

# LMDC

## LISTE DES PUBLICATIONS ET AUTRES PRODUCTIONS 2008

### I. PUBLICATIONS

#### I.1 ARTICLES DANS DES REVUES INTERNATIONALES AVEC COMITE DE LECTURE

- ACL 1 **Auger J., Yssorche-Cubaynes M.-P., Lorente S., Demilecamps L., Cussigh F.**  
Ionic access through porous media with distributed electrodes  
*J. Applied Physics*, Vol 104, 084913, 2008
- ACL 2 **Bejan A., Lorente S.**  
Vascularized multi-functional materials and structures  
*Advanced Material Research*, Vol 47-50, pp 511-514, 2008
- ACL 3 **Bejan A., Lorente S., Lee J.**  
Unifying constructal theory of tree roots, canopies and forests  
*Journal of Theoretical Biology*, Volume 254, Issue 3, 7 October 2008, Pages 529-540
- ACL 4 **Breysse D., Klysz G., Dérobert X., Sirieix C., Lataste J.F.**  
How to combine several non-destructive techniques for a better assessment of concrete structures  
*Cement and Concrete Research*, Volume 38, Issue 6, June 2008, Pages 783-793
- ACL 5 **Camps G., Turatsinze A., Sellier A., Escadeillas G., Bourbon X.**  
Steel-fibre-reinforcement and hydration coupled effects on concrete tensile behaviour  
*Engineering Fracture Mechanics*, 75(2008), pages 5207-5216
- ACL 6 **Carles Gibergues A., Cyr M., Moisson M., Ringot E.**  
A simple way to mitigate alkali-silica reaction  
*Materials & Structures*, Volume 40, N°1, Pages 73-83, January 2008
- ACL 7 **Codina M., Cau-dit-Coumes C., Le Bescop P., Verdier J., Ollivier J.-P.**  
Design and characterization of low-heat and low-alkalinity cements  
*Cement and Concrete Research*, Volume 38, Issue 4, April 2008, Pages 437-448
- ACL 8 **Coutand M., Cyr M., Deydier E., Guillet R., Clastres P.**  
Characteristics of industrial and laboratory meat and bone meal ashes and their potential applications  
*Journal of Hazardous Materials*, Volume 150, Issue 3, 11 February 2008, Pages 522-532
- ACL 9 **Cyr M., Rivard P., Labrecque F., Dadié A.**  
High pressure device for fluid extraction from porous materials - Application to cement-based materials  
*Journal of the American Ceramic Society*, Volume 91, Issue 8, August 2008, Pages 2653-2658
- ACL 10 **Dérobert X., Iaquenta J., Klysz G., Balayssac J.-P.**  
Use of capacitive and GPR techniques for the non-destructive evaluation of cover concrete  
*NDT & E International*, Volume 41, Issue 1, January 2008, Pages 44-52

