

Wednesday - 19/09/2012			
8:00 - 9:20	Registration		
9:20 - 10:00	Opening Ceremony (Room A)		
10:00 - 10:40	Keynote Lecturer 1 (Room A) Marco di Prisco Chairman: Gyorgy Balazs		
10:40 - 11:00	Coffee Break		
11:00 - 13:00	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Session 1 (Room A) Mechanical Properties (1) Chairman: Alessandro Fantilli Co-Chairman: José Sena Cruz </td> <td style="width: 50%; vertical-align: top;"> Session 2 (Room B) Rheology Chairman: Barzin Mobasher Co-Chairman: Miguel Azenha </td> </tr> </table>	Session 1 (Room A) Mechanical Properties (1) Chairman: Alessandro Fantilli Co-Chairman: José Sena Cruz	Session 2 (Room B) Rheology Chairman: Barzin Mobasher Co-Chairman: Miguel Azenha
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19:30 - 20:00	WELCOME RECEPTION in the Alberto Sampaio Museum		

Thursday - 20/09/2012

9:00 - 11:00	Session 7 (Room A) Mechanical Properties (4) Chairman: Marco di Prisco Co-Chairman: Joaquim Barros	Session 8 (Room B) Long-term properties and durability (3) Chairman: Nemkumar Banthia Co-Chairman: Alva Peled
9:00 - 9:20	Direct shear strength of annealed-wire fibre concrete <i>E.A. Basoenondo, E. Tjahjono, I.C. Lukito</i>	Crack control in fibrous RC elements <i>G. Tiberti, F. Minelli, G.A. Plizzari</i>
9:20 - 9:40	Silica modified synthetic fiber for improving interface property in FRCC <i>Z. Yang, J. Liu, J. Liu, C. Li, H. Zhou</i>	Time dependant behaviour of SFRC elements under sustained loads <i>D. Nakov, G. Markovski</i>
9:40 - 10:00	Mechanical behaviour of wood fibre reinforced cementitious composites <i>L. Sierra-Beltran, E. Schlangen</i>	Influence of variation of microfibre types and filler on workability, mechanical characteristics and some durability properties of fibre reinforced high strength self-compacting concrete <i>M. Rezvani, S. Palecki, D.C. Lupascu</i>
10:00 - 10:20	Investigation on single fiber pullout and interfacial debonding mechanisms with acoustic emission techniques <i>G. Zhao, Els Verstrynge, M. di Prisco, L. Vandewalle</i>	Long-time creep testing of pre-cracked fibre reinforced concrete beams <i>T. Kanstad, G. Zirgulis</i>
10:20 - 10:40	Fatigue behavior of SFRC under bending <i>F. Germano, G.A. Plizzari</i>	Behavior under thermal shock of steel fiber reinforced refractory concrete <i>R.D.T. Filho, L.F.L. Rosa, J.D. Vieira, A.C.J. Evangelista, I.F. de Moraes, L.F. Santos, F. Medeiros</i>
10:40 - 11:00	Material properties of fibre reinforced UHPC <i>N. Randl, F. Däuber</i>	A comprehensive study on the effect of fibers and loading on flexural creep of SFRC <i>S. Arango, E.G. Taengua, J.R. Martí Vargas, P. Serna Ros</i>
11:00 - 11:20	Coffee Break	
11:20 - 13:00	Session 9 (Room A) Mechanical Properties (5) Chairman: Lucie Vandewalle Co-Chairman: Billy Boshoff	Session 10 (Room B) Analytical and numerical models (1) Chairman: Jean-Philippe Charron Co-Chairman: Marco di Prisco
11:20 - 11:40	Design and characterization of self-compacting fibre reinforced lightweight aggregate concrete <i>H. Costa, D. Esteves, E. Júlio, T. Simões</i>	Analysis of drying shrinkage on fibre reinforced concrete by the model B3 <i>M. Sahinagic-Isovic, T. Aranjelovski</i>
11:40 - 12:00	Fibre reinforced concrete using polyethylene strips <i>N.L. Holland, J.M. Nichols, A.B. Nichols</i>	Numerical tool for modelling steel fiber reinforced concrete <i>C. Molins, A. Pros, P. Díez</i>
