

## **CRIB - Liste des publications du CRIB 2017-2018**

### **Centre de recherche sur les infrastructures en béton**

#### **Publication dans des actes de colloque**

Foucault M et Joanis M (2018). « Campaign Spending Limits and Electoral Competition in a Floating Two-Party System », dans 2018 meeting of the International Institute of Public Finance, Tampere, Finlande

Mawulikplimi Eklou KR et Joanis M (2017). « Do National Fiscal Rules Matter For Political Budget Cycles in Developing Countries? », dans 2017 meeting of the International Institute of Public Finance, Tokyo, Japon

Mitchell D (2017). « Canadian Code Framework for Performance Base Seismic Design of Bridges », dans Proceedings of International Association of Bridge and Structural Engineering, Vancouver, Colombie-Britannique, Canada, p. 3160-3167

Mitchell D, Cook WD, Massicotte B et Yildiz E (2017). « The Existing Champlain Bridge – Assessment Using Refined Analysis », dans Proceedings of International Association of Bridge and Structural Engineering, Vancouver, Colombie- Britannique, Canada, p. 1513-1520

Cordoni N et Massicotte B (2018). « Design of precast prestressed SFRC T-girders for accelerated sustainable bridge construction », dans Fibre Reinforced Concrete: from Design to Structural Applications Joint ACI-fib-RILEM International Workshop - FRC2018, Desenzano, Italie

Edahbi M, Plante B, Benzaazoua M, Doire S et Kormos L (2017). « Mineralogical and geochemical study of rare earth elements from a silicate deposit », Process Mineralogy 2017, Cape-Town, South Africa

Gascon M, Massicotte B et Lagier F (2017). « Behaviour of headed shear stud connectors in composite beams with UHPFRC connection », dans UHPFRC 2017 Designing and Building with UHPFRC: New large-scale implementations, recent technical advances, experience and standards, Montpellier, France, p. 471-480

Jolicoeur O, Massicotte B, Ben Ftima M et Lagier F (2017). « Effectiveness of UHPFRC cover for the seismic strengthening of deficient bridge piers », dans IABSE Symposium Vancouver 2017: Engineering the Future, Vancouver, Colombie- Britannique, Canada, p. 2715-2722

Massicotte B, Lagier F, Dagenais MA et Garneau JF (2017). « Bridge pier seismic strengthening using UHPFRC cover », dans 16th World Conference on Earthquake

Kodippilli D, Rezabeigi E, Nokken M et Drew R (2017). « Synthesis of silica nanoparticles via sol-gel and incorporation into cement paste », dans 10th ACI/RILEM International

Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

Mofidi A, Cheng L, Chaallal O et Shao Y (2017). « Shear Strengthening of RC Beams with NSM FRP — Influencing Parameters and A Theoretical Model », dans 13th International Conference on FRP reinforced concrete structures, Anaheim, Californie, États-Unis

Dores SL, Whalen J, Shao Y et Savadogo O (2017). « Characterization of the Corn Cob to Know Its Potential as a Source of Biosilica to Be Used in Sustainable Cementitious Mixtures », dans 19th International Conference on Sustainable Development of Environment and Structural Engineering, Miami, Floride, États-Unis

Shao Y, Ghouleh Z et He Z (2017). « CO2 Utilization in Concrete Production », dans 15th International Conference of Carbon dioxide utilization, Shanghai, Chine

Shao Y, Mahoutian M et Ghouleh Z (2017). « Carbonation-activated steel slag binder as alternative cementing material », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

El-Hassan H et Shao Y (2017). « Performance of Carbonation-Cured Concrete with Portland Limestone Cement », dans ACI Spring Convention, Milwaukie, Oregon, États-Unis

Alhamdan A et Ahmed AS (2018). « Correlation Between Different Factors Controlling Shrinkage Behavior of Geopolymer Mortar », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau- Brunswick, Canada

Alhamdan A et Ahmed AS (2018). « Effect of Shrinkage Reducing Admixtures on Shrinkage Behavior of Geopolymer Mortar », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau- Brunswick, Canada