- ACL 11 **Grimal E., Sellier A., LePape Y., Bourdarot E.**  
Creep, Shrinkage, and Anisotropic Damage in Alkali-Aggregate Reaction Swelling Mechanism - Part I: A Constitutive Model  
*ACI Materials Journal*, Vol. 105, N° 3, May-June 2008, pp 227-235
- ACL 12 **Grimal E., Sellier A., LePape Y., Bourdarot E.**  
Creep, Shrinkage, and Anisotropic Damage in Alkali-Aggregate Reaction Swelling Mechanism- Part II: Identification of Model Parameters and Application  
*ACI Materials Journal* , Vol. 105, N° 3, May-June 2008, pp 236-242
- ACL 13 **Habert G., Choupay N., Montel J.M., Guillaume D., Escadeillas G.**  
Effects of the secondary minerals of the natural pozzolans on their pozzolanic activity  
*Cement and Concrete Research*, Volume 38, Issue 7, July 2008, Pages 963-975
- ACL 14 **Ismail M., Toumi A., François R., Gagné R.**  
Effect of crack opening on local diffusion of chloride in cracked mortar samples  
*Cement and Concrete Research*, Vol. 38/8-9 pp 1106-1111, 2008
- ACL 15 **Kim S., Lorente S., Bejan A., Miller W., Morse J.**  
The emergence of vascular design in three dimensions  
*J. Applied Physics*, Vol 103(12), 123511
- ACL 16 **Klysz G., Balayssac J.-P., Ferrières X.**  
Evaluation of dielectric properties of concrete by a numerical FDTD model of a GPR coupled antenna - Parametric study  
*NDT & E International*, Volume 41, Issue 8, December 2008, Pages 621-631
- ACL 17 **Lee J., Kim S., Lorente S., Bejan A.**  
Vascularization with trees matched canopy to canopy: Diagonal channels with multiple sizes  
*International Journal of Heat and Mass Transfer*, Volume 51, Issues 7-8, April 2008, Pages 2029-2040
- ACL 18 **Mouret M., Escadeillas G., Bascoul A.**  
Metrological significance of the column test in the assessment of the static segregation of self-compacting concrete in the fresh state  
*Materials and structures*, Volume 41, Issue 4, May 2008, Pages 663-679
- ACL 19 **Multon S., Cyr M., Sellier A., Leklou N., Petit L.**  
Coupled effects of aggregate size and alkali content on ASR expansion  
*Cement and Concrete Research*, Vol. 38, Issue 3, March 2008, Pages 350-359
- ACL 20 **Sellier A., Bourdarot E., Multon S., Cyr M., Grimal E.**  
Combination of structural monitoring and laboratory tests for the assessment of AAR-swelling - Application to a gate structure dam  
*ACI Materials Journal*, Vol. 106, N° 3, May-June 2008, pp 281-290.
- ACL 21 **Tran Q.-T., Toumi A., Turatsinze A.**  
Thin bonded cement-based overlays: numerical analysis of factors influencing their debonding under monotonic loading  
*Materials and structures*, Volume 41, Issue 5, June 2008, Pages 863-877
- ACL 22 **Tran Q.-T., Toumi A., Turatsinze A.**  
Thin bonded cement-based overlays: numerical analysis of factors influencing their debonding under fatigue loading  
*Materials and structures*, Volume 41, Issue 5, June 2008, Pages 951-967

- ACL 23 **Turatsinze A., Garros M.**  
On the modulus of elasticity and strain capacity of self compacting concrete incorporating rubber aggregates  
*Resources, Conservation & Recycling Journal*, Vol. 52, N° 10, August 2008, pages 1209–1215
- ACL 24 **Viriyametanont K., Laurens S., Klysz G., Balayssac J.-P., Arliquie G.**  
Radar survey of concrete elements: Effect of concrete properties on propagation velocity and time zero  
*NDT & E International*, Volume 41, Issue 3, April 2008, Pages 198-207
- ACL 25 **Voinitchi D., Julien S., Lorente S.**  
The relation between electrokinetics and chloride transport through cement-based materials,  
*Cement and Concrete Composites*, Vol.30, Issue 3, March 2008, Pages 157-166
- ACL 26 **Wardeh G., Perrin B.**  
Freezing-thawing phenomena in fired clay materials and consequences on their durability  
*Construction and Building Materials*, Volume 22, Issue 5, May 2008, Pages 820-828
- ACL 27 **Wardeh G., Perrin B.**  
Numerical modelling of the behaviour of consolidated porous media exposed to frost action  
*Construction and Building Materials*, Volume 22, Issue 4, April 2008, Pages 600-608

## I.2 ARTICLES DANS DES REVUES AVEC COMITE DE LECTURE NON REPERTORIEES

- ACLN 1 **Buffo-Lacarrière L.**  
Application structurale d'un modèle THCM pour le béton au jeune âge.  
*European Journal of Environmental and Civil Engineering*, Vol. 12, n°4, pp. 407-428
- ACLN 2 **Cassagnabère F., Mouret M., Escadeillas G., Broilliard P.**  
Effet du métakaolin flash sur les propriétés d'un béton filé pour la confection d'éléments préfabriqués  
*Annales du Bâtiment et des Travaux Publics*, n°3, 2008
- ACLN 3 **Coronelli D., Castel A., Vu N.-A., François R.**  
Deterioration of Prestressed Structures: Modelling of Corrosion Phenomena and Structural Effects  
*Studies and Researches*, Vol. 28, Issue 8, Pages 39-78, Dec 2008
- ACLN 4 **Elmir M., Mhedaoui R., Castel A., Hamouine A., François R.**  
Vibratory Analysis of a Composite Beam (Reinforced Concrete) Subject to the Corrosion  
*International Review of Mechanical Engineering (IReMe)*, n°1, pp.91-96, Jan 2009
- ACLN 5 **Ho A.-C., Turatsinze A., Vu D.-C.**  
The properties of rubberized concrete and its application for concrete large area  
*Bridge and Highway Magazine*, n°10 2008, pp 17-27
- ACLN 6 **Nguyen X.-S., Duprat F., Sellier A., Pons G.**  
Méthode du gradient projeté avec contrôle d'erreur : une méthode simple et efficace en fiabilité des structures  
*Revue Européenne de Mécanique Numérique*, Volume 17, Pages 1039-1056