12:00 - 12:20	Design of UHPFRC with enhanced ductility and flowability <i>E. Ghafari, H. Costa, E. Júlio</i>	Fibre reinforced self-compacting concrete flow simulations in comparison with L-Box experiments using Carpopol <i>O. Švec, J. Škoček, J.F. Olesen, H. Stang</i>
12:20 - 12:40	Pullout behavior of polyvinyl alcohol fiber from cementitious matrix during plastic state <i>J. Liu, C. Li, J. Liu, Z. Yang, G. Cui</i>	Flexural design of strain hardening cement composites <i>B. Mobasher, C. Barsby</i>
12:40 - 13:00	Reuse of steel fibres from scrap tires in FRC <i>G. Centonze, M. Leone, M.A. Aiello</i>	Predicting the flow-induced dispersion and orientation of steel fibers in self-consolidating concrete by distinct element method <i>L. Ferrara, S. Shyshko, V. Mechtcherine</i>
13:00 - 14:20	Lunch	
14:20 - 16:00	Session 11 (Room A) Mechanical Properties (6) Chairman: Viktor Mechtcherine Co-Chairman: Alessandro Fantilli	Session 12 (Room B) Analytical and numerical models (2) Chairman: Pierre Rossi Co-Chairman: Lucie Vandewalle
14:20 - 14:40	Hybrid cement-based composites: dynamic and static tensile behaviors <i>Z. Cohen, A. Peled, B. Mobasher, S. Janetzko, T. Gries</i>	Numerical modelling of the behaviour of SFRC elements in presence of multiple cracks <i>P. Bernardi, R. Cerioni, E. Michellini</i>
14:40 - 15:00	Fracture studies on concretes with hybrid steel fibers <i>M. Arall, O. Sengul, C. Tasdemir, M.A. Tasdemir</i>	Modelling of stress-strain behaviour of sisal fibre reinforced concrete using damage theory <i>P.R.L. Lima, R.D.T. Filho, J.M. Filho</i>
15:00 - 15:20	Fibre reinforced concrete entirely made from recycled construction waste, synthetic fibres, cement and water and its practical utilisation <i>J. Vodicka, V. Vytlačilova</i>	A design model for fibre reinforced concrete bending elements with longitudinal pre-stressed steel and FRP bars <i>M. Taheri, J.A.O. Barros, H. Salehian</i>
15:20 - 15:40	Methodology of measuring creep of concrete specimen reinforced with polymer fibres subjected to bending <i>J. Fládr, J. Vodička, J. Krátký</i>	A comparative study between experimental and numerical analyses of steel fibre reinforced self-compacting concrete structural behavior <i>S.S. Penna, P.C. Guetti, R.S. Pitangueira, G.O. Ribeiro, P. Serna</i>
15:40 - 16:00	Evaluation of concrete pipes reinforced with steel fibers <i>J.L. Akasaki, A.P. Fugii, J.L.P. Melges, R.M. Queiroz, T.F.S. Trentin, M.M. Tashima</i>	Steel-fibre-reinforced concrete beams under cyclic loads <i>A. Abbas, S. Syed Mohsin, D. Cotsovos</i>

16:00 - 16:20	Coffee Break	
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16:20 - 16:40	Fibres introduction in self-compacting concrete using Belém materials <i>F.F. Mendonça Filho, J.Z.R. Silva Junior</i>	The predictive performance of design models for the punching resistance of SFRC slabs in inner column loading conditions <i>B.N.M. Neto, J.A.O. Barros, G.S. Melo</i>
16:40 - 17:00	Effects of curing conditions on crack bridging response of PVA reinforced cementitious matrix <i>E. Esmaeeli, J. Barros, M. Mastali</i>	Non-linear finite element analysis of steel fibre reinforced beams with conventional reinforcement <i>D. Fall, R. Rempling, A. Jansson, K. Lundgren, K. Gylltoft</i>
