reinforcing Bars*. Proceedings of the 3rd Specialty Conference on Material Engineering & Applied Mechanics, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montréal, Québec, Canada, May 29-June 1, 8 p.
23. Afifi, M. Z., Mohamed, H.M., and Benmokrane, B. (2013) *Behaviour of Circular Concrete Columns Internally Reinforced with CFRP Bars and Spiral Stirrups*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montreal, Québec, Canada, May 29-June 1, 10p.
24. Mohamed, H.M., and Benmokrane, B. (2013) *Design and Construction of the First Worldwide Concrete Water Tank Chlorination Totally Reinforced with GFRP Bars*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montreal, Québec, Canada, May 29-June 1, 10p.
25. Ali, A.H., Mohamed, H.M., and Benmokrane, B. (2013) *Shear Resistance of Circular Concrete Members Reinforced with FRP Bars: Code Predictions and Numerical Analysis*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montreal, Québec, Canada, May 29-June 1, 10p.
26. Farghaly, A.S., Benmokrane, B. (2013) *Evaluation of Strut-and-Tie Models for FRP-Reinforced Deep Beam*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montréal, Québec, Canada, May 29-June 1, 10p.
27. Mohamed, N., Farghaly, A.S., Benmokrane, B., Neale, K. (2013) *Evaluation of GFRP-Reinforced Shear Walls*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montreal, Québec, Canada, May 29-June 1, 10p.
28. Abdul-Salam, B., Farghaly, A.S., Benmokrane, B. (2013) *Evaluation of Shear Behavior for One-Way Concrete Slabs Reinforced with Carbon-FRP Bars*. Proceedings of the Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Montreal, Québec, Canada, May 29-June 1, 10p.

29. Mohamed, H.M., and Benmokrane, B. (2013) *The First Worldwide Field Application of FRP Composite Rebars in Reinforced Water Treatment Plant Tank: Design & Construction*. Proceedings of the Composites 2013, American Composites Manufacturers Association (ACMA), Orlando, FL, USA, January 29-31, 10p.
30. Martin, V., Aubertin, M., Benzaazoua, M. (2013) *Laboratory Investigation of the Disposal of Paste Tailing*. GeoMontreal'13, 66th Canadian Geotechnical Conference and the 11th Joint CGS/IAH-CNC Groundwater Conference. Montreal, Quebec, Canada. Sept. 29 – Oct. 3.
31. Plante, B., Kandji, E.H.B., Chopard, A., Benzaazoua, M., Bussière, B. (2013) *Use of a chelating agent in kinetic studies for contaminated neutral drainage prediction of metal bearing waste rocks*. 23rd World mining Congress, Held in conjunction with ISARC 2013. Track: Tailings, Water & Mine Site Rehabilitation. Montreal, Quebec, Canada. August 11-15.
32. Kermani, M., Hassani, F., Benzaazoua, M., Isagon, I., Nokken, M., Zamani, S. (2013) *The effect of curing temperature on the physical properties of hydraulic backfill and Gelfill*. 23rd World mining Congress, Held in conjunction with ISARC 2013. Track: Tailings, Water & Mine Site Rehabilitation. Montréal, Québec, Canada. August 11-15.
33. Belem, T., El Aatar, O., Yilmaz, E., Benzaazoua, M. (2013) *Effect of drainage and the pore water pressure dissipation on the backfilling sequencing*. 23rd World mining Congress, Held in conjunction with ISARC 2013. Track: Tailings, Water & Mine Site Rehabilitation. Montreal, Quebec, Canada. August 11-15.
34. Bouzahzah, H., Benzaazoua, M., Bussière, B. (2013) *Acid-generating potential calculation using mineralogical static test: modification of the Paktunc equation*. 23rd World mining Congress, Held in conjunction with ISARC 2013. Track: Tailings, Water & Mine Site Rehabilitation. Montreal, Quebec, Canada. August 11-15.
35. Argane, R., Hakkou, R., Benzaazoua, M. (2013) *Environmental geochemistry of the Upper-Moulouya Lead district abandoned mines (Morocco)*. 23rd World mining Congress, Held in conjunction with ISARC 2013. Track: Tailings, Water & Mine Site Rehabilitation. Montreal, Quebec, Canada. August 11-15.
36. Ouakibi, O., Loqman, S., Hakkou, R., Benzaazoua, M. (2013) *Phosphates Limestone Wastes Drains to Increase pH and Remove Dissolved Metals from Acidic Mine Drainage*. 2nd International Symposium on Innovation and Technology in the Phosphate Industry, SYMPHOS 2013, Agadir, Morocco, May 6-10.
37. Komar, A.J.K., Hartell, J.A. & Boyd, A.J (2013) *Pressure Tension Test: Reliability for Assessing Concrete Deterioration*, 7th International Conference on Concrete under Severe Conditions - Environment and Loading, RILEM, Nanjing, China, pp 337-344.
38. Demers, I., Bussière, B., Rousselle, M., Aubertin, M., Pabst, T., Lacroix, R. (2013) *Laboratory evaluation of reclamation scenarios for the spillage areas of the abandoned Manitou mine site using Goldex tailings*. 23rd World Mining Congress, held in conjunction with ISARC 2013, Montreal, Qc, August 11-15.
39. Delsol, S., Charron, J.-P. (2013) *Numerical modeling of UHPFRC mechanical behavior based on fiber orientation*, Int. Symposium on Ultra-High Performance Fibre-Reinforced Concrete, UHPFRC 2013, Marseille, 9 p. NSERC & FQRNT.

40. Jones, A. G., Ledo, J., Ferguson, I., Craven, J.A., Unsworth, M.J., Chouteau, M., Spratt, J.E. (2013) *The Electrical Resistivity of Canada's Lithosphere: Ian Gough's Lasting Legacy to Canadian Geoscience*, IAGA XIIIth Scientific Assembly, Merida Yucatan Mexico, August 26-31.
41. Caron, R., Samson, C., Chouteau, M., Bates, M. (2013) *Designing a HTEM system for mapping glaciolacustrine overburden thickness*, SEG International Exposition and Eighty-Third Annual Meeting, Houston, TX, 22-27 septembre.
42. Tchikaya, E., Chouteau, M., Keating, P., Shamsipour, P. (2013) *3D Inversion of airborne vertical gradient gravity data*; Congress SAGA-AEM, Kruger Park, Afrique du Sud, 6-11 octobre.
43. Chouteau, M., Boudour, Z., Parent, M., Marcotte, D. (2013) *Estimation of overburden thickness using airborne time-domain EM data and a few drill hole data*, Congress SAGAAEM, Kruger Park, Afrique du Sud, 6-11 octobre.
44. Bouchedda, A., Chouteau, M. (2013) *Cooperative cross-hole ERT and 2-d full -waveform GPR inversion*, Congress SAGEEP, EAGE, Denver, CO, March 18-20.
45. Chouteau, M., Bouchedda, A., Larget, M., Rivard, P., Hamoni, M., Côté, A., Saleh, K. (2013) *Seepage at Les Cèdres embankment dam (Part 1): SP/ERT surveys and temperature monitoring*, Congress SAGEEP, EAGE, Denver, CO, March 18-20.
46. Bouchedda, A., Chouteau, M., Rivard, P., Côté, A., Saleh, K., Larget, M., Hamoni, M. (2013) *Seepage at Les Cedres earthen dam (Part 2): SP inversion and additional surveys*, Congress SAGEEP, EAGE, Denver, CO, March 18-20.
47. Chouteau, M., Bouchedda, A., Ouellet, M., Madani, A., Lemieux, J.-M. (2013) *Geophysical mapping and borehole validation of the freshwater-saltwater interface (Îles-de-la-Madeleine, Eastern Canada)*, Congress SAGEEP, EAGE, Denver, CO, March 18-20.
48. Nackers, C., Chouteau, M., Shamsipour, P., Cheman, M., Bérubé, P. (2013) *Borehole gravity data inversion for detection of deeply seated volcanogenic massive sulfide deposits*, Congress SAGEEP, EAGE, Denver, CO, March 18-20.
49. Rodrigues, A., Duchesne, J. and Fournier, B. (2013) *Deterioration in concrete incorporating a sulfide-bearing aggregate: petrographic characteristics and evolution of the secondary reaction products*, 14th Euroseminar on Microscopy Applied to Building Materials, Helsingor, Denmark, June 10-14.
50. Rodrigues, A., Fournier, B. and Duchesne, J. (2013) *Petrographic Characterization of the Deterioration Products in Concrete Containing Sulfide Bearing Aggregates: A Particular Case of Internal Sulfate Attack*, 35th International conference on cement microscopy, ICMA ed., Rosemont, Illinois, April 28-May 1, 19 p.
51. Bertrand, J., Gagné, R., Polo, L. (2013) *Post-installed Anchoring Rebar Using Cementitious Grouts: An Alternative to Adhesive Anchoring*, Advances in Cementitious Grouting, Materials, and Application, ACI committee 355, Phoenix, 21 octobre.