### I.3 CONFERENCES INVITEES

- INV 1 **Balayssac J.-P., Laurens S., Arliguie G., Fortuné I.**  
SENSO: a french project for the evaluation of concrete structures by combining non destructive methods  
*Sacomatis RILEM conference, Varennna, Italy, 1-2/9/2008*
- INV 2 **Bertron A., Duchesne J.**  
A review on the degradation of cementitious materials by organic acids in agricultural effluents  
*CIGR International Conference of Agricultural Engineering, VIth International Symposium on Cement Based Materials for a Sustainable Agriculture - CSA'2008, Brazil, Foz De Iguazu, August 31 to September 4, 2008*
- INV 3 **Buffo-Laccarière L., Sellier A., Escadeillas G., Turatsinze A.**  
Prévision numérique de la fissuration précoce des ouvrages en béton  
*9èmes Journées scientifiques du (RF)<sup>2</sup>B, Ecole Polytechnique Fédérale de Lausanne, Lausanne (Suisse), 28-30 août 2008*
- INV 4 **Escadeillas G., Cassagnabère F., Magniont C., Tafraoui A.**  
Les matériaux argileux calcinés dans les matériaux à matrices cimentaires sont-ils aujourd'hui des matériaux d'avenir après avoir été des matériaux du passé ?  
*9èmes Journées scientifiques du (RF)2B, Ecole Polytechnique Fédérale de Lausanne, Lausanne (Suisse), 28-30 août 2008*
- INV 5 **Lorente S.**  
Vascularized materials as designed porous media  
*Seminar Lawrence Livermore National Laboratory, USA, 10-11mars 2008*
- INV 6 **Lorente S.**  
Decontamination of nuclear waste areas: constructal placement of electrodes  
*NATO Advanced Research Workshop - Constructal Human Dynamics, Security and Sustainability, Evora (Portugal), 20-23 mai 2008*
- INV 7 **Lorente S.**  
Tree-shaped networks for distribution collection and cooling  
*Seminar Lawrence Livermore National Laboratory, USA, 10-11mars 2008*
- INV 8 **Lorente S.**  
Design with constructal theory: vascularized and distributed energy systems  
*6th Int conf on Heat Transfer, Fluid Mechanics and Thermodynamics , Pretoria, Afrique du Sud, 30 juin-2 juillet 2008*
- INV 9 **Lorente S.**  
Vascular and distributed energy systems  
*Int. Workshop Shape and Thermodynamics, Florence, Italie, 25-26 sept. 2008*
- INV 10 **Lorente S., Auger J.**  
Constructal transport through porous media  
*Seminar Lawrence Livermore National Laboratory, USA, 10-11mars 2008*
- INV 11 **Lorente S., Bejan A.**  
Vascular Structures for Cooling with Grids and Radial Channels  
*10th Electronics Packaging Technology Conference, Singapour, 9-12 December 2008*

- INV 12 **Nicot P., Balayssac J.-P., Détriché C.-H., Ruot B., Devès O.**  
 Interface characterization between substrate and polymer-modified mortars, devices and results  
*CEReM General Meeting, 03-04 Avril 2008, Paris*
- INV 13 **Ringot E.**  
 Esthétique et Durabilité : derniers développements de protection et de décoration des matériaux de construction  
*9èmes Journées scientifiques du (RF)2B, Ecole Polytechnique Fédérale de Lausanne, Lausanne (Suisse), 28-30 août 2008*
- INV 14 **Vidal T.**  
 Les approches scientifiques du BAP  
*Journée technique sur les BAP - Les apports du Projet National de R&D - Salon Professionnel du B.T.P. - Parc des Expositions – Toulouse, mars-08*