17:00 - 17:20	Early age behaviour of self compacting concrete with polypropylene fibers and carbon nanofibers <i>J. Puentes, G. Barluenga, I. Palomar</i>	Numerical simulations of three-point bending tests: two distinct approaches <i>V.M.C.F. Cunha, J.A.O. Barros, J.M. Sena-Cruz</i>
17:20 - 17:40	Effect of high temperatures on steel fiber reinforced concrete with EAF slag aggregates <i>I. Papayianni, M. Papachristoforou</i>	An attempt to the determination of the partial safety factor for SFRC members subjected to bending forces <i>C. Camós, J.R. Casas, C. Molins</i>
17:40 - 18:00	Experimental and numerical analysis of SFRC ground slabs under point loading on elastic sub-base <i>I. Gokalp, O.T. Turan, M. Aydogan, M.A. Tasdemir</i>	On the design of steel fibre reinforced concrete pavements and slabs-on-grade <i>S.K. Nayar, R. Gettu</i>
18:00 - 18:20	Local impact damage behavior of fiber reinforced high strength concrete slabs <i>A. Abadel, H. Abbas, T. Almusallam, Y. Al-Salloum, S. Alsayed, N. Siddiqui, R. Iqbal</i>	Numerical modeling of precast frc segments: the Monte Lirio tunnel in Panama <i>A. Meda, F. Nerilli, Z. Rinaldi</i>

Friday - 21/09/2012		
9:00- 10:20	Session 15 (Room A) Long-term properties and durability (4) Chairman: Billy Boshoff Co-Chairman: Gyorgy Balazs	Session 16 (Room B) Structural and industrial applications (1) Chairman: Steffen Grunewald Co-Chairman: Mehmet Tasdemir
9:00 - 9:20	Shrinkage properties of polyolefin fiber reinforced mortars <i>B. Kiani, T. Rahmani, M. Nemati Chari, M. Shekarchizadeh</i>	Shear strength of beams reinforced with synthetic macro-fibers and stirrups <i>S. Altoubat, Y. Ardavan, K.A. Rieder</i>
9:20 - 9:40	Evolution of remaining compressive strength of fibre reinforced high strength concrete under fatigue efforts <i>J. Mínguez, D.C. González, M.A. Vicente, J.A. Martínez</i>	Behavior of hybrid fibre reinforced self compacting concrete load bearing wall panels <i>M. Chandrasekhar, M. Janardhana, M.V.S. Rao</i>
9:40 - 10:00	Non-destructive monitoring of fiber dispersion in fiber reinforced concrete: A comparison between different methods <i>L. Ferrara, M. Faifer, S. Toscani, R. Ottoboni</i>	Steel fibre as only reinforcing in free suspended one way elevated slabs: design conclusions of a tunnel formed slab and walls based upon full scale testing results <i>C. Kleinman, X. Destrée, A. Lambrechts, A. Hoekstra</i>
10:00 - 10:20	Pan-fibre modified concrete <i>I.N. Minsadrov</i>	Performance of steel fibre reinforced concrete columns under simulated blast loading <i>R. Burrell, H. Aoude, M. Saatcioglu</i>
10:20 - 11:00	Keynote Lecturer 2 (Room A) Barzin Mobasher Chairman: Romildo Toledo F ⁹	
11:00 - 11:20	Coffee Break	
11:20 - 13:00	Session 17 (Room A) Codes and standards Chairman: Liberato Ferrara Co-Chairman: Steffen Grunewald	Session 18 (Room B) Structural and industrial applications (2) Chairman: Ravindra Gettu Co-Chairman: Nemkumar Banthia
11:20 - 11:40	A new approach on crushing strength test for fibre reinforced concrete pipes <i>A. Figueiredo, A. de la Fuente, C. Molins, A. Aguado</i>	Design and testing elevated steel fibre reinforced self-compacting concrete slabs <i>J. A.O. Barros, H. Salehian, N.M.M.A Pires, D.M.F. Gonçalves</i>