Adesina A et Ahmed AS (2018). « Toward A Greener Construction: Development of Alkali Activated Grout », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Hassan S, Ahmed AS et Nokken M (2018). « Influence of Shape and Casting Direction on ASR Expansion », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Hassan S, Ahmed AS et Nokken M (2018). « Electrical Resistivity, Absorption and Mechanical Properties of Rubberized Concrete », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau- Brunswick, Canada

Abubakr A et Ahmed AS (2018). « Enhancing Concrete Properties Using Nano Materials », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Al Makhadmeh W et Ahmed AS (2018). « Shrinkage cracking in alkali-activated slag concrete: Mitigation techniques », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Adesina A et Ahmed AS (2018). « Properties of Alkali Activated Mortar Incorporating Recycled Concrete and Ceramic Waste as Fine Aggregate », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Boudali S, Ahmed AS, Poncet S, Godbout S et Palacios J (2018). « Utilizing agricultural - wastes to produce green Materials for construction Applications: A review », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Boudali S, Hassan S, Ahmed AS, Poncet S, Godbout S et al. (2018). « Potential Implementation of Different Agro-wastes in Concrete », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Ahmed AS et Desbrousses R (2018). « The uses of polymers in concrete: Potentials and Difficulties », dans CSCE 2018 Annual Conference: 7th International Materials Specialty Conference, Fredericton, Nouveau-Brunswick, Canada

Ali A et Masmoudi R (2018). « Experimental Investigation of a New Beam-Column Connection for Concrete-Filled FRP Tubes (CFFTs) », dans 9th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering (CICE 2018), Paris, France, International Institute for FPR Construction, p. 500-507

Hussein M, Masmoudi R et Moussa A (2018). « Moment-Curvature Characteristics of Steel and CFRP Reinforced CFFT Columns: Experimental and Theoretical Study », dans 9th International Conference on Fibre-Reinforced Polymer (FRP) Composites in Civil Engineering (CICE 2018), Paris, France, International Institute for FPR Construction, p. 508-512

Abdeldaim A et Masmoudi R (2018). « Moment Capacity Prediction of Rectangular Concrete-Filled FRP (CFFT) Tube Beams Filled With Reinforced Concrete », dans 10th International Conference on Short and Medium Span Bridges, Québec, Québec, Canada, p. 1-7

Hussein M, Mohamed H et Masmoudi R (2018). « Nonlinear Effective Stiffness Equation for Slender Circular Steel-Reinforced CFFT Columns », dans 10th International Conference on Short and Medium Span Bridges, Québec, Québec, Canada, p. 1-9

Masmoudi R, Mohamed H et Hussein M (2018). « Design Of Reinforced CFFT Columns under Eccentric and Concentric Loads, Proceed », dans First International Conference on Vulnerability and Rehabilitation of Structures, Alger, Algérie, p. 1-11

Zaidi A, Boussouar A, Mouattah K et Masmoudi R (2017). « Concrete Strength Variation Effect on Numerical Thermal Deformations of FRP Bars- Reinforced Concrete Beams in Hot Regions », dans 3rd International Sustainable Buildings Symposium, Dubai, Émirats Arabes Unis, Springer, p. 526-535

Abdeldaim A et Masmoudi R (2017). « Experimental and Analytical Investigations on CFFT Columns with FRP Internal Bars under Cyclic Compression Loading », dans ACI-Fall Convention 2017, Anaheim, Californie, États-Unis

El-Zafzafy H, Mohamed H et Masmoudi R (2017). « Freeze-Thaw Cyclic Effect on the Environmental Reduction Factor of CFFT Columns », dans 5th International Conference on Durability of FRP Composites for Construction and Rehabilitation of Structures (CDCC2017), Sherbrook, Québec, Canada, p. 347-356

Lardjane S, Zaidi A, Bellakahel H et Masmoudi R (2017). « Numerical Simulation of Thermal and Mechanical Loads Effects on the Behavior of One- Way Concrete Slabs Reinforced with FRP Bars », dans 5th International Conference on Durability of FRP Composites for Construction and Rehabilitation of Structures (CDCC2017), Sherbrook, Québec, Canada, p. 169-176