52. Olivier, K., Darquennes, A., Benboudjema, F., Gagné, R. (2013) *Impact de l'ajout de laitier de haut fourneau sur l'autocicatrisation des matériaux cimentaires*, Comptes rendus des 14^e Journées scientifiques du (RF)2B, Sherbrooke, 22-23 août, p. 123-133.
53. Ducasse-Lapeyrusse, J., Gagné, R., Lors, C., Damidot, D. (2013) *Bio-healing for micro-crack treatment in cementitious materials: toward a quantitative assessment of bacterial efficiency*, Fourth International Conference on Self-Healing Materials, Ghent, 16-20 juin, 4p.
54. Olivier, K., Darquennes, A., Benboudjema, F., Gagné, R. (2013) *Experimental studies of self-healing cementitious materials incorporating mineral admixtures*, Fourth International Conference on Self-Healing Materials, Ghent, 16-20 juin, 4p.
55. Bertrand, J., Gagné, R. (2013) *AMBEX ARC Anchoring Capsule Creep Tests*, ACI committee 355 – Anchorage to concrete, Minneapolis, 14 avril.
56. Ginouse, N., Jolin, M. (2013). *New tools to understand shotcrete placement process*. Proceedings of the 2013 Conference of the ASCE Engineering Mechanics Institute, Northwestern University, Evanston, IL, USA, August.
57. Sanchez, L.F.M., Fournier, B., Jolin M., Bustamante, M.A.B. (2013) *Evaluation of the microscopic ASR features through the Damage Rating Index (DRI) for different concrete strengths and aggregate types (fine and coarse reactive aggregates)*. 14th Euroseminar on Microscopy Applied to Building Materials, Denmark, June.
58. Jolin M., Ginouse, N. (2013), *Recent Research in Wet-Mix Shotcrete at Laval University*, 3rd Brazilian Congress on Tunnels and Underground Structures, Sao Paulo, Brésil – Proceedings, 20-22 mars.
59. Abouzied, A., Masmoudi, R. (2013) *Performance of Square Concrete-Filled FRP Tubes Versus Steel Reinforced Concrete Columns*, 2nd Conference on Smart Monitoring Assessment and Rehabilitation of Structures SMAR-2013, Istanbul, Turkey, September 9-11, 9p.
60. Zaidi, A., Masmoudi, R., Hamdi, B., Bouhicha, M. (2013) *Finite Element Modeling of Thermal Deformations in Concrete Beams Reinforced with FRP Bars*, 2nd Conference on Smart Monitoring Assessment and Rehabilitation of Structures SMAR-2013, Istanbul, Turkey, September 9-11, 8p.
61. Bellakehal, H., Zaidi, A., Masmoudi, R. (2013) *Behavior of FRP-Reinforced Concrete Slabs under the Effect of Extreme Temperature and Sustained Load*, 2nd Conference on Smart Monitoring Assessment and Rehabilitation of Structures SMAR-2013, Istanbul, Turkey, September 9-11, 8p.
62. Abouzied, A., Masmoudi, R. (2013) *Square Columns Confined by GFRP Tube or Steel Ties*, 11th Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures (FRPRCS-11), Guimarães, Portugal, June 26-28, 9p.
63. Massicotte, B. Dagenais, M.-A., Lagier, F. (2013) *Performance of UHPFRC jackets for the seismic strengthening of bridge piers*. RILEM-fib-AFGC Int. Symposium on Ultra-High Performance Fibre-Reinforced Concrete, UHPFRC 2013 – October 1-3, 2013, Marseille, France.

64. Massicotte, B., Dagenais, M.-A., Lagier, F. (2013) *Strengthening bridge piers using ultra high performance fiber reinforced concrete*. 7th National Seismic Conference on Bridges & Highways, Oakland, California, May 20-22, 2013, paper B7-2.
65. Abrishami, H.H., Khan, A., Singh, R., Nitheanandan, T. Cook, W.D. and Mitchell, D. (2013) *Study of Protective Layer for Severe Accident Conditions for EC6 Reactor Vault Structure*, Proceedings of Technical Innovations in Nuclear Civil Engineering (TINCEE) Conference, Paris, October 28-31, 12 p.
66. Tehrani, P. and Mitchell, D. (2013) *The use of natural and artificial ground motion records for 3D nonlinear dynamic analysis of bridges*, Recent Advances in Earthquake Engineering and Structural Dynamics, Vienna, Paper 487, August 28-30, pp 1-10.
67. Rahmatian, Bagchi, A. and Nokken, M. (2013) *Performance of an Innovative SHM System for RC Flexural Members under Normal and Adverse Environmental Conditions*, CSCE Annual Conference, Montreal, QC, May 29 – June 1.
68. Mohammadi and Nokken, M.R. (2013) *Influence of Moisture Content on Water Absorption in Concrete*, CSCE Annual Conference, Montreal, QC, May 29 – June 1.
69. Rahmatian, Bagchi, A. and Nokken, M. (2013) *Finite Element Modeling of FRP Reinforced Concrete Flexural Elements Installed with a Protected Fiber Optic Strain Sensor*, TRB Annual Meeting, Washington, DC, January 13-17.
70. Champagne, K., Rivard, P., Quirion, M. (2013) *Paramètres de résistance au cisaillement associés aux discontinuités des barrages en béton du Québec*, Canadian Dam Association, Montréal, octobre.
71. Fathi, A., Moradian, Z.A., Rivard, P., Ballivy, G., Quirion, M. (2013) *Experimental investigation on shear strength of rock joints under cyclic and dynamic loading*, GeoMontreal 2013.
72. Koupouli, N.J.F., Belem, T., Rivard, P., Effenguet, H. (2013) *Essais préliminaires de cisaillement direct d'interfaces remblai-roche et remblai-remblai*, GéoMontréal 2013.
73. Achour, R., Abriak, N.E., Zentar, R., Rivard, P., Khezami, I.E. (2013) *Méthodologie de caractérisation et de valorisation des sédiments marins en génie civil*, Int. Conf. on Geotech. Engineering, Hammamet (Tunisie), février.
74. Rivard, P. (2013) *Experience in Assessing Concrete Structure Condition with Non-Destructive Methods: Case studies and Lab Development*, SAGEEP 2013, Mars, Denver (USA).
75. Gauvin, F., Cousin, P., Robert, M. (2013) *Silane grafted nano-silica spheres for nano-reinforcement of VE based Composites*, JEC Americas 2014, Journées Européennes des Composites (JEC), 4-6 octobre, Boston, États-Unis.
76. Milière, L., Cousin, P., Robert, M. (2013) *Functionalization of Basalt Fibers by Nano-reinforcement of the Interphase*, Composites 2013, American Composites Manufacturer Association (ACMA), 29-31 janvier, Orlando, États-Unis.
77. Shao, Y. and El-Hassan, H. (2013) *CO2 Utilization in Concrete*, keynote presentation, Third International Conference on Sustainable Construction Materials and Technologies (SCMT3), August 19-21, Kyoto, Japan, CDROM.

78. Mofidi, A., Thivierge, S., Chaallal, O. and Shao, Y. (2013) *Effect of embedment length on the performance of shear-strengthening RC beams with L-shaped CFRP plates*, 9th international conference on composite materials (ICCCM9), July 29-August 2, Montreal, CDROM.
79. Rostami, V., Shao, Y., Boyd, A. and He, Z. (2013) *Microstructure and properties of concrete subject to early carbonation curing*, 3rd Specialty Conference on Material Engineering & Applied Mechanics, Canadian Society for Civil Engineering Annual Conference, May 29 - June 1, Montreal.
80. Sorelli, L., Pham, T.D., Vallée, D., Chen, J., Fafard, M. (2013) *Finite Element Based Characterization of the Creep Properties of the Cement Paste Phases by Coupling Nanoindentation Technique and SEM-EDS*, CONCREEP-9@MIT September 22-25, Massachusetts Institute of Technology, Cambridge MA, USA, p.181-189
81. Niang, A., Roy, N. et Tagnit-Hamou, A. (2013) *Reinforced Concrete Columns Incorporating Glass Powder under Concentric Axial Loading*, FIB Symposium, Tel-Aviv, Israël, avril 2013.
82. Zidol, A. Tohoue Tognonvi, M., Tagnit-Hamou, A. (2013) *Advances in durable concrete materials applied to the African context*, International Conference on Advances in Cement and Concrete Technology in Africa.
83. Ouattara, D., Yahia, A., Mbonimp, M., Belem, T. (2013) *Rheology of cemented paste backfill incorporating superplasticizers*, 66th Canadian Geotechnical Conference and the 11th Joint CGS/IAH-CNC Groundwater Conference – GeoMontreal 2013.
84. Esmailkhanian, B., Khayat, K. H., Yahia, A., Feys, D. (2013) *Characterization of Dynamic Stability of Self-Consolidating Concrete*, Proceedings of the Fifth North American Conference on the Design and Use of Self-Consolidating Concrete, Chicago, May.

2012

1. Rivard, P., Kodjo, S.A., Ballivy, G. (2012) *Assessing concrete dam's condition with non-destructive methods: Case studies and lab experience*, Annual Congress of the Canadian Dam Association, Saskatoon, sept.
2. Moradian, Z. A., Ballivy, G., Rivard, P., Kodjo S.A. (2012) *Acoustic emission as an indicator of slope instability during direct shear test of rock joints*, 11th Int. Symposium on Landslides (ISL), Banff, Alberta, (Canada), June.
3. Fiset, M., Bastien, J., Mitchell, D. et Jolin, M. (2012) *Renforcement en cisaillement des dalles épaisses en béton armé : étude numérique et expérimentale*, RF2B, 13e édition des journées scientifiques du regroupement francophone pour la recherche et la formation sur le béton (RF2B), 5 et 6 juillet, Lyon, France, 8p.
4. Fiset, M., Bastien, J., Mitchell, D. (2012) *Post-Installed Shear Reinforcement for Concrete Thick Slabs*, 9th edition of fib PhD Symposium, Karlsruhe, Germany, 22-25 July, pp.115-122.
5. Montaigu, M., Ahmed, E., Benmokrane, B., and Thebeau, D. (2012) *Newly Developed GFRP Dowel Bars for Jointed Plain Concrete Pavement*. Proceedings of the 10th International Conference on Concrete Pavements, Quebec City, Quebec, July 8-12, 12 p.
6. Mohamed, H., and Benmokrane, B. (2012) *Field Application of FRP Bars in Tunnels*. Proceedings of the Annual Conference of the Tunnelling Association of Canada, Tunnels and

Underground Spaces: Sustainability and Innovation (TAC2012), Montreal, Quebec, October 17-20, 6p.

