

MONDAY 27 september

Salle de Bal Centre

Salle de Bal Ouest

Salle Drummond

8.15 9.45 **PLENARY SESSION**

9.45 10.20 **BREAK**

10.20 12.00 **A1: Chemical Admixtures 1**

**B1: Mechanical Properties 1**

**C1: Rheology 1**

95	Smart Polycarboxylate Design for SCC in Precast Applications	L. Frunz D. Lootens R.J. Flatt F. Wombacher	112	Acceleration of Hardening Kinetics of SCC	F. Jacquemot P. Rougeau N. Flahault	165	Estimating Measurement Artifacts in Concrete Rheometers from MRI Measurement on Model Materials	H. Hafid G. Ovarlez F. Toussaint P.-H. Jezequel N. Roussel
230	Effect of Cellulose Ether on Water Retention of Freshly-Mixed Mortars – Relationship between Water Retention and Rheological Behavior	L. Patural A. Govin P. Grosseau B. Ruot O. Devès	21	Eurocode 2 Predictions vs. Mechanical Properties of Self-Compacting Concrete	P. Van Itterbeeck N. Cauberg B. Parmentier L. Vandewalle K. Lesage	254	A new Methodology to Study the Destructuration of Self-Consolidating Concrete	B. Helnan-Moussa Y. Vanhove E. Wirquin T. Chartier
261	Influence of SAP(s) on Water Release and Early Deformation of SCC Mixtures	S. Moisiadis I. Papayianni	183	Impact of Curing Temperature on the Performance Properties of Saltstone Mixes	J.R. Harbour T.B. Edwards V.J. Williams	33	Effect of Cement on Superplasticizer Adsorption, Yield Stress, Thixotropy and Segregation Resistance	D. Lowke T. Kränkel C. Gehlen P. Schiessl
219	Influence of Anti-Foaming Admixture on the Properties and Porosity Characteristic of Self-Compacting Concrete	B. Lazniewska-Piekarczyk	147	Time Evolution of Properties of SCC Mixtures Produced Using Crushed Limestone Aggregate and High Content of Limestone Filler	V. Bokan Bosiljkov D. Duh V. Bosiljkov R. Zarnic	36	An Investigation on the Effect of Natural Zeolite on Rheology and Stability of Self-Consolidating Mortar	M. Shekarchi N.A. Libre B. Ahmadi F. Sabet R. Khoshanazar
170	Research on the Effect of Polycarboxylate Superplasticizers on Rheology Properties of Compound Cementitious Systems	W. Dongmin L. Zhihua X. Weifeng	236	Special Binding System for new Concretes	N. Angelescu	262	Influence of SCM and Fillers on Rheological Properties, Kinetics of Hydration, and Compressive Strength of CEM of SCC Consistency	N. Mikanovic F. Rouis K.H. Khayat