#### I.4 COMMUNICATIONS AVEC ACTES DANS UN CONGRES INTERNATIONAL

- ACTI 1 **Amба J.-C., Balayssac J.-P., Détriché C.-H., Rimlinger, Curt**  
 Characterization of shrinkage gradients in a layer of cementitious material applied on a substrate  
*Concreep 8: 8<sup>th</sup> International Conference on Creep, Shrinkage and Durability of Concrete and Concrete Structures, 30 September - 2 October 2008, Ise-Shima, Japan*
- ACTI 2 **Bejan A., Lorente S.**  
 Engineering design with constructal theory  
*7<sup>th</sup> annual ASEE Global Colloquium, Cape Town (Afrique du Sud), 19-23 October 2008*
- ACTI 3 **Bejan A., Lorente S.**  
 Vascularized multi-functional materials and structures  
*Int. Conf. on multifunctional materials and structures, Hong Kong (Chine), 28-31 July 2008*
- ACTI 4 **Camps G., Turatsinze A., Sellier A., Escadeillas G., Bourbon X.**  
 Modeling of mechanical behaviour of steel fibre-reinforced concrete in a chemical evolution context  
*3<sup>rd</sup> Int. Conf. on coupled T-H-M-C processes in geo-systems, Lille (France), June 2-6, 2008*
- ACTI 5 **Deby F., Carcassès M., Sellier A.**  
 A new way for durability design of reinforced concrete in marine environment by probabilistic approach  
*1<sup>st</sup> Int Conf. on Construction Heritage in Coastal and Marine Environment, MEDACHS, Lisbonne, Portugal, 28-30 janvier 2008*
- ACTI 6 **Deby F., Carcassès M., Sellier A.**  
 The probabilistic method: an efficient tool to take into account the parameters variability of modeling for durability design process  
*3<sup>rd</sup> International Conference on coupled T-H-M-C processes in geo-systems, Lille (France), June 2-6, 2008*
- ACTI 7 **Domède N., Sellier A.**  
 Assessment method of masonry arch bridges  
*12<sup>th</sup> Int. Conf. Structural Faults & Repair – 2008, 10-12 juin 2008 Edimbourg*
- ACTI 8 **Fernandez L., Bonneauaud F., Lorente S.**  
 Environmental quality of materials: software tools of pertaining to architectural quality  
*PLEA 2008, 25th Conference on Passive and Low Energy Architecture, Dublin (Irlande), 22-24 October 2008*

- ACTI 9 **Gonzalez F., Fajardo G., Arliquie G., Juarez C., Escadeillas G.**  
 Realcalinizacion electroquimica de concreto reforzado parcialmente carbonatado utilizando electrolitos de  $K_2CO_3$  y  $Na_2CO_3$   
*VII NACE Mexican Section Corrosion Congress in XVII International Materials Research Congress, Cancun (Mexique), 17-21 Agosto 2008*
- ACTI 10 **Grimal E., Sellier A., Multon S., Le Pape Y., Bourdarot E.**  
 Concrete modeling for expertise of structures affected by alkali aggregate reaction  
*13<sup>th</sup> Int. Conf. on Alkali Aggregate Reaction, Trondheim (Norvège), juin-08*
- ACTI 11 **Ho A.-C., Turatsinze A., Vu D.-C.**  
 On the potential of rubber aggregates obtained by grinding end-of-life tyres to improve the strain capacity of concrete  
*Int. Conf. on Concrete Repair, Rehabilitation and Retrofitting (ICCR2008), Cape Town (South Africa), 24 - 26 November 2008*
- ACTI 12 **Kim S., Lorente S., Bejan A.**  
 Design with constructal theory: vascularized composites for volumetric cooling  
*ASME, Boston, USA, 31octobre-6novembre 2008*
- ACTI 13 **Kreit A., Al-Mahmoud F., Castel A., François R.**  
 Corroded RC beam repaired with near-surface mounted CFRP rods  
*Int. Conf. on Concrete Repair, Rehabilitation and Retrofitting (ICCR2008), Cape Town (South Africa), 24 - 26 November 2008*
- ACTI 14 **Magniont C., Escadeillas G., Oms-Multon C., De Caro P.**  
 Effects of incorporation of glycerol carbonate and flax into a pozzolanic matrix  
*Orgagec'08, Paris (France), 27-29 August 2008*
- ACTI 15 **Magniont C., Escadeillas G., Oms-Multon C., De Caro P., Bertron A.**  
 Development of an eco-friendly building material using agroresources  
*CIGR – Int. Conf. of Agricultural Engineering, Iguazu (Brésil), 31 August-4 September 08*
- ACTI 16 **Multon S., Cyr M., Sellier A., Diederich P., Petit L.**  
 Effect of aggregate size and alkali content on ASR expansion  
*13<sup>th</sup> Int. Conf. on Alkali Aggregate Reaction, Trondheim (Norvège), juin-08*
- ACTI 17 **Nguyen T.-B., Husson B.**  
 Toward an approach of the development of a compliance test  
*International Symposium on Sediments Management (I2SM), Lille, July 9-11th, 2008*
- ACTI 18 **Nguyen T.-S., Lorente S., Carcassès M.**  
 Chloride diffusion through CEM-I and CEM-V mortars: influence of the temperature  
*1<sup>st</sup> Int Conf. on cosntruction Heritage in Coastal and Marine Environment, MEDACHS, Lisbonne (Portugal), 28-30 January 2008*
- ACTI 19 **Perrin B., Wardeh G.**  
 Strains of fired clays submitted to freezing and thawing cycles: Identification of liquid pressure developed in the pore volume.  
*CrysPoM, Mai 22-23, 2008, Institut Navier, France, Institut Navier, 22-23 mai 2008*
- ACTI 20 **Sellier A., Bourdarot E., Multon S., Cyr M., Grimal E.**  
 Assessment of the residual expansion for expertise of structures affected by AAR  
*13<sup>th</sup> Int. Conf. on Alkali Aggregate Reaction, Trondheim (Norvège), juin-08*