Ali A, Masmoudi R et Iqbal MI (2017). « Effect of Sand-Coating Bond Performance on The Flexural Capacity of Circular Concrete-Filled FRP Tubes », dans Proceedings of the Annual Conference of the CSCE 2017, Vancouver, Colombie-Britannique, Canada, p. 1-10

Robillard D, Masmoudi R et Roy N (2017). « Cyclic Behavior of Concrete Filled Fiber Reinforced Polymer Tube », dans Proceedings of the Annual Conference of the CSCE 2017, Vancouver, Colombie-Britannique, Canada, p. 1-10

Boyd A, Komar A, Xu G et Leone A (2018). « Tensile Strength for Evaluating Deterioration in Concrete », dans 5th International Conference on Road and Rail Infrastructure, Zadar, Croatie, p. 111-117

Komar A et Boyd A (2017). « Evaluating freeze-thaw deterioration with tensile strength », dans 2nd International Conference on Civil Engineering and Materials Science, Séoul, Corée du Sud, p. 1-6

Soleimani SM, Komar A et Boyd A (2017). « Pressure-tension test for assessing fatigue in concrete », dans Nondestructive Characterization and Monitoring of Advanced Materials, Aerospace, and Civil Infrastructure 2017, SPIE, Portland, Oregon, États-Unis, p. 1-7

Charron JP, Desmettre C et Cantin Bellemare E (2018). « Precast UHPFRC deck of the Isabey- Darnley pedestrian bridge », dans SSMB 2018, Québec, Québec, Canada

Charron JP et Desmettre C (2018). « UHPFRC Precast slabs and field-cast joints of the Isabey- Darnley pedestrian bridge », dans Fibre Reinforced Concrete: from Design to Structural Applications Joint ACI-fib-RILEM International Workshop - FRC2018, Desenzano, Italie

Verger-Leboeuf S, Charron JP, Lachance F et Massicotte B (2017). « New systems of precast bridge decks made with ultra-high performances fiber reinforced concretes », dans UHPFRC 2017 Designing and Building with UHPFRC: New large- scale implementations, recent technical advances, experience and standards, Montpellier, France, p. 645-654

Doyon-Braband J et Charron JP (2018). « Influence de orientation et de la densité des fibres sur les comportements en traction, flexion et cisaillement de bétons renforcés de fibres », dans International Conference RF2B, Anglet, France

Charron JP et Cantin-Bellemare E (2017). « Reconstruction de la passerelle Isabey-Darnley avec des dalles préfabriquées en BFUP », dans International Conference RF2B, Québec, Québec, Canada

Charron JP et Cantin-Bellemare E (2017). « Reconstruction de la passerelle Isabey-Darnley avec des dalles préfabriquées en BFUP », dans 22e colloque des ponts sur la progression de la recherche québécoise sur les ouvrages d'art, Québec, Québec, Canada

Desmettre C, Charron JP et Plagué T (2017). « Influence du type de fibres et de leur orientation sur la fissuration et la perméabilité à l'eau du béton armé sollicité en traction », dans International Conference RF2B, Québec, Québec, Canada

Medfouni I, Kodjo AS et Rivard P (2018). « Corrosion state of rockbolts assessed with energy of back echo and trailing wall echo », dans 45th Annual Review of Progress in Quantitative Nondestructive Evaluation, Burlington, Vermont, États-Unis

Rullière A, Rivard P, Peyras L et Breul P (2018). « Rock joints submitted to direct shear tests under low normal stress: evaluation of apparent cohesion values and key parameters », dans GeoEdmonton 2018, Edmonton, Alberta, Canada

Shams G et Rivard P (2018). « Optimizing the DEM calibration process by applying a series of empirical equations », dans 52nd US Rock Mechanics/Geomechanics Symposium (ARMA), Seattle, Washington, États-Unis, American Rock Mechanics Association, p. 1-13

Nabasse Koupouli JF, Belem T et Rivard P (2017). « Shear strength between cemented paste backfill and natural rock surface replicas », dans 1st International Conference on Underground Mining Technology, Sudbury, Ontario, Canada, p. 375-385

Rullière A, Nicolas A, Peyras L, Rivard P, Breul P et al. (2017). « Évaluation de la cohésion apparente d'une discontinuité rocheuse non liée soumise au cisaillement », dans 35e RUGC, Nantes, France