12.00 13.30 **LUNCH**

13.30 15.10 **A2: Mix Design 1**

**B2: Physical Properties**

**C2: Flow Modeling**

2	Effect of Material Constituents and Mix Design on Performance of SCC for Precast, Prestressed Girders	G. Lemieux, S.D. Hwang, K.H. Khayat	240	Drying Shrinkage of SCC - Influence of the Composition of Ternary Composite Cements	H. Vikan T.A. Hammer K.O. Kjellsen	140	Computational Modelling of SCC Flow through Reinforced Sections	K. Vasilic N. Roussel B. Meng H.-C. Kühne
84	Robustness by Mix Design - A New Approach for Mixture Proportioning of SCC	P. Ramge L. Lohaus	138	Validation of the Model Developed by Le Roy for the Shrinkage of Self-Compacting Concrete	A. Alrifai S. Aggoun G. De Schutter E.H. Kadri A. Noumowe	65	Numerical Simulation of Castings with Self-Compacting Concrete	A. Gram R. McCarthy J. Silfverbrand
204	Development of New Cement Based Self-Leveling Screeds for Housing	C. Bohemann W. Brameshuber	18	Plastic Shrinkage Evaluation of Self-Consolidating Concrete as Repair Materials Based on Restrained and Free Strains Measurements	P. Ghoddousi A.A.S. Javid	86	Simple Method for Evaluating Self-Compactability of Self-Compacting Concrete: Case Study with Two Layers of Steel Bars as Obstacles	M. Maruoka Y. Omori N. Roussel K. Oyamada H. Fujiwara
6	Contribution to Mix Design Method of Self-Compacting Concretes (SCCs): Case of Pre-Cast Industry	J. Shen, I. Yurtidas C. Diagana A. Li	63	Shrinkage and Creep of SCC - the Influence of Paste Volume and Binder Composition	A. Leemann P. Lura C. Hoffmann R. Loser	218	Prediction of the Impact of Flow-induced Inhomogeneities in Self-Compacting Concrete (SCC)	J. Spangenberg H.H. Hattel J. Thorborg N. Roussel J. Skocek M.R. Geiker H. Stang
4	A Simple and Systematic Mix Design Procedure for Self-Compacting Concrete	P. Nanthagopalan M. Santhanam	111	Deformation of High Strength Self-Compacting Concrete for Early Age Loading	L. Maia J. Figueiras	76	Simulation and Testing of the Grout Backfill Process in a Case-Study Related to a Nuclear Waste Disposal Gallery	P. Bakker V. Ramohalli Gopala J.A. Lycklama à Nijeholt E. Koenders S. Grünewald J. Walraven

15.10 16.40 **POSTER SESSION**

16.40 18.00 **A3: Mix Design 2**

**B3: Case Study 1**

**C3: Rheology 2**

75	Structural Design with Flowable Concrete' - A fib-Recommendation for Tailor-Made Concrete	S. Grünewald L. Ferrara F. Dehn	20	Self-Consolidated Lightweight Concrete for Precast House	Y. Shao J. Khalili A. Morshed	198	Influence of Paste on the Rheological Properties of SCC using Direct Shear Box	S. Girish R.V. Ranganath
132	Tailor Made White SCC	S. Nunes H. Figueiras L. Maia J. Sousa Coutinho J. Figueiras	157	SCC for Rapid Home Construction after a Natural Disaster in Italy	D. Galeota M.M. Giammatteo A. Gregori G. Mandredi R. Marino S. Vivaldi	71	Effect of Metakaolin on the Rheology of Self-Consolidating Concrete	A.A.A. Hassan M. Lachemi K.M.A. Hosain
118	The Use of Powders to Control SCC Properties	P. Billberg	110	Application of Architectural Self-Consolidating Concrete	J. Abbuhl M. Welsch	247	Granular Material Characteristic of Fresh Concrete	Z. Li J. Li M. Iidaka
205	Effect of Limestone Filler Addition in Eco-SCC	F.V. Mueller O. Wallevik	52	Study on Property of SCC used in High Speed Railway Slab Ballastless Track	T. Yanbin L. Huajian X. Yongjiang Y. Zonghlai	156	Rheological Properties and Air-Entrainment of Self-Consolidating High Performance Concrete	J. Golaszewski A. Kostrzanowska