7. Benmokrane, B., Ahmed, E., Dulude, C., Boucher, E. (2012) *Design, Construction, and Monitoring of the First Worldwide Two Way Flat Slab Parking Garage Reinforced with GFRP Bars*. Proceedings of the 6th International Conference on FRP Composites in Civil Engineering (CICE2012), Rome, Italy, June 13-15, 8 p.
8. Mohamed, H., and Benmokrane, B. (2012) *Pullout Capacity Behaviour of FRP-Headed Rebars*. Proceedings of the 6th International Conference on FRP Composites in Civil Engineering (CICE2012), Rome, Italy, June 13-15, 8 p.
9. Benmokrane, B., Ahmed, E., Dulude, C., and Boucher, E. (2012) *In-Service Behaviour of the First Worldwide Two-Way Flat Slab Parking Garage Reinforced with GFRP Bars*. Proceedings of the 3rd International Structural Specialty Conference, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Edmonton, Alberta, June 6-9, 9 p.
10. Mohamed, H., Zaki, M., and Benmokrane, B. (2012) *New Developed FRP-Headed Rebars for Infrastructure Applications*. Proceedings of the 3rd International Structural Specialty Conference, Annual General Meeting and Conference of the Canadian Society of Civil Engineers (CSCE), Edmonton, Alberta, June 6-9, 9 p.
11. Hassan, M., Ahmed, E., and Benmokrane, B. (2012) *Punching Shear Strength Prediction of FRP-Reinforced Concrete Flat Slabs*. Proceedings of the 6th International Conference on Advanced Composite Materials in Bridges and Structures, (ACMBS-VI), Kingston, Ontario, May 22-25, 8 p.
12. Ahmed, E., Montaigu, M., and Benmokrane, B. (2012) *Evaluation of GFRP Dowel Bars for Jointed Plain Concrete Pavement*. Proceedings of the 6th International Conference on Advanced Composite Materials in Bridges and Structures, (ACMBS-VI), Kingston, Ontario, May 22-25, 8 p.
13. Dulude, C., Ahmed, E., and Benmokrane, B. (2012) *Impact Testing of Concrete Bridge Barriers Type MTQ 311 Reinforced with GFRP Bars*. Proceedings of the 6th International Conference on Advanced Composite Materials in Bridges and Structures, (ACMBS-VI), Kingston, Ontario, May 22-25, 7 p.
14. Mohamed, H., and Benmokrane, B. (2012) *Recent Field Applications of FRP Composite Reinforcing Bars in Civil Engineering Infrastructures*. Proceedings of the 6th International Conference on Composites and Nanocomposites in Civil, Offshore and Mining Infrastructures (ACUN-6), Melbourne, Australia, November 14-16, 6p.
15. Ahmed, E., Dulude, C., and Benmokrane, B. (2012) *Repair of Concrete Structures Reinforced with FRP Bars*. Proceedings of the 6th International Conference on Advanced Composite Materials in Bridges and Structures, (ACMBS-VI), Kingston, Ontario, May 22-25, 8 p.
16. Mohamed, N., Farghaly, A.S., Benmokrane, B., and Neale, K.W. (2012) *Cyclic Load Behaviour of GFRP Reinforced Concrete Shear Wall: Experimental Approach*. Proceedings of the 6th International Conference on Advanced Composite Materials in Bridges and Structures, (ACMBS-VI), Kingston, Ontario, May 22-25, 8 p.

17. Mohamed, N., Farghaly, A., Benmokrane, B., and Neale, K.W. (2012) *Evaluation of a Concrete Shear Wall Reinforced with GFRP Bars Subjected to Lateral Cyclic Loading*. Proceedings of the 3rd Asia Pacific Conference on FRP Structures, Sapporo (APFIS2012), Japan, Feb. 2-4, 10p.
18. Bouda, M., Mbonimpa, M., Demers, I., Benzaazoua, M., Gagnon, M. (2012) *Hydrogeotechnical characterization of AMD treatment sludge and sludge-based mixtures*. 65th Canadian Geotechnical Conference, Winnipeg, Manitoba, Canada, Sept. 30 - Oct. 3.
19. Derycke, V., Benzaazoua, M., Bussière, B., Kongolo, M., Mermillod-Blondin, R. (2012) *Assessment of the Performance of Environmental Desulphurization on Arsenic Release from Tailing*. 9th Internat. Conf. on Acid Rock Drainage, Ottawa (ON), Canada, May 20-26.
20. Bouzahzah, H., Benzaazoua, M., Bussière, B. (2012) *Modification and automation of the humidity cell test protocol to favor tailings reactivity*. 9th Internat. Conf. on Acid Rock Drainage, Ottawa (ON), Canada, May 20-26.
21. Bissonnette, B. (2012) *Rilem TC-RLS Recommendations for bonded cement-based material overlays, National Workshop on Innovations in Repair and Rehabilitation of Structures*, Indian Concrete Institute, Delhi (India), December 16-18.
22. Vaysburd, A.M., Emmons, P.H., Bissonnette, B. (2012) *Concrete repair as an engineering task - An approximate solution to an exact problem*, Concrete Repair, Rehabilitation, and Retrofitting III, M. Alexander (ed.), Leiden, Netherlands: CRC Press/Balkema, pp. 312-315.
23. Snover, R.M., Vaysburd, A.M., Bissonnette, B., Burke, D.F. (2012) *Random thoughts on concrete repair specifications' ills and treatment prescriptions*, Concrete Repair, Rehabilitation, and Retrofitting III, M. Alexander (ed.), Leiden, Netherlands: CRC Press/Balkema, pp. 309-312.
24. Certain, P.-V., Bissonnette, B., Bastien, J., Marchand, J., Jolin, M. (2012) *Robustness of shrinkage-compensating repair concretes*, Innovative Materials and Techniques in Concrete Construction, ACES Workshop, Corfu, Italy, Oct. 11-12.
25. Hartell, J.A. & Boyd, A.J. (2012) *Determining Sulphate Movement in Concrete Exposed to Evaporative Transport*, 9th fib International PhD Symposium in Civil Engineering, fib, Karlsruhe, Germany, pp 511-518.
26. Ishee, C.A. & Boyd, A.J. (2012) *Evaluating the early age performance of portland cement under differing hydration conditions*, 2nd International Conference on Microstructure-Related Durability of Cementitious Composites, RILEM, Amsterdam, The Netherlands, 8 pp, CD-ROM.
27. Bouzahzah, H., Benzaazoua, M., Bussiere, B. (2012) *Tests statiques et essais cinétiques : importance des protocoles pour une prédiction fiable*. GESRIM 2012 : International Congress on the Management of the Mining Wastes and Closed Mines, Marrakech, Morocco, April 3-6.
28. Coulombe, V., Bussière, B., Côté, J., Garneau, P. (2012) *Performance of insulation covers to control acid mine drainage in cold environment*. 15 th International Conference on Cold Regions Engineering, Quebec, Canada, August 19-22, 11p.