Wilson W, Sorelli L et Tagnit-Hamou A (2017). « Chemo-mechanical properties of cement matrices with fly ash and slag », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

Soliman N et Tagnit-Hamou A (2017). « Sustainable Ultra-High-Performance Glass Concrete for Infrastructures », dans The Ninth International Structural Engineering and Construction Conference (ISEC-9), on "Resilient Structures and Sustainable Construction", Valencia, Espagne

Ahmat Hisseine O, Basic N, Omran A et Tagnit-Hamou A (2017). « Effect of cellulose filaments on the properties of self-consolidating concrete », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

Boulos L, Foruzanmehr M, Tagnit-Hamou A, Elkoun S et Robert M (2017). « The effect of using zirconia on the wettability and the moisture absorption of flax fibres », dans The Fifth International Conference on Durability of Fiber Reinforced Polymer (FRP) Composites for Construction and Rehabilitation of Structures, Sherbrook, Québec, Canada

Soliman N, Omran A et Tagnit-Hamou A (2017). « Comparison between UHPC and UHPGC-rheological, mechanical and durability properties », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

Zidol A, Morin R, Chami AG et Tagnit-Hamou A (2017). « Comparative study on in-situ and laboratory curing conditions on properties of concrete incorporating glass powder », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

Ahmat Hisseine O et Tagnit-Hamou A (2017). « Filaments de cellulose pour des bétons à haute performance », dans ACI –Québec Séminaire Progrès dans le domaine du béton 2017, Montréal, Québec, Canada

Hosseinpour M, Khayat KH et Yahia A (2017). « Numerical simulation of dynamic segregation of SCC in restricted and non-restricted flow conditions », dans The Concrete Convention and Exposition, American Concrete Institute (ACI) Convention Spring 2017, Détroit, Michigan, États-Unis

Ben Ftima M, Léger P et Boussaha F (2017). « Nonlinear finite elements for the assessment of hydraulic concrete structures affected by alkali- aggregate reaction: a case study », dans Dam Swelling Concrete (DSC 2017), Chambéry, France, p. 176-187

Jolicoeur O, Massicotte B, Ben Ftima M et Lagier F (2017). « Effectiveness of UHPFRC cover for the seismic strengthening of deficient bridge piers », dans IABSE Symposium Vancouver 2017: Engineering the Future, Vancouver, Colombie- Britannique, Canada, p. 2715-2722

Rodrigue A, Duchesne J, Fournier B et Bissonnette B (2017). « Mitigation of microcracking in alkali- activated combined slag and fly ash concretes for good performance in winter conditions », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada, American Concrete Institute (ACI), p. 1-13

Bissonnette B, Garbacz B, Courard L, Modjabi- Sangnier F et Vaysburd AM (2017). « Quantitative approaches to the concrete repair compatibility », dans 28th Conference on Structural Failures 2017, Szczecin, Pologne, p. 857-866

Courard L, Bissonnette B et Garbacz A (2017). « Specification guidelines for surface preparation of concrete prior to repair », dans Proceedings of the 2017 fib Symposium, High Tech Concrete: Where technology and engineering meet, Maastricht, Pays- Bas, Springer, p. 140-147

Bouchard D, Sorelli L, Conciatori D et Dobrusky S (2018). « Comparison of different methods of inverse analysis to assess the tensile law of UHPFRC from four points bending tests », dans *Fibre Reinforced Concrete: from Design to Structural Applications Joint ACI-fib-RILEM International Workshop - FRC2018*, Desenzano, Italie

Turgeon-Mallette V, Sorelli L, Conciatori D, Durand V et Réthoré J (2018). « Code Predictions of the Micro-cracks Opening for Ultra High Performance Fiber Reinforced Concrete », dans *Fibre Reinforced Concrete: from Design to Structural Applications Joint ACI-fib-RILEM International Workshop - FRC2018*, Desenzano, Italie

Cidreira Kesperle G et Conciatori D (2018). « Assessment of real structure exposure on winter conditions », dans *World Road Association AIPCR, XVth International Winter Road Congress*, Gdańsk, Pologne, p. 1-9