TUESDAY 28 September

Salle de Bal Centre

Salle de Bal Ouest

Salle Drummond

8.15 9.45 **PLENARY SESSION**

9.45 10.20 **BREAK**

10.20 12.00 **A4: Chemical Admixtures 2**

**B4: Durability**

**C4: Aggregates**

99	Influence of Different Polycarboxylate Ether (PCE) Types and Active Material Content on Fresh and Hardened Self-Compacting Concrete (SCC) Properties	B. Bicher	Effect of Freezing-Thawing Cycles on the Resistance of Self-Consolidating Concrete to Sulfate Attack	M.R. Bassuoni M. Sonebi	5	Design and Flow of Powder-type SCC with Crushed Aggregates	A. Huss H. Reinhardt
143	Innovative New Admixture for Flexible Slump Flow Retention in SCC Mixtures	J.A. Daczko	Frost Resistance of Non Air Entrained Self-Compacting Concrete	T.I. Kristjansson O. Wallevik	190	Effect of Aggregate Mix Composition on Lightweight Self-Consolidating Concrete	M. Kaszynska
106	Selecting Admixtures to Achieve Application-Required Rheology	E. Koehler A. Jeknavorian S. Klaus	Sorptivity Testing to Assess the Durability of SCC during Freeze-Thaw Cycling	V. Patel A.J. Boyd	61	Mix Design and Characterization of Self-Compacting Lightweight Aggregate Concrete	H. Costa E. Julio J. Lourenço
131	Delayed Addition of Plasticizer, Effects on Cement Hydration and Paste Rheology	R.A. Lauten	Influence of Viscosity Modifying Admixtures and Limestone Filler on the Durability of Self-Compacting Concrete	C. Parra M. Valcuende L. Garcia C. Rodriguez A. Garrido	160	Influence of the Type of Coarse Lightweight Aggregate on Fresh Properties of Semi-Lightweight Self-Consolidating Concrete	J. Kwasny M. Sonebi S.E. Taylor Y. Bai K. Owens P.A.M. Basheer D.J. Cleland
77	Effects of Superplasticizer and Viscosity-Modifying Agent on Fresh Concrete Performance of SCC at Varied Ambient Temperatures	W. Schmidt H.J.H. Brouwers H.-C. Kuehne B. Meng	Assessment and Comparison of Transport Properties in Order to Evaluate the Potential Durability of Self-compacting and Conventional Concretes	N. Agnostopoulos K.K. Sideris	59	Pumice Aggregate Self-Compacting Concrete (PASCC)	C.G. Papanicolaou M. Kaffetzakis

12.00 13.30 **LUNCH**

13.30 15.10 **A5: Production and Placement 1**

**B5: Structural Performance**

**C5: Rheology 3**

209	Optimisation of the Mixing Process for Producing Self-Compacting High-Performance Concrete	H. Beitzel	Pretensioned UHPC Beams with and without Openings	G. Bertram J. Hegger	56	Rheology of Superplasticized Cement Paste and Concrete Subjected to High Temperature and Prolonged Mixing Time	S. Al-Martini M. Nehdi
57	Similarities and Differences of Pumping Conventional and Self-Compacting Concrete	D. Feys G. De Schutter R. Verhoeven K. H. Khayat	Flexural Behaviour of Reinforced, Prestressed and Composite Self-Compacting Concrete Beams	S. Cattaneo F. Giussani F. Mola	90	Semi-Flowable SCC for Horizontal Slipform Construction	T. Kränkel D. Lowke C. Gehlen
233	Flow of SCC along Surfaces	S. Jacobsen H. Vikan L. Haugan	A Study of the Quality of Interface between SCC and Steel Reinforcement	A. Kanellopoulos M.F. Petrou I. Ioannou S. Pantazopoulou	136	Rheological Evaluation of Ingredients for SCC	S. Oesterheld F.V. Mueller S. Kubens O.H. Wallevik
252		W. Mansour	Structural Behavior of Self-Compacting Concrete Filled Tubes	G. Muciaccia F. Giussani G. Rosati F. Mola	89	Influence of Environmental Conditions on the Rheological Properties of SCC	S. Weisheit D. Waldmann M. Greger
251	Influence of the Nature of the Demoulding Oil on the Tribological Behaviour of the Self-Consolidating Concrete - Comparison with an Ordinary Concrete	S. Bouharoun Y. Vanhove C. Djelal I. Dubois P. De Caro	Compressive Membrane Action In GFRP Reinforced Self-Compacting Concrete Bridge Deck Slabs	S.E. Taylor M. Sonebi	23	Cellulose Ethers and Robustness of Self-Compacting Concrete	C. Brumaud R. Baumann M. Schmitz N. Roussel