11:40 - 12:00	Interfacial bond behaviour of GFRP bar in self-compacting fiber reinforced concrete <i>H. Mazaheripour, J. Barros, F. Soltanzadeh, D. Gonçalves</i>	Shear strength improvement of unreinforced masonry walls by means of high performance steel fibre reinforced mortar <i>L. Facconi, A. Conforti, F. Minelli, G. Plizzari</i>
12:00 - 12:20	A semi-analytical model to simulate the direct shear pull-out behaviour of hooked-end steel fibres <i>T. Soetens, S. Matthys</i>	Fibre reinforced concrete pipes: new designing trends <i>A. de la Fuente, A.D. de Figueiredo, A. Aguado, C. Molins, R. Escariz</i>
12:20 - 12:40	Crack width control for elements reinforced with rebars and recycled steel fibres: an experimental and theoretical study <i>G. Grolí, A.P. Caldentey</i>	Influence of steel fibres, used in conjunction with unconfined rebar configurations, on the structural performance of precast elements <i>G.P. Robinson, A. Palmeri, S.A. Austin</i>
12:40 - 13:00	Design charts for steel fibre reinforced concrete elevated slabs <i>D. Nakov</i>	Steel Fibre reinforced self-compacting concrete for grid foundations of single-family houses <i>N. Alves, J. Barros, A. Nunes, L. Lourenço</i>
13:00 - 14:20	Lunch	
14:20 - 16:00	Session 19 (Room A) Innovative structural systems Chairman: Stephen Foster Co-Chairman: António Figueiredo	Session 20 (Room B) Structural and industrial applications (3) Chairman: Terje Kanstad Co-Chairman: Climent Molins
14:20 - 14:40	Steel fibre reinforced self-compacting concrete for lightweight and durable pedestrian bridges: creep behaviour <i>P.J.D. Mendes, J.A. Barros, D.M.F. Gonçalves, J.M. Sena-Cruz</i>	Ductility analysis on the post-peak behavior of self-compacting fiber reinforced concrete (SCFRC) beams subjected to shear <i>E. Cuenca, J. Echegaray, P. Serna, A. Pasetto</i>
14:40 - 15:00	Bolted joints for UHPFRC precast prestressed elements <i>E. Camacho, J.A. López, P. Serna</i>	Shear behaviour of shallow beams in polypropylene fibre reinforced concrete <i>B. Barragan, A. Conforti, F. Minelli, S. Moro, G.A. Plizzari, L. Toffoli</i>
15:00 - 15:20	Conception of sandwich structural panels comprising thin walled steel fibre reinforced self-compacting concrete (SFRSCC) and fibre reinforced polymer (FRP) connectors <i>R. Lameiras, J. Barros, M. Azenha, I. Valente</i>	Shear strength of pre-tensioned members in high strength fibre reinforced concrete <i>L. Moreillon, J. Nseir, R. Suter, R. Le Roy</i>
15:20 - 15:40	Steel fibre reinforced interior beam-column joints without shear reinforcement and beam bars passing through joint <i>Y. Ishikawa, Y. Tanabe, H. Takatsu, H. Kimura</i>	Concrete behaviour and crack control of prestressed concrete beams with fibres <i>A. Kohoutková, I. Broukalová</i>
15:40 - 16:00	Application of PVA-fibre reinforced lightweight concrete for the retrofitting of timber beam ceilings <i>K. Holschemacher, H. Kieslich</i>	Shear resistance of macro-synthetic and steel fibre reinforced concrete beams without stirrups <i>B. Parmentier, N. Cauberg, L. Vandewalle</i>
16:00 - 16:20	Structural behaviour of hybrid concrete beams with fibre reinforced lightweight concrete <i>L.G. Nes, J.A. Øverli</i>	Preliminary calculations and casting stages of a UHPFRC truss footbridge <i>J.A. López, P. Serna, E. Camacho, J. Navarro</i>
16:20 - 16:40	Coffee Break	
16:40 - 17:30	Closing ceremony (Room A)	
19:45 - 23:30	BANQUET DINNER in the Pousada de Santa Marinha	