29. Ethier, M.-P., Bussiere, B., Benzaazoua, M., Garneau, P. (2012) *Effect of temperature on the weathering of various waste rock types from the Raglan Mine*. 15 th International Conference on Cold Regions Engineering, Quebec, Canada, August 19-22, 11p.
30. Maqoud, A., Bussière, B., Aubertin, M., Cyr, J. (2012) *Transient hydrogeological behaviour of the Lorraine CCBE (Québec, Canada)*. GESRIM 2012: International Congress on the Management of the Mining Wastes and Closed Mines, Marrakech, Morocco, April 3-6.
31. Pabst, T., Aubertin, M., Bussière, B., Molson, J. (2012) *Experimental and numerical study of the hydro-geochemical behaviour of monolayer covers placed on acid generating tailings*. NORDROCS 2012, 4th Joint Nordic Meeting on Remediation of Contaminated Sites, Oslo.
32. Desmettre, C., Charron, J.-P. (2012) *Impact of cyclic loading on water permeability of reinforced concrete*, BEFIB 2012, Portugal, 10 p. FQRNT.
33. DeMontaignac, R., Massicotte, B., Charron, J.-P. (2012) *Design of large SFRC member in bending*, BEFIB 2012, Guimares, Portugal, 12 p. CRSNG.
34. Lagier, F., Massicotte, B., Charron, J.-P. (2012) *Bond Splitting Strength of Lap Splice Embedded in Ultra High Performance Fibre Reinforced Concrete under Direct Tension*, Fourth International Symposium Bond in Concrete, Brescia, Italy, June 2012, 9 p. NSERC.
35. Charron, J.-P., Duchesneau, F., Massicotte, B., Namy, M. (2012) *Numerical modeling of the mechanical behavior of precast parapets for bridge decks*, Numerical Modeling - Strategies for sustainable concrete structures (SSCS 2012), France, 10 p. NSERC.
36. Nour, A., Massicotte, B., DeMontaignac, R., Charron, J.-P. (2012) *Inverse analysis procedure for the characterization of softening diagrams for FRC beams and panels*, Numerical Modeling - Strategies for sustainable concrete structures (SSCS 2012), France, 10 p. NSERC.
37. Rastiello, G., Tailhan, J.-L., Rossi, P., Desmettre, C., Charron, J.-P., Dal Pont, S. (2012) *Numerical modelling of fluid transfer in cracked reinforced concrete structures*, Numerical Modeling - Strategies for sustainable concrete structures (SSCS 2012), France, 10 p. NSERC.
38. Bouchedda, A. & Chouteau, M. (2012) *Cooperative cross-hole ERT and 2-D Full-waveform GPR Inversion*, AGU-SEG hydrogeophysics workshop. July 8-11. Boise, USA.
39. Bouchedda, A. & Chouteau, M. (2012) *Joint inversion of Boise Hydrogeophysical Research Site Borehole Seismic and GPR Datasets*, AGU-SEG hydrogeophysics workshop. July 8-11. Boise, USA.
40. Chou, C.T.K., Chouteau, M., Craven, J. and Allard, M. (2012) *Magnetotelluric Prospecting in the Matagami Camp (Canada)* IAGA 21st EM Induction Workshop, Darwin, July 25-31.
41. Chouteau, M., Labiau, M., Taveau, C., Chapuis, R. & Chou, C.T.K. (2012) *ERT Monitoring of Tide-induced Water Flow in a Shallow Beach Aquifer*, EAGE Near Surface Geoscience 2012 Meeting, Paris, France, September 2-5.
42. Tchoumkam, L.A.N., Giroux, B., Chouteau, M. (2012) *Magnetotelluric mapping of deep saline aquifers for carbon storage: First observations from a survey in the St. Lawrence Lowlands*, 2012 CWRA-CGU National Conference, Banff, June 5-8.
43. Juenger, M., Provis, J.L., Elsen, J., Matthes, W., R. Hooton, D., Duchesne, J., Courard, L., He, H., Michel, F., Snellings, R. and De Belie, N. (2012) *Supplementary Cementitious Materials*

for Concrete: Characterization Needs, Mater. Res. Soc. Symp. Proc. Vol. 1488 © 2012 Materials Research Society DOI: 10.1557/opl.2012.

44. Duchesne, J. and Oueslati, O. (2012) *Quantification of anhydrous GGBFS particles in cement pastes subjected to organic acids: comparison of selective dissolution and image analysis methods*, RILEM 3rd International Conference on Concrete Repair, Rehabilitation and Retrofitting, Special symposium on SCM, Cape Town, South Africa: September 3-5, 6 p.
45. Duchesne, J. and Fournier, B. (2012) *Deterioration of concrete by the oxidation of sulphide minerals in the aggregate*, 1st International Congress on Durability of Concrete, ICDC 2012, Trondheim, Norway, June 18-21, 13 p.
46. Fecteau, P.-L., Fournier, B., Choquette, M. and Duchesne, J. (2012) *Contribution to the understanding of the so-called alkali-carbonate reaction (ACR)*, 14th International Conference on Alkali-Aggregate Reaction, Austin, TX, May 20-25, 10 p.
47. Villeneuve, V., Fournier, B. and Duchesne, J. (2012) *Determination of the damage in concrete affected by ASR – The damage rating index (DRI)*, 14th International Conference on Alkali-Aggregate Reaction, Austin, TX, May 20-25, 10 p.
48. Rodrigues, A., Duchesne, J., and Fournier, B. (2012) *Microscopic analysis of the iron sulphide oxidation products used in concrete aggregates*, Thirty-Fourth International Conference on Cement Microscopy, Halle/Saale – Germany, April 1-4.
49. Adams, M.P., Gray, B., Ideker, J.H., Tanner, J.E., Jones, A., Fournier, B., Beauchemin, S., Shehata, M., Johnson, R. (2012) *Applicability of Standard Alkali-Silica Reactivity Testing Methods for Recycled Concrete Aggregate*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
50. Beauchemin, S., Fournier, B. (2012) *Petrographic analysis of the aggregate particles used in the accelerated mortar bar test for evaluating the potential reactivity of recycled concrete aggregate*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
51. Bérubé, M.A., Fournier, B., Côté, T. (2012) *Using the Damage Rating Index for assessing the expansion of concrete affected by freeze-thaw, sulphate attack, or ASR*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
52. Bérubé, M.A., Fournier, B., Côté, T. (2012) *Testing concrete cores for residual expansion due to AAR – an attempt to minimize alkali leaching and consequent unrealistic expansion decrease*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
53. Drimalas, T., Ideker, J.H., Arrietta, G., Folliard, K.J., Fournier, B., Thomas, M.D.A. (2012) *Evaluating combination of aggregates in the accelerated mortar bar test*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
54. Drimalas, T., Folliard, K.J., Thomas, M.D.A., Fournier, B., Bentivegna, A. (2012) *Study of the effectiveness of lithium and silane treatments on field structures affected by ASR*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).

55. Fecteau, P.L., Fournier, B., Duchesne, J. (2012) *Residual expansion testing : new aspects on cores extracted from exposure blocks submitted to environmental conditions*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
56. Folliard, K.J., Thomas, M.D.A., Fournier, B., Drimalas, T., Bentivegna, A. (2012) *Evaluation of mitigation measures applied to ASR-affected concrete elements : preliminary findings from Austin, Texas exposure site*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
57. Fournier, B., Rogers, C.A., MacDonald, C.A. (2012) *Multilaboratory study of the concrete prism and accelerated mortar bar expansion tests with Spratt aggregate*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
58. Hooton, R.D., Fournier, B., Kerenidis, K., Chevrier, R. (2012) *Mitigating alkali-silica reaction when using high-alkali cements*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
59. Ideker, J.H., Drimalas, T., Bentivegna, A.F., Folliard, K.J., Fournier, B., Thomas, M.D.A., Hooton, R.D., Rogers, C.A. (2012) *The importance of outdoor exposure site testing*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
60. Lu, D., Fournier, B., Grattan-Bellew, P.E., Xu Z., Tang, M. (2012) *Effectiveness of fly ash in suppressing ASR expansion in the modified Chinese accelerated Mortar-bar test*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
61. Sanchez, L.F.M., Fournier, B., Jolin, M. (2012) *Study of the parameters of the stiffness damage test for assessing concrete damage due to alkali-silica reaction*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
62. Sanchez, L.F.M., Salva, P., Fournier, B., Jolin, M., Pouliot, N., Hovington, A. (2012) *Evaluation of damage in the concrete elements of the viaduct Robert Bourassa-Charest after nearly 50 years in service*. 14th International Conference on AAR, Austin, Texas, May 20-25, (électronique).
63. Mikanovic, I., Mikanovic, N., Sharman, J., Gagné, R., Khayat, K., Jolicoeur, C. (2012) *Influence of Shrinkage Reducing Admixtures on Autogenous and Drying Shrinkage in SCC Mortars*, 10th International conference on Superplasticizer and Other Chemical Admixtures in Concrete, Prague, 28-31 octobre.
64. Morin, R., Gagné, R. (2012) *Design Considerations and Development of Durable Products for Restoration of Historic Landmarks in Old Montreal*, International Concrete Repair Institute – ICRI Spring Convention – Preservation engineering Masonry / Stone / Concrete, Québec, 18-20 avril.
65. Ducasse-Lapeyrusse, J., Gagné, R., Lors, C., Damidot, D. (2012) *Biocicatrisation pour le traitement des fissures dans les matériaux cimentaires : Étude de l'influence des souches bactérienne et du milieu précurseur*, Comptes rendus des 13^e Journées scientifiques du (RF)2B, Lyon, 5-6 juillet, p. 107-121.
66. Sanchez, L.F.M., Fournier, B., Jolin M. (2012) *The use of the Stiffness Damage Test (SDT) for the assessment of concrete structures damaged by alkali-silica reaction (ASR)*, 9th FIB International PhD Symposium in Civil Engineering, Germany, July.