Provete Vincler J, Conciatori D, Sorelli L et Corvez D (2017). « Accelerated chloride migration tests of UHPFRC », dans *UHPFRC 2017 Designing and Building with UHPFRC: New large-scale implementations, recent technical advances, experience and standards*, Montpellier, France, RILEM Publications SARL, p. 261-270

Cidreira Kesperle G et Conciatori D (2018). « Dégradation des structures en condition hivernale et ses limitations », dans *25e colloque sur la progression de la recherche québécoise sur les ouvrages d'art*, Québec, Québec, Canada

Fily Paré I, Fournier B, Duchesne J et Tagnit-Hamou A (2017). « Effect of glass powder (GP) on the pore solution of binary cement pastes », dans *10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017)*, Montréal, Québec, Canada

Fournier B, Rodrigues A et Duchesne J (2017). « Récents développements dans la recherche et les spécifications sur les granulats à béton incorporant des sulfures de fer », dans *18e Journées scientifiques du (RF)2B*, Québec, Québec, Canada

Fecteau PL, Fournier B, Duchesne J et Choquette M (2017). « Use of micro-XRF for the identification and mapping of alkali-aggregate reaction products », dans *The 16th Euroseminar on Microscopy Applied to Building Materials (EMABM 2017)*, Les Diablerets, Suisse

Duchesne J, Fournier B, Rodrigues A, Durand B, Rivard P et Shehata MH (2017). « Aggregate selection to improve durability of concrete exposed to severe environmental conditions », dans *1st International Conference on Construction Materials for Sustainable Future*, Zadar, Croatie, University of Zagreb, Faculty of Civil Engineering, p. 360-366

Fournier B, Lindgard J, Wigum BJ et Borchers I (2018). « Outdoor exposure site testing for preventing Alkali-Aggregate Reactivity in concrete – a review », dans *5th International Conference on Concrete Repair, Rehabilitation and Retrofitting (ICRRR 2018)*, Cape Town, Afrique du sud

Lindgard J, Lindgard O, Fournier B, Danner T, Ostnor T, Plusquellec G et De Weerd K (2018). « Determining alkali leaching during accelerated ASR performance testing and in field exposed cubes using cold water extraction (CWE) and  $\mu$ XRF », dans *5th International*

Conference on Concrete Repair, Rehabilitation and Retrofitting (ICRRR 2018), Cape Town, Afrique du sud

Fournier B, Bilodeau A, Bouzoubaa N et Nkinamubanzi PC (2018). « Field and Laboratory Investigations on the Use of Fly Ash and Li-Based Admixtures to Prevent ASR in Concrete », dans Sixth International Conference on the Durability of Concrete Structures (ICDCS 2018), Leeds, Angleterre, Whittles Publishing

Duchesne J, Francoeur J et Fournier B (2018). « Study of the Deterioration of Concrete Incorporating Sulfide-Bearing Aggregates », dans Sixth International Conference on the Durability of Concrete Structures, Leeds, Angleterre, Whittles Publishing

Basso-Trujillo P et Jolin M (2018). « Encapsulation quality of reinforcement: From laboratory tests to structural design guidelines », dans 8th International Symposium on Sprayed Concrete, Tondheim, Norvège, p. 1-15

Gagnon A et Jolin M (2018). « A New Approach for Fibre Reinforced Shotcrete Under Dynamic Loading », dans 8th International Symposium on Sprayed Concrete, Tondheim, Norvège

Basso-Trujillo P, Jolin M, Massicotte B et Bissonnette B (2017). « Impact of defects on the bond strength of one reinforcing bar », dans Proceedings of the 18th annual scientific congress of the (RF)2B (18e Journées scientifiques du (RF)2B), Québec, Québec, Canada, p. 1-9

Gagnon A et Jolin M (2017). « Specifying and testing fibre reinforced shotcrete: Advances and challenges », dans Proceedings of the Shotcrete for Underground Support XIII, Irsee, Allemagne

Duhamel-Labrecque Y, Sorelli L, Réthoré J et Baby F (2017). « Identification of the tensile law of UHPFRC materials from bending tests by means of digital image correlation », dans UHPFRC 2017 Designing and Building with UHPFRC: New large- scale implementations, recent technical advances, experience and standards, Montpellier, France, RILEM Publications, p. 231-241