- ACTI 21 **Wardeh G., Perrin B.**  
Numerical modelling of the behaviour of consolidated porous media submitted to frost action  
*CrysPoM, Mai 22-23, 2008, Institut Navier, France, Institut Navier, 22-23 mai 2008*

## I.5 COMMUNICATIONS AVEC ACTES DANS UN CONGRES NATIONAL

- ACTN 1 **Ayed K., Vidal T., Pons G., Benaissa A.**  
Influence du type d'additions minérales sur les déformations différées des BAP  
*Colloque National sur les Variations Dimensionnelles des Géomatériaux, Saint-Nazaire (France), 3 et 4 avril 2008*
- ACTN 2 **Balayssac J.-P., Laurens S., Arliguie G.**  
Evaluation de l'état des ouvrages en béton par combinaison de techniques non destructives  
*Journées COFREND, 20-23 mai 2008, Toulouse*
- ACTN 3 **Deby F., Carcassès M., Sellier A.**  
Dimensionnement probabiliste de la durabilité des bétons en environnement marin  
*JNFIAB, Nantes, 26-28 mars 2008*
- ACTN 4 **Duprat F., Sellier A., Nguyen X.-S.**  
L'algorithme du gradient projeté avec contrôle d'erreur pour la fiabilité structurale  
*Journées Nationales de Fiabilité des Matériaux et des Structures - JNFIAB'08, 26-28 mars 2008, Nantes*
- ACTN 5 **Hyvert N., Sellier A., Duprat F., Rougeau P., Francisco P.**  
Mieux appréhender la durabilité des bétons par l'approche probabiliste  
*Journées Nationales de la fiabilité, JNFIAB, Nantes, 26-28 mars 2008*
- ACTN 6 **Leklou N., Aubert J.-E., Escadeillas G.**  
Corrélation entre variations dimensionnelles d'éprouvettes de mortiers et de bétons atteintes de réaction sulfatique interne et évolution de la fissuration par observations microscopiques  
*Colloque National sur les Variations Dimensionnelles des Géomatériaux, Saint-Nazaire (France), 3 et 4 avril 2008*
- ACTN 7 **Pauletti C., Ollivier J.-P., Verdier J., Dal Molin D.-C.-C., Kasmerczack C.-S.**  
Utilização de modelo de carbonatação para simulação do fenômeno em condições aceleradas e com comparação com dados de ensaios experimentais  
*XII Encontro Nacional de Tecnologia do Ambiente Construído, 2008, Fortaleza (Brasil)*