67. Abouzied, A., Larochele, C., Ammar, M.-A., Masmoudi, R. (2012) *Nanoparticles Effect On FRP Filament-Winded Composites Performance*, Proceedings of the 6th Int. Conf. on FRP Composites in Civil Engineering (CICE2012), Rome, Italy, June 13-15, 13p.
68. Bellakehal, H., Zaïdi, A., Masmoudi, R., (2012) *Evaluation of the Combined Effect of Mechanical Loading and Freeze/Thaw Cycles on the Flexural Behaviour of One-Way Glass Fiber Reinforced Polymer Reinforced Concrete Slabs*, Proceedings of the 6th Int. Conf. on FRP Composites in Civil Engineering (CICE2012), Rome, Italy, June 13-15, 9p.
69. Bellakehal, H., Masmoudi, R., Zaidi, A., Bouhicha, M. (2012) *Combined Effect of Sustained Load and Freeze/Thaw Cycles on the Ultimate Capacity of One-Way GFRP Reinforced Concrete Slabs*, Proceedings of the 6th Int. Conf. on Advanced Composite Materials in Bridges and Structures (ACMBS-VI), Kingston, Ontario, May 22-25, 8p.
70. Abouzied, A., Masmoudi, R., Gagné, R., Tagnit-Hamou, A., (2012) *Effect of Nanoparticles Added to Vinyl Ester Resin on the Compressive Behavior of Square Concrete-Filled GFRP Tubes*, Proceedings of the 6th Int. Conf. on Advanced Composite Materials in Bridges and Structures (ACMBS-VI), Kingston, Ontario, May 22-25, 8p.
71. Bellakehal, H., Zaidi, A., Masmoudi, R., Bouhicha, M. (2012) *Flexural Behavior of One-way GRFP-Reinforced Concrete Slabs Subjected Simultaneously to Mechanical Load and Freeze/Thaw Cycles*, Proceedings of the 1st International Conference on Civil Engineering ICCE'2012, Laghouat University, Algeria, May 8-9, 10p.
72. Dagenais, M.-A., Massicotte, B. (2012) *Tension lap splices strengthened with ultra high performance fibre reinforced concrete*. BEFIB 2012, J. Barros et al. (eds), Guimaraes, Portugal, Sept. 2012, paper 02-019.
73. Massicotte, B., Ben Ftima, M., Nour, A., Yildiz, E., Conciatori, D. (2012) *Implementation of a validation procedure for using numerical models in concrete structure design and assessment*. Invited paper. SSCS2012, Aix-en-Provence, France, May 29-June 1st.
74. Ben Ftima, M, Massicotte, B. (2012) *Explicit nonlinear finite elements for the design of concrete structures: Application to hydraulic structures*. Session II-5 Other applications. SSCS2012, Aix-en-Provence, France, May 29-June 1st.
75. Conciatori, D., Massicotte, B. (2012) *Predicting the Shear Behaviour of Solid Slab Bridges using Nonlinear Finite Elements*. Session II-1 Bridges. SSCS2012, Aix-en-Provence, France, May 29-June 1st.
76. Yildiz, E., Massicotte, B. (2012) *Use of nonlinear finite element models for structural evaluation of concrete box girder bridges*. Session II-1 Bridges. SSCS2012, Aix-en-Provence, France, May 29-June 1st.
77. Tinawi, R., Leclerc, M., Mitchell, D., and Massad, A. (2012) *Seismic Evaluation of a 1930 Steel Bridge with Lightly Reinforced Concrete Piers*, Proc.15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper 904, Sept. 24-28, 10 p.
78. 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, Lisbon, Portugal, Sept. 24-28, 10 p.

79. Tehrani, P. and Mitchell, D. (2012) *Seismic Performance Assessment of Bridges in Montreal using Incremental Dynamic Analysis*, Proc.15th World Conference on Earthquake Engineering. Lisbon. Portugal, Paper 3096, Sept. 24-28, 10 p.
80. Fiset, M., Bastien, J., Mitchell, D. and Jolin, M. (2012) *Renforcement en Cisaillement Des Dalles Épaisses en Béton Armé: Étude Expérimentale et Numérique*, Treizième édition des Journées scientifiques du Regroupement Francophone pour la Recherche et la Formation sur le Béton, juillet 5-6, Lyon, France, 10 p.
81. Layssi, H. and Mitchell, D. (2012) *Experiments On Seismic Retrofit and Repair of Reinforced Concrete Shear Walls*, Proceedings of the 6th International Conference on FRP Composites in Civil Engineering (CICE), June 13-15, Rome, Italy, 10 p.
82. 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.
83. 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, Mar 27-31, Chicago, Il, 2279-2290.
84. Rahmatian, Bagchi, A. and Nokken, M. (2012) *Non-linear Finite Element Analysis of Fiber-reinforced Polymer Rectangular Beams in Structural Health Monitoring*, 6th International Conference on Advanced Composite Materials in Bridges and Structures, May 22-25, Kingston, ON.
85. Filali, B., Boone, F., Rhazi, J., Ballivy, G. (2012) *Radar signal interpretation based on the spectral phase analysis, study of the uncertainty*, 15th International Symposium on Antenna Technology and Applied Electromagnetics (ANTEM), Toulouse (France)
86. Jean, M., St-Martin, C., Carvalho, E., Roy, N., Rivard, P., Moradian, Z.A., Proulx, J. (2012) *Limits states of reinforced concrete bridge piers with fiber reinforced polymer (FRP)*, 15th World Conference on Earthquake Engineering, Lisboa (Portugal), septembre
87. Moradi-Marani, F., Rivard, P., Kodjo, S.A., Lamarche, C.P. (2012) *Time Shift Method, a new nondestructive acoustic method for early detecting ASR damages in concrete structures*, Structural Faults & Repairs. Edinburgh (Scotland), juin.
88. Thomas, M.D.A., Folliard, K.J., Fournier, B., Drimalas, T., Rivard, P. (2012) *Study of remedial actions on highway structures affected by ASR*, 14th Int. Conf. on AAR, Austin (Texas), May.
89. Moradi-Marani, F., Kodjo, S.A., Rivard, P., Folliard, K.J. (2012) *Effectiveness of nondestructive tests for assessing AAR-damage in the laboratory*, 14th Int. Conf. on AAR, Austin (Texas), May.
90. Boukari, Y., Bulteel, D., Rivard, P., Abriak, N.E. (2012) *Relevance of a multi-scale approach to monitor ASR in concrete*, 14th Int. Conf. on AAR, Austin (Texas), May.
91. Shao, Y., Wang, S. and He, Z. (2012) *Cement-bonded cellulose fiber composites by carbonation process*, Proc. of Int. Conf. on Composite Engineering and Nano Composites, ICCE-20 Beijing, China July 22-28, 2012.

92. Sorelli, L., Ulm, F.-J., Toutlemonde, F., Sheikh, A. (2012) *Prevention of early-age cracking for UHPFRC elements (cast-in-place or prefabricated) based on experience of Glenmore / Passerelle des Anges footbridges*, PRO 85: CONCRACK 3 – Control of Cracking in Concrete Structures 3 – International RILEM-JCI Conference and Workshop on Crack Control of Mass Concrete and Related Issues Concerning Early-Age of Concrete Structures, 15-16 March, Paris, France.
93. Zidol, A., Tohoue Tognonvi, M., Tagnit-Hamou, A. (2012) *Effect of glass powder on concrete sustainability*, 1st International Conference on Concrete Sustainability (ICCS13), Ref # 0229.
94. Zidol, A., Pavoine, A., Tagnit-Hamou, A. (2012) *Effect of glass powder on concrete durability*, International Congress on Durability of Concrete, Trondheim, Norvège, ICDC2012-D-11-00153.
95. Harbec, D., Tagnit-Hamou, A., Gitzhofer, F. (2012) *Influence of spheroidized glass nanoparticles on the early age reactivity mechanisms*, 4th International Symposium on Nanotechnology in Construction (NICOM4), Crete, Grèce.
96. Esmailkhanian, B., Feys, D., Hosseinpour, M., Yahia, A., Khayat, K.H. (2012) *Development of a Test Method for Dynamic Stability of Self-Consolidating Concrete*, in Twelfth International Conference on Recent Advances in Concrete Technology and Sustainability Issues, Prague, Czech Republic, October 2012.
97. Kabagire, D.K., Yahia, A., (2012) *New method to proportion pervious concrete with improved mechanical properties and hydraulic conductivity characteristics*, 1st Int. Conf. on Civil Engineering, ICCE 2012, Algérie, 10p.
98. Touahri, A., Yahia, A., Branci, T. (2012) *Mechanical properties of normal and high strength concrete reinforced with waste polypropylene fiber*, 1st Int. Conf. on Civil Engineering, ICCE 2012, Algérie, 10p.
99. Yahia, A., Hosseinpour, M., Khayat, K.H., (2012) *Flow performance of self-consolidating concrete – analytical simulation and experimental validation*, 1st Int. Conf. on Civil Engineering, ICCE 2012, Algérie, 10p.
100. Hammoud, R., Yahia, A., Boukhili, R., (2012) *Three-dimensional constitutive law for concrete*, Numerical modeling strategies for sustainable concrete structures, AFGC, Aix en Provence, France, May.
101. Hammoud, R., Boukhili, R., Yahia, A. (2012) *Chemoplastic modeling for concrete at high temperature*, 7th international conference on Structures in Fire, Zurich, Switzerland, June.

2011

1. Hamrouche, R., Klysz, G., Balayssac, J.-P., Rhazi, J., Ballivy, G. (2011) *Simulation and detection limit of EM waves in masonry structures with application of an algorithm for image processing*, PIERS Proceedings, Marrakesh, Morocco, 1799-1803.
2. Rousseau, B., Rivard, P., Ballivy, G., Riss, J., Marache, A. (2011) *Effect of the roughness of interfaces on the behavior of concrete gravity dams*, 14th Pan-American Conf. on Soil Mechanics and Geotechnical Engineering, Toronto (Canada), 2-6 oct.