Fafard M, Guillot M, Annan CD et Sorelli L (2018). « L'utilisation structurale de l'aluminium dans les ponts: l'état de la recherche au Québec », dans L'ingénieur civil canadien, Société canadienne de génie civil, p. 26-28

Wilson V, Labattaglia A, Tagnit-Hamou A et Sorelli L (2018). « Will Blended-Cement Systems with Similar ASTM C1202 Chloride Penetration Potentials Resist Similarly to Corrosion? », dans Sixth International Conference on the Durability of Concrete Structures, Leeds, Angleterre

Wilson W, Ousmane Issoufou H, Sorelli L et Tagnit-Hamou A (2018). « Macro-to-nano approach for tailoring the mechanical properties of cement pastes with nanocellulose filaments », dans Sixth International Symposium on Nanotechnology in Construction (NICOM6), Hong-Kong



Wilson W, Ousmane Issoufou H, Sorelli L et Tagnit- Hamou A (2018). « Coupled Nano-Indentation to Quantitative Energy-Dispersive Spectroscopy (NI- QEDS): A powerful tool to investigate the effect of nanomaterials on complex cement paste microstructure », dans Sixth International Symposium on Nanotechnology in Construction (NICOM6), Hong-Kong

Wilson W, Ousmane Issoufou H, Sorelli L et Tagnit- Hamou A (2018). « Coupling NanoIndentation and Quantitative Energy-Dispersive Spectroscopy (NI- QEDS) to characterize the influence of nanomaterials on cement paste microstructures Technical session on “Analytical Techniques Bringing the Nanoscale to the Bigger World” », dans The ACI Concrete Convention and Exposition, Las Vegas, Nevada, États-Unis

Cusatis G, Pathirage M, Di Luzio G, Masoero E, Sorelli L et al. (2018). « A multiscale framework for the prediction of concrete hygral, thermal and mechanical properties », dans EURO-C 2018: Computational modelling of concrete and concrete structures, Bad Hofgastein, Autriche

Wilson W, Sorelli L, Chen Z, Bishnoi S et Tagnit- Hamou A (2017). « Chemo-mechanical Characterization of the Microstructure of a Lime Calcinated Clay Ciment by quantitative SEM-EDS and statistical nanoindentation », dans 2nd International Conference on Calcined Clays for Sustainable Concrete, La Havane, Cuba

Duc Pham T, Sorelli L, Fafard M et Grassl P (2017). « Modeling Nonlinear Creep of Steel Fiber Reinforced Concrete by Means of Hydro-mechanical Couplings », dans 6th Biot Conference, Paris, France

Duhamel-Labrecque Y, Sorelli L, Réthoré J, Baby F, Toutlemonde F et Bernardi S (2017). « Identification of the tensile law of UHPFRC materials from bending tests by means of digital image correlation », dans UHPFRC 2017 Designing and Building with UHPFRC: New large-scale implementations, recent technical advances, experience and standards, Montpellier, France, RILEM Publications, p. 231-241

Moretti G, Bernier-Lavigne S, Sorelli L, Conciatori D, Doiron G et al. (2017). « Eternal Footbridge In Quebec: Harmony between Design, Technology and Landscape », dans UHPFRC 2017 Designing and Building with UHPFRC: New large-scale implementations, recent technical advances, experience and standards, Montpellier, France

Hane I, Belem T, Benzaazoua M et Maqsoud A (2017). « Laboratory investigation into the compressive strength of cemented paste tailings aggregate fills », dans Underground Mining and Technology 2017, Sudbury, Ontario, Canada

El Ghali A, Benzaazoua M, Bussière B, Schaumann D, Genty T et al. (2017). « Investigation of the role of hardpans on the geochemical behavior of the Joutel mine tailings », dans Tailings and Mine Waste 2017, Banff, Alberta, Canada

Bernarchid Y, Taha Y, Argane R et Benzaazoua M (2017). « Recycling low-sulfide mining waste-rocks in the construction sector: Using Quebec (Canada) valorization/recycling

guidelines », dans 10th ACI/RILEM International Conference on Cementitious Materials and alternative Binders for Sustainable Concrete (ICCM 2017), Montréal, Québec, Canada