## I.6 COMMUNICATIONS ORALES SANS ACTES DANS UN CONGRES INTERNATIONAL OU NATIONAL

- COM 1 **Coutand M.**  
Une voie de valorisation innovante pour les cendres de farines animales  
*26èmes Rencontres Universitaires de Génie Civil - AUGC 2008 - Prix jeune chercheur, Juin 2008, Nancy*
- COM 2 **Deby F.**  
Approche probabiliste de la durabilité des bétons en environnement marin  
*26èmes Rencontres Universitaires de Génie Civil - AUGC 2008 - Prix jeune chercheur, Juin 2008, Nancy*

- COM 3 **François R., Castel A., Zhang R.**  
 Comportement mécanique en service et à rupture d'éléments en béton armé dégradés par corrosion naturelle pendant 25 ans  
*Assemblée générale APPLET, Juin 2008, PARIS*
- COM 4 **Ho A.-C., Turatsinze A., Vu D.-C.**  
 Properties of rubberized concretes and application for concrete large area  
*Institute of Transport Science and Technology (ITST), Hanoï (Viet Nam), July 31, 2008*
- COM 5 **Hyvert N., Sellier A., Duprat F., Rougeau P., Francisco P.**  
 Intérêt de l'approche probabiliste pour l'optimisation de la durabilité des produits en béton  
*26èmes Rencontres Universitaires de Génie Civil - AUGC 2008, Juin 2008, Nancy*
- COM 6 **Ringot E.**  
 "Aesthetics & Protection of Buildings Materials - Latest developments in the technology of surface protection for building materials"  
*Protect'It, Février 2008, Dublin (Ireland)*
- COM 7 **Ringot E.**  
 "Aesthetics & Protection of Buildings Materials - Latest developments in the technology of surface protection for building materials"  
*Byp Clean, Mars 2008, Curritiba (Brasil)*
- COM 8 **Ringot E.**  
 "Aesthetics & Protection of Buildings Materials - Latest developments in the technology of surface protection for building materials"  
*All Remove, Avril 2008, Copenhagen (Danmark)*
- COM 9 **Ringot E.**  
 "Aesthetics & Protection of Buildings Materials - Latest developments in the technology of surface protection for building materials"  
*Guard Industrie, Septembre 2008, Montreuil (France)*
- COM 10 **Ringot E.**  
 "Workshop Protecting & colouring building materials Products and services", Octobre 2008, Athens (Greece)
- COM 11 **Ringot E.**  
 "Aesthetics & Protection of Buildings Materials - Latest developments in the technology of surface protection for building materials"  
*Safra, Octobre 2008, Verone (Italia)*
- COM 12 **Ringot E.**  
 "Aesthetics & Protection of Buildings Materials - Latest developments in the technology of surface protection for building materials"  
*ACE Tech Mombai, Novembre 2008, Mombai (India)*

## I.7 OUVRAGES SCIENTIFIQUES OU CHAPITRES D'OUVRAGES

- OS 1 **Baroghel-Bouny V., Capra B., Laurens S.**  
La durabilité des Bétons - Chapitre 9 : La durabilité des armatures et du béton d'enrobage – pp 303-386  
Presses de l'ENPC, ISBN 978-2-85978-434-8
- OS 2 **Corronelli D., Castel A., Vu N.-A., François R.**  
Deterioration of prestressed structures: modelling of corrosion phenomena and structural effects  
Editors: A. Migliacci, P. G. Gambarova, P. Ronca, Starrylink Editrice
- OS 3 **Escadeillas G., Hornain H.**  
La durabilité des Bétons - Chapitre 12 : La durabilité des bétons vis-à-vis des environnements chimiquement agressifs – pp 613-706  
Presses de l'ENPC, ISBN 978-2-85978-434-8
- OS 4 **Ollivier J.-P., Torrenti J.-M.**  
La durabilité des Bétons - Chapitre 3 : La structure poreuse des bétons et les propriétés de transfert - pp51-134  
Presses de l'ENPC, ISBN 978-2-85978-434-8
- OS 5 **Pons G., Torrenti J.-M.**  
La durabilité des Bétons - Chapitre 5 : Le retrait et le fluage – pp 167-216  
Presses de l'ENPC, ISBN 978-2-85978-434-8

## I.8 DIRECTION D'OUVRAGES

- DO 1 **Bejan A., Lorente S.**  
Design with Constructal Theory  
Wiley ISBN 978-0-471-99816-7
- DO 2 **Ollivier J.-P., Vichot A.**  
La durabilité des Bétons (Direction d'ouvrage)  
Presses de l'ENPC, ISBN 978-2-85978-434-8