3. Filali, B., Rhazi, J., Boone, F., Ballivy, G. (2011) *Characterization of the GPR Surface Waves for Civil Engineering Applications*. *PIERS Proceedings*, Marrakesh, Morocco, PIERS: 1794-1798.
4. Rousseau, B., Rivard, P., Ballivy, G., Riss, J., Marache, A. (2011) *Characterization of the roughness: statistic study of the interfaces of dams*, Congress of Canadian Dam Association, octobre, Fredericton (Canada).
5. Moradian, Z.A., Ballivy, G., Rivard, P. (2011) *Role of Adhesive Bond on Shear Mechanism of Bonded Concrete-Rock Joints under Direct Shear Test*, 45th US Rock Mechanics / Geomechanics Symposium, San Francisco, CA, Juin.
6. Ahmed, E., Benmokrane, B., and Wiseman, A. (2011) *Monitoring of Structural Slabs Reinforced with GFRP and Steel Bars in Laurier-Taché Parking*. Proceedings of the 5th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-5), Cancun, Mexico, Dec.11-15, 10 p.
7. Claude, J.-F., Ahmed, E., Cusson, D., and Benmokrane, B. (2011) *Field Monitoring of MTQ 202ME Concrete Bridge Barriers Reinforced with GFRP and Steel Bars*. Proceedings of the 5th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-5), Cancun, Mexico, Dec. 11-15, 10 p.
8. Tremblay, J., Tobbi, H., and Benmokrane, B. (2011) *FBG Based Embeddable Strain Sensor: High Strain Measurement*. Proceedings of the 5th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-5), Cancun, Mexico, Dec.11-15, 6 p.
9. Mofidi, A., Chaallal, O., Benmokrane, B., and Neale, K.W. (2011) *Experimental Tests and Design Model for RC Beams Strengthened in Shear Using the Embedded Through-Section FRP Method*. Proceedings of the 26th ASC Technical Conference/2nd Joint US-Canada Conference on Composites, Montréal, Québec, Canada, Sept. 26-28, 10p.
10. Ahmed, E.A., El-Nemr, A., Tremblay, J., Benmokrane, B., and Dulude, C. (2011) *Laboratory Evaluation of FBG Sensors in Full-Scale Concrete Beams*. Proceedings of the 1st Middle East Conference on Smart Monitoring Assessment and Rehabilitation of Civil Structures (SMAR2011), Dubai, UAE, Feb. 8-10, 8p.
11. Ahmed, E.A. and Benmokrane, B. (2011) *Performance of Concrete Bridge Barriers Reinforced with Conditioned GFRP Bars in Alkaline Solution*. Proceedings of the 4th International Conference on Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction and Rehabilitation (CDCC2011), Quebec City, Quebec, Canada, July 20-22, 10 p.
12. Ahmed, E.A., Dulude, C., Goulet, S., and Benmokrane, B. (2011) *Concrete Demolition of Bridge Barriers and Deck Slabs Reinforced with GFRP Bars*. Proceedings of the 4th International Conference on Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction and Rehabilitation (CDCC2011), Quebec City, Quebec, Canada, July 20-22, 12 p.
13. Montaigu, M., Robert, M., and Benmokrane, B. (2011) *Durability Characteristics of New GFRP Dowels for Concrete Pavement*. Proceedings of the 4th International Conference on

Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction and Rehabilitation (CDCC2011), Quebec City, Quebec, Canada, July 20-22, 10 p.

14. Mufti, A.A., Newhook, J., Benmokrane, B., Tadros, G., and Vogel, H.M. (2011) *Durability of GFRP Rods in Field Demonstration Projects across Canada*. Proceedings of the 4th International Conference on Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction and Rehabilitation (CDCC2011), Quebec City, Quebec, Canada, July 20-22, 9 p.
15. Robert, M., Fam, A., and Benmokrane, B. (2011) *Durability of Concrete-Filled FRP Tubes Subjected to Salt Solution*. Proceedings of the 4th International Conference on Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction and Rehabilitation (CDCC2011), Quebec City, Quebec, Canada, July 20-22, 9 p.
16. Robert, M., Fam, A., and Benmokrane, B. (2011) *Durability of Glass FRP Bars Subjected to Extreme Environmental and Loading Conditions*. Proceedings of the 4th International Conference on Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction and Rehabilitation (CDCC2011), Quebec City, Quebec, July 20-22, 11 p.
17. Caron Perigny, P.-O., Robert, M., Benmokrane, B. (2011) *Creep Rupture Experimental Method for Strength Evaluation of GFRP Reinforcing Bars*, 4th Int Conf on Durability & Sustainability of FRP Composites for Construction and Rehabilitation (CDCC), 20-22 juillet, Québec, Canada.
18. Montaigu, M., Robert, M., Benmokrane, B. (2011) *Laboratory Evaluation of Pultruded Polyester and Vinylester GFRP Dowels for Concrete Pavement*, 2nd Int Eng Mechanics and Materials Specialty Conf (CSCE), 14-17 juin, Ottawa, Canada.
19. Claude, J.-F., Ahmed, E., Cusson, D., and Benmokrane, B. (2011) *Early-Age Cracking of Steel and GFRP-Reinforced Concrete Bridge Barriers*. Proceedings of the Annual General Meeting and Conference of the Canadian Society for Civil Engineering (CSCE), Ottawa, Ontario June 14-17, 10p.
20. Hassan, M., Dulude, C., Ahmed, E., and Benmokrane, B. (2011) *Punching Shear Strength of Flat Slabs Reinforced with Glass Fibre-Reinforced Polymer (GFRP) Bars*. Proceedings of the Annual General Meeting and Conference of the Canadian Society for Civil Engineering (CSCE), Ottawa, Ontario June 14-17, 10p.
21. El-Nemr, A., Ahmed, E., and Benmokrane, B. (2011) *Instantaneous Deflection of Slender Concrete Beams Reinforced with GFRP Bars*. Proceedings of the 2nd International Mechanics and Materials Specialty Conference, Annual General Meeting and Conference of the Canadian Society for Civil Engineering (CSCE), Ottawa, Ontario, June 14-17, 10p.
22. Mermillod-Blondin R., Bouzahzah H., Benzaazoua, M., Marion, P., Valle, N., Mathieu, S., Cousin, P. (2011) *Process mineralogy of the refractory gold part of the Lapa ORE deposit*. Conference of metallurgist 2011(COM 2011), World Gold 2011, 3rd International Conference, Montreal, Canada, October 2-5.
23. Genty, T., Bussière, B., Neculita, C.M., Benzaazoua, M., Zagury, G.J. (2011) *Passive treatment of acid mine drainage: repeatability for sulphate reducing passive bioreactor column efficiency testing*. International Mine Water Association Symposium 2011, Mine

Water - Managing the challenges. Rüde, Freund & Wolkersdorfer (Editors), Aachen, Germany, September 4-11: 71-76.

24. Burns, D., Jolin, M., Bissonnette, B., (2011) *A Fundamental approach to pumping concrete for wet-mix shotcrete*, Sprayed Concrete Symposium Proceedings, Tromsø, Norway, September 12-15.
25. Jolin, M., Bolduc, L.-S., Bissonnette, B., Power, P. (2011), *Long-term durability of sprayed concrete*, Sprayed Concrete Symposium Proceedings, Tromsø, Norway, September 12-15.
26. Courard, L., Bissonnette, B. (2011) *Quality assurance in repairing industrial floors: parameters and recommendations*, 18th Slovenski kolokvij o betonih (Ed. A. Zajc, IRMA), Ljubljana, Slovenia, 19 mai, pp. 11-18.
27. Aubertin, M., Bussière, B., Zagury, B. (2011) *La gestion des rejets miniers au Québec, L'État du Québec 2011*. Institut du Nouveau Monde, Boréal, pp. 225-232.
28. Aubertin, M., Li, L., El Mkadmi, N., Jahanbakhshzadeh, A., Bussière, B. (2011) *Analyse de la réponse des remblais formés de rejets miniers pour la conception sécuritaire des chantiers et barricades*. Symposium 2011 sur l'environnement et les mines, Rouyn-Noranda, Québec, Novembre 6-9.
29. Coussy, S., Benzaazoua, M., Blanc, D., Bussière, B., Moszkowicz, P. (2011) *Stabilisation de l'arsenic dans les remblais miniers en pâte cimenté*, Symposium 2011 sur l'environnement et les mines, Rouyn-Noranda, Québec, Novembre 6-9.
30. Demers, I., Bussière, B., Plante, B. (2011) *Field sorption tests to evaluate nickel sorption on mine waste rock*, Pan-Am CGS Geotechnical Conference, Toronto.
31. Pabst, T., Aubertin, M., Bussière, B. and Molson, J. (2011) *Column tests to assess water flow and oxygen transport in monolayer covers for the reclamation of acid-generating tailings*. 2011 Mine Closure Conference, Lake Louise, Alberta, September 18-21.
32. Pabst, T., Molson, J., Aubertin, M., and Bussière, B. (2011) *Physical and geochemical transport modelling of pre-oxidized acid-generating tailings with a monolayer cover*. 2011 Mine Closure Conference, Lake Louise, Alberta, September 18-21.
33. Charron, J.-P., Duchesneau, F., Massicotte, B. (2011) *Static and dynamic behaviour of precast bridge parapets in ultra-high fiber reinforced concrete*, HPRCC 6 Workshop, Ann Harbor, June 2011, 8 pages. NSERC.
34. Desmettre, C., Charron, J.-P. (2011) *Towards elaboration of design criteria at serviceability of fiber reinforced concrete structures*, ACI Convention Spring 2011, Tampa Bay, April 4-6 2011, 10 p. FQRNT.
35. Shamsipour, P., Marcotte, D. and Chouteau, M. (2011) *3D stochastic joint inversion of geophysical data*. EGM International Meeting, Beijing, China, October.
36. Dawood, I., Aubertin, M., Intissar, R., Chouteau, M. (2011) *A combined hydrogeological-geophysical approach to evaluate unsaturated flow in a large waste rock pile*, Pan-Am CGS Geotech Conf, Toronto.