Edahbi M, Plante B, Benzaazoua M, Kormos L et Pelletier M (2017). « Mineralogical characterization and geochemical behavior of rare earth elements from a carbonatite deposit », dans Process Mineralogy 2017, Cape-Town, South Africa

Chopard A, Marion P, Mermillod-Blondin R, Plante B et Benzaazoua M (2017). « Environmental impact of mine exploitation: an early predictive methodology based on ore mineralogy and contaminant speciation », dans Process Mineralogy 2017, Cape-Town, South Africa

Hakkou R, Moukannaa S, Argane R et Benzaazoua M (2017). « Potential reuse of phosphate sludges as a raw material for building materials using geopolymerization », dans 4th International Symposium on Innovation and Technology in the Phosphate Industry SYMPHOS 2017, Ben Guérir, Maroc

Argane R, Hakkou R et Benzaazoua M (2017). « Strength and workability of concretes manufactured with phosphate waste-rocks », dans 4th International Symposium on Innovation and Technology in the Phosphate Industry SYMPHOS 2017, Ben Guérir, Maroc

Vandenpaer L, Panos E, Bauer C et Ben Amor M (2018). « The search for environmentally optimal energy systems, combining energy system models and consequential life cycle assessments: a case study for Switzerland », dans LCA XVIII conference, Fort Collins, Colorado, États-Unis

Vandenpaer L, Bauer C, Treyer K, Mutel C et Ben Amor M (2018). « Electricity Supply in Consequential LCA: Examination of Modeling Choices for long-term Marginal Mixes and their Integration in the ecoinvent database v3.4 », dans LCA XVIII conference, Fort Collins, Colorado, États-Unis

Bauer C et Ben Amor M (2018). « LCA of Mobility – Novel Concepts, Methods and Applications », dans LCA XVIII conference, Fort Collins, Colorado, États-Unis

Bauer C et Ben Amor M (2018). « Emerging, Disruptive and Converging Technologies: Methodological challenges and Modelling opportunities », dans LCA XVIII conference, Fort Collins, Colorado, États-Unis

Vandenpaer L, Panos E, Bauer C et Ben Amor M (2017). « Linking the Swiss Times Energy System model to consequential life cycle assessment, the case of stationary batteries and their consequences in the Swiss energy system », dans 23rd SETAC Europe LCA Case Study Symposium is Life Cycle Assessment for Decision Support, Barcelone, Espagne

Vandenpaer L, Treyer K, Mutel C, Bauer C et Ben Amor M (2017). « Marginal electricity supply mixes and their integration in version 3.4 of the ecoinvent database », dans 23rd SETAC Europe LCA Case Study Symposium is Life Cycle Assessment for Decision Support, Barcelone, Espagne

Heidari D, Blanchet P et Ben Amor M (2017). « Analyzing the Performance of Streamlining LCA Approaches for Innovative Bio-Based Material in Construction », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

Pedinotti-Castelle M, Astudillo MF, Vaillancourt K, Pineau PO et Ben Amor M (2017). « Challenging energy consumption in residential sector in Quebec using consequential life cycle assessment », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

Deschamps J, Tagnit-Hamou A et Ben Amor M (2017). « How Circular Economy Can Benefit To The Concrete's Sector Environmental Impacts: The Case Of Recycled Glass Powder », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

AzariJafari H, Yahia A et Ben Amor M (2017). « Let's be more precise on infrastructure decision-making: Developing a dynamic consequential LCA model for pavements », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

Vandenpaer L, Cloutier J, Bauer C et Ben Amor M (2017). « Battery Changes - Environmental Assessment Of Stationary Batteries And Their Consequences In Energy Systems, A Case Study For Switzerland », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

Lessard JM, Cloutier J, Tagnit-Hamou A et Ben Amor M (2017). « Environmental Benefits of Using Glass Powder in Manhole Production », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

Astudillo MF, Vaillancourt K, Pineau PO et Ben Amor M (2017). « Can the household sector reduce global warming mitigation costs? », dans LCA XVII conference, Portsmouth, New Hampshire, États-Unis

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