37. Oueslati, O. and Duchesne, J. (2011) *Impact of acetic acid attack on the chemical, physical and mineralogical evolution of cement pastes*, 7th Int. Symp. on Cement Based Materials for a Sustainable Agriculture (CSAS), September 18-21, Québec city, Canada.
38. Oueslati, O. and Duchesne, J. (2011) *Acetic acid attack of cement matrix: evaluation of durability parameters*, XIII ICCI International Congress on the Chemistry of Cement, Madrid, Spain, July 3-8.
39. Duchesne, J. and Fournier, B. (2011) *Petrography of concrete deteriorated by weathering of sulphide minerals*, 33rd Int. Conf. on Cement Microscopy, San Francisco, USA, April 17-20, 2011.
40. Plante, B., Pepin, G., Bussière, B., Benzaazoua, M. (2011) *Scale effects in the prediction of Nickel-CND generation from waste rocks*, Congrès annuel conjoint de la Geological Association of Canada et de la Mineralogical Association of Canada (GAC-MAC), Ottawa, Canada.
41. Yilmaz, E., Benzaazoua, M., Bussière, B., Pouliot, S. (2011) *Field experimental cells to investigate the hydrogeotechnical behaviour of surface paste disposal: Design, implementation, and preliminary results*. Processing & Disposal of Mineral Industry Waste'07. Method. Sustainability through Resource Conservation & Recycling (SRCR'11), Falmouth, Cornwall, UK, May 10-12.
42. El-Zefzafy, H., Mohamed, H.-H., Masmoudi, R., Marchand, J., Gagné, R. (2011) *Effect of the freeze-thaw exposure on the axial behavior of concrete filled fiber-reinforced polymer tubes*, Comptes rendus First Middle East Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, Dubai, 8-10 février, 8 p.
43. Argouges, M. et Gagné, R. (2011) *Mécanismes et cinétique de l'autocicatrisation dans des mortiers cimentaires : influence de la refissuration*, Comptes rendus des 12^e Journées scientifiques du (RF)2B, Luxembourg, 6-8 juillet, p. 13-25.
44. Houéhanou, E., Gagné, R., Jolin, M. (2011) *Analyse de la représentativité et de la sévérité relative des procédures normalisées ASTM C672 et NQ 2621-900 pour l'évaluation de la résistance à l'écaillage des bétons*, 79^e Congrès de l'ACFAS, Sherbrooke, 9-13 mai.
45. Masmoudi, R., Mohamed, H. (2011) *Evaluation of Deflection Equations For Concrete-Filled FRP Tube Beams*, Proceedings of the Annual Conference of the CSCE, Ottawa, On, Canada, June 14-16, 10p.
46. Mohamed, H., Abdel-Baky, H., Masmoudi, R., (2011) *Buckling Load Analysis of Concrete Filled FRP-Tube Columns*, Proceedings of the Annual Conference of the CSCE, Ottawa, On, Canada, June 14-17, 10p.
47. El-Zefzafy, H., Mohamed, H., Masmoudi, R. (2011) *Freeze-Thaw Effects on The Behavior Of Concrete-Filled FRP Tube Columns*, Proceedings of the Annual Conference of the CSCE, Ottawa, On, Canada, June 14-17, 10p.
48. Metiche, S.H., Masmoudi, R. (2011) *Load-Strain Behavior of Full-Scale GFRP Poles under Cantilever Loading*, Proceedings of the Annual Conference of the CSCE, Ottawa, On, Canada, June 14-17, 10p.

49. Bellakahel, H., Masmoudi, R., Zaidi, A., Bouhicha, M. (2011) *Combined Effects of Thermal and Mechanical Loads on the Behaviour of FRP Reinforced Concrete Slabs Theoretical And Experimental Studies*, Proceedings of the Annual Conference of the CSCE, Ottawa, On, Canada, June 14-17, 10p.
50. El-Zefzafy, H., Mohamed, H., Masmoudi, R. (2011) *Effect of Freeze/Thaw Cycles on the Compression Strength of Concrete-Filled-FRP Tube Cylinders*, Proceedings of the 4th Int. Conf. on Durability of Composites for Construction CDCC 2011, Quebec, Qc, Canada, July 20-22, 9p.
51. El-Zefzafy, H., Masmoudi, R. (2011) *Axial Behaviour of Concrete-Filled FRP Tube Columns After 300-Freeze-Thaw Cycles*, Proceedings of the 4th Int. Conf. on Durability of Composites for Construction CDCC 2011, Quebec, Qc, Canada, July 20-22, 8p.
52. El-Zefzafy, H., Mohamed, H., Masmoudi, R. (2011) *Freeze-Thaw Cycling Effect on the Mechanical Properties of FRP-Filament-Wound Tubes*, Proceedings of the 4th Int. Conf. on Durability of Composites for Construction CDCC 2011, Quebec, Qc, Canada, July 20-22, 9p.
53. Bellakahel, H., Masmoudi, R., Zaidi, A., Bouhicha, M. (2011) *Effect of Mechanical Load on the Thermal Behavior of Concrete Slab Reinforced with Fibre Reinforced Polymer (FRP) Bars*, Proceedings of the 4th Int. Conf. on Durability of Composites for Construction CDCC 2011, Quebec, Qc, Canada, July 20-22, 8p.
54. Zaidi, H., Masmoudi, R., Bouhicha, M. (2011) *Numerical Simulation of Thermal Deformations in FRP-Reinforced Concrete Members in Hot Region*, Proceedings of the 4th Int. Conf. on Durability of Composites for Construction CDCC 2011, Quebec, Qc, Canada, July 20-22, 9p.
55. Masmoudi, R., Mohamed, H. (2011) *Behavior of Steel and Carbon FRP-Reinforced Concrete-Filled FRP Tube Columns under Eccentric Loads*, Proceedings of the 1st Middle East Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures SMAR 2011, Dubai, February 8-10, 8p
56. Mohamed, H., Masmoudi, R., Shao, Y. (2011) *Slenderness Ratio Effect on the Behavior of Steel and Carbon-FRP Reinforced Concrete-Filled FRP Tubes*, Proceedings of the 1st Middle East Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures SMAR 2011, Dubai, February 8-10, 8p.
57. Abrishami, H.H., Elgohary, M., Mitchell, D., Cook, W.D. and Mindess, S. (2011) *Study on Protective Concrete for Severe Accident Conditions*, Transactions, Transactions of International Association for Structural Mechanics in Reactor Technology (SMiRT) Conference 21, 6-11 November, New Delhi, India, Div-VI: Paper # 724, 8 p.
58. Mitchell, D. (2011) *Developments in NBCC for the Seismic Design of Concrete Structures*, CSCE Conference, Ottawa, June 15, 10 p.
59. Tischer, H, Mitchell, D. and McClure, G. (2011) *Comparison of Seismic Screening Methods for Schools in a Moderate Seismic Zone*, Proceedings, III ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Corfu, Greece, Paper 275, May, 15 p.
60. Kermani, M.F., Hassani, F.P., Benzaazoua, M., Nokken, M. (2011) *Evaluation of the Effect of Sodium Silicate Addition to Mine Backfill*, 22nd World Mining Conference, 11-16 September, Istanbul, Turkey, Vol. 1, pp. 317-324.

61. Kermani, M.F., Hassani, F.P., Isagon, I., Nokken, M., Haj-Zamani, S. (2011) *Investigation into mechanical and microstructural properties of Gelfill*, Proceeding of the 10th International Conference on Mining with Backfill. March 21-25 2011, Cape Town, South Africa. pp. 153-158.
62. Kermani, M.F., Hassani, F.P., Isagon, I., Nokken, M. (2011) *The effect of sodium silicate and pulp density on the physical property of Gelfill*, Proceeding of the 26th International Conference on Solid Waste Technology and Management. Philadelphia, PA U.S.A., March 27-30, pp. 1322-1332.
63. Rhazi, J. (2011) *Évaluation non destructive des piliers de l'évacuateur de crue d'un barrage de béton*, Innovation et valorisation en génie civil & matériaux de construction, Maroc.
64. Rhazi, J. (2011) *Test Method for Evaluating Asphalt-Covered Concrete Bridge Decks Using Ground Penetrating Radar*, Progress In Electromagnetics Research Symposium, Maroc, 6p.
65. Bui, D., Kodjo, A.S, Rivard, P., Fournier, B. (2011) *Application of the time-shift technique with an indirect and semi-direct configuration of transducers for field investigation of concrete structures*, QNDE, Burlington (USA), juillet.
66. Moradi-Marani, F., Kodjo, S.A., Rivard, P., Lamarche, C.P. (2011) *Application of the mechanical perturbation produced by traffic as a new approach of nonlinear acoustic technique for detecting microcracks in the concrete: a laboratory simulation*, QNDE, Burlington (USA), juillet.
67. Moradian, Z.A., Taillet, E., Millet, A., Ballivy, G., Rivard, P., Lataste, J.F. (2011) *NDT monitoring of sliding surfaces in concrete dams*, Congress of Can, Dam Ass., Fredericton (Canada), octobre.
68. Boukari, Y., Rivard, P., Bulteel, D., Ballivy, G. (2011) *Comparative study of nonlinear resonance and wave interaction techniques for concrete damage assessment*, Int. Symp. on NDT of Materials and Structures, Istanbul, Turquie, mai.
69. Nzumotcha, T.L.A., Chouteau, M., Giroux, B., Rivard, P., Saleh, K., Côté, A. (2011) *A Case study of the Self-Potential method to characterize seepage and earth dam materials*, Int. Symp. on NDT of Materials and Structures, Istanbul, Turquie, mai.
70. Shao, Y., Monkman, S. and He, Z. (2011) *CO₂ Activated Steel Slag as Cementing Material*, Proc. of International Congress on Cement Chemistry (ICCC XIII), Madrid July 3-8.
71. Shao, Y., Monkman, S. and He, Z. (2011) *Performance of Slag-Cement Concrete Subject to Early Carbonation Curing*, 6th Concrete Sustainability Conference, Boston, August.
72. Harbec, D., Tagnit-Hamou, A. and Gitzhofer, F. (2011) *Waste glass nanoparticles as an alternative supplementary cementitious material*, 13th Int. Congr. Chem. of Cement, Madrid, Espagne, 626.
73. Harbec, D., Gitzhofer, F. and Tagnit-Hamou, A. (2011) *Spheroidization of nanometric waste glass powder for use in cementitious materials via the technology of RF induction plasma torch*, 20th International Symposium on Plasma Chemistry, Philadelphie, USA.

Monographies, livres et chapitres de livre

2014

1. Bisailon, V., Ben Amor, M. et Webster, A. (2014), *Sustainable development integration strategies in higher education: Case study of two universities and five colleges in Quebec, Transformative approaches to sustainable development at universities: working across disciplines*, WSSD-U-2014, Manchester, UK, Springer, 17p.
2. Bastien J., Rouleau N., Fiset, M. et Thomassin, M. (éditeurs) (2014) *The 10th fib International PhD Symposium in Civil Engineering*, Canada, July 21-23, 625p.
3. Bastien, J., Fédération internationale de béton (2014) *Polymer duct systems for internal bonded post-tensioning*, Chairperson Commission 9, 101p.
4. Benmokrane, B., Committee Chair and Contributing Author, CSA Committee S808 (2014) *Specification for Fibre-Reinforced Polymer (FRP) Materials for Externally Reinforcing Structures*, Canadian Standard Association CAN/CSA S808-14.
5. Benmokrane, B., Contributing Author, ACI Committee 440 (2014) *Guide for the Design and Construction of Concrete Reinforced with FRP Bars* in Manual of Concrete Practice, American Concrete Institute ACI 440.1R-14.
6. Godbout, L. et Joanis, M., sous la direction de (2014) *Le Québec économique 5 (2013-2014): Les grands enjeux de finances publiques*, Québec : Presses de l'université Laval.
7. M. Eklou, K., Farvaque, É., Foucault, M. et Joanis, M. (2014) *Les règles budgétaires: un mal nécessaire?*, dans *Le Québec économique 5*, sous la direction de Godbout, L. et Joanis, M., Québec: Presses de l'Université Laval.
8. Godbout, L. et Joanis, M., sous la direction de (2014) *Le Québec et l'indice Vivre mieux de l'OCDE: une mise à jour*, dans *Le Québec économique 5*, Québec: Presses de l'Université Laval.
9. Joanis, M. (2014) *Dettes publiques : pourquoi insister sur l'urgence d'agir?*, dans *Les défis Québécois : conjonctures et transitions*, sous la direction de Bernier, R., Québec : Presses de l'Université du Québec.
10. Collins, M.P. and Mitchell, D. (2014) *Shear Design and Evaluation of Concrete Structures*, National Lecture Series, Concrete Institute of Australia, March, 150 p.

2013

1. Benmokrane, B., El-Sayed, A., and El-Salakawy, E. (2013) *Codes and Standards. In Section IV: FRP Composites for Reinforcement of Concrete Structures*. "The International Handbook of FRP Composites in Civil Engineering", Zoghi, M. (Editor), CRC Press, a Taylor & Francis Company, Florida, USA, 10p.
2. Boyd, A. (2013) *ACI 228.2R-13 Report on Nondestructive Test Methods for Evaluation of Concrete in Structures*, American Concrete Institute, Farmington Hills, MI, USA, 62 pp.
3. Duchesne, J. and Bertron, A. (2013) *Leaching of cementitious materials by pure water and strong acids (HCl and HNO₃)*, M. Alexander et al. (eds.), Performance of Cement-Based

Materials in Aggressive Aqueous Environments, RILEM State-of-the-Art Reports 10, DOI 10.1007/978-94-007-5413-3_4, # RILEM 2013, 91-111.

4. Bertron, A. and Duchesne, J. (2013) *Attack of cementitious materials by organic acids in agricultural and agrofood effluents*, M. Alexander et al. (eds.), Performance of Cement-Based Materials in Aggressive Aqueous Environments, RILEM State-of-the-Art Reports 10, DOI 10.1007/978-94-007-5413-3_4, # RILEM 2013, 131-173.
5. Joanis, M., Godbout, L. et Duclos, J.-Y., sous la direction de (2013) *Le Québec économique 2012: Le point sur le revenu des Québécois*, Québec: Presses de l'Université Laval.
6. Massicotte, B. (2013) *Calcul des structures en béton armé – Concepts de base*. Éditions da Vinci, Collection scientifique. Laval, Québec, Canada. 345p.
7. Mitchell, D. and Paultre, P. (2013) *Summary of Seismic Codes - Canada, fib Bulletin 7.6 Critical Comparison of Major Seismic Design Codes for Buildings, Bulletin 69*, Fédération Internationale du Béton, Aug., pp. 30-47.
8. Tehrani, P. and Mitchell, D. (2013) *Chapter 21-Incremental Dynamic Analysis (IDA) Applied to Seismic Risk Assessment of Bridges*, Handbook of Seismic Risk Analysis and Management of Civil Infrastructure Systems, Edited by Tesfamariam, S. and Goda, K., Woodhead Publishing Ltd., Cambridge, pp 561-596.
9. Toutlemonde, F., Fouré, B., Sorelli, L., Baby, F., Marchand, P., Ulm F.-J. (2013) Chapitre 43 - *An Overview of Research Advances from 2002 Concerning UHPFRC in View of Updating the AFGC Recommendations*, in Designing and Building with UHPFRC, Copyright © 2011 by John Wiley & Sons, Inc., Designing and Building with UHPFRC, Editor(s): Toutlemonde F., Resplendino, J. Published Online: 12 Feb. 2013, Print ISBN: 9781848212718, pages 639-664.

2012

1. Bastien, J., Fédération Internationale de béton (2012) *Fib 2010 Model Code, Bulletins 65 et 66*, Chairperson Commission 9, 311p. et 331p.
2. Bastien J., Fédération internationale de béton (2012) *Effect of zinc on prestressing steel, Bulletin 64*, Chairperson Commission 9, 18p.
3. Benmokrane, B., Committee Co-Chair and Contributing Author, CSA Committee S806 (2012) *Design and Construction of Building Structures with Fibre Reinforced Polymers*, Canadian Standard Association CAN/CSA S806-12.
4. Boyd, A. (2012) AASHTO TP 95-11 *Standard Test Method for Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration*, American Association of State Highway and Transportation Officials, Washington, DC, USA, 10 pp.
5. Godbout, L., Joanis, M. et de Marcellis-Warin, N., sous la direction de (2012) *Le Québec économique 2011: Un bilan de santé du Québec*, Québec : Presses de l'Université Laval.
6. Lecocq, A. et Joanis, M. (2012) *Au-delà des certitudes : pouvoir gris, obésité et autres dimensions incertaines de l'impact budgétaire du vieillissement*, dans Le vieillissement de la population: enjeux d'ici et d'ailleurs, sous la direction de Marier, P., Québec: Presses de l'Université Laval.

7. Godbout, L. et Joanis, M. (2012) *Vivre mieux... au Québec?*, dans Le Québec économique 2011, sous la direction de Godbout, L., Joanis, M. et de Marcellis-Warin, N., Québec: Presses de l'Université Laval.
8. Lataste, J.F., Rivard, P. (2012) Chapitre *NDT characterization of bonding, delaminations and interfaces*, d'un ouvrage collectif: *Non-Destructive Assessment of Concrete Structures: Reliability and Limits of Single and Combined Techniques*, 227-262, Ed. Springervos Publications.

2011

1. Benmokrane, B , Co-Chair and Contributing Author, CSA Sub-Committee S16 of the Canadian Highway Bridge Design Code (2011) *Fibre Reinforced Structures*, Canadian Standard Association CAN/CSA S6-06/S1.
2. Benmokrane, B., El-Salakawy, E., and Ahmed, E. (Editors) (2011) *Durability and Sustainability of Fibre Reinforced Polymer (FRP) Composites for Construction & Rehabilitation*, Proceedings of the Fourth International Conference (CDCC2011), July 20-22, Quebec City (Quebec), 687 p.
3. Bissonnette, B., Courard, L., Fowler, D.W., Granju, J.-L. (2011) *Bonded cement-based material overlays for the repair, the lining or the strengthening of slabs or pavements*, RILEM TC 193-RLS, RILEM State-of-the-Art Reports (Vol. 3), 186 p.
4. Charron, J.-P., Niamba, E., Massicotte, B. (2011) *Precast bridge parapets in UHPFRC - Chapter 26*, Designing and Building with UHPFRC, Wiley, Paris, pp.391-403.
5. Turatsinze, A., Beushausen, H., Gagné, R., Granju, J.L., Silfwerbrand, J., Walter, R. (2011) *Debonding. In Bonded Cement-Based Materails Overlays for the Repair, the Lining or the Strengthening of Slabs or Pavements – Chapter 6*, RILEM State-of-the-Art Reports, B. Bissonnette, L. Courard, D. W. Fowler, J.-L. Granju, Éditeurs, Springer, 29 p.