15.10 15.40 **BREAK**

15.40 17.00 **A6: Case Study 2**

**B6: Mechanical Properties 2**

**C6: Workability**

42	Self-Compacting Concrete for Superior Marine Durability New Zealand's new Tauranga Harbour Link	L. McSaveney M. Khrapko F. Papworth	Validation of the Early-Age Thermo-Mechanical Behaviour of SCC Supercontainers for the Disposal of High Level Radioactive Waste	B. Craeye G. De Schutter L. Areias W. Wacquier H. Van Humbeeck A. Van Cotthem	177	Segregation of Coarse Aggregates in Self-Compacting Concrete	P. Range T. Proske H.-C. Kuehne
245	Self-Consolidating Concrete for On-site Bridge Applications	P. Paczkowski M. Kaszynska A.S. Nowak	Strain-Softening Behaviour of Self-Compacting Concrete	P. Desnerck G. De Schutter L. Taerwe	26	Validation of Electrical Conductivity Method to Assess Static Stability of SCC	H.A. Mesbah A. Yahia K.H. Khayat
3	Precast Elements made of Light-Weight Self-Compacting Concrete	M. Hubertova, R. Hela	Retrofit with SCC: Adhesion and Cracking Study	F. Kharchi O. Bouksani M. Benhadji	16	A Comparison of Segregation Test Methods: Visual Stability Index and Column Method	B. Shindman D.K. Panesar
64	Innovative Design and Placement of Frost Resistant Self-Compacting Concrete (SCC) to repair Tunnel Lining	L. D'Alaia Schwartzentruber C. Lenglet C. Larive	Assessing Bond Strength of Self-Compacting Mortars using Friction Transfer Method	E. Ghafari M. Naderi	212	Effect of Admixtures and Water Additions on the Application of the SCC Workability Box	A. Jeknavorian E. Koehler R. Cook

WEDNESDAY

29 September

Salle de Bal Centre		Salle de Bal Ouest		Salle Drummond	
8.15	9.55	<b>A7: Bond Strength</b>	<b>B7: Fiber-Reinforced SCC 1</b>	<b>C7: Supplementary Cementitious Materials</b>	
		189 Development Length of Carbon Fiber-Reinforced Polymers Bars in Self-Consolidating Concrete S.S. Krem K. Soudki	85 Design with Highly Flowable Fiber-Reinforced Concrete: Overview of the Activity of fib TG 8.8 L. Ferrara S. Grünewald F. Dehn	31 Influence of Water-to-Powder Ratio on Strength of SCC made with Coal Bottom Ash P. Aggarwal R. Siddique Y. Aggarwal J. Khatib	
		120 Bond Behaviour and Shear Capacity of Self-Compacting Concrete V. Boel P. Helincks P. Desnerck G. De Schutter	126 Influence of Polyvinyl Alcohol and Metallic Fibers on Fresh and Rheological Properties of Self-Consolidating Concrete K.M.A. Hossain M. Lachemi M. Samour	113 Design of Self-compacting Concrete According to the Nature of the Limestone Filler P. Diederich M. Mouret F. Ponchon	
		181 Bond of Lap-Spliced Bars in Self-Compacting Concrete E. Canbay	10 Fiber-Reinforced Cementitious Materials: From Intrinsic Isotropic Behaviour to Fiber Alignment L. Martinie N. Roussel	155 Evaluation of Pozzolanic Materials on Mechanical Properties and Durability of High-Performance Self-Consolidating Concrete (HPSCC) A.A. Ramezaniapour M. Samadian M. Mahdikhani	
		158 Effect of Rheology of SCC on Bond Strength of Ribbed Reinforcement Bars L. N. Thrane C. Pade C. Idzerda M. Kaasgaard	51 Drying Shrinkage Models for Fiber-Reinforced SCC F. Kassimi K.H. Khayat	135 Rheological Behaviour of Pastes Prepared with High Volume Ground Bottom Ash and Cement for Production of SCC W.L. Repette C.K. Sakamoto L.M. Vieira J.A. Dalmoro M.G. Palombo	
		69 Top-Bar Effect in Self-Compacting Concrete Elements K.G. Trezos I.P. Sfikas M.S. Palmos E.K. Sotiropoulou	123 Flow-Induced Fiber Orientation in SCSFRC: Monitoring and Prediction L. Ferrara N. Tregger S.P. Shah	255 Influence of neutralised BRR on rheology and compressive strength of cement grouts V. O'Donoghue M. Sonebi M. Basheer	
9.55	10.20	BREAK			
10.20	12.00	<b>A8: Production and Placement 2</b>	<b>B8: Fiber-Reinforced SCC 2</b>	<b>C8: Formwork Pressure</b>	
		67 A New Vertical Precast Production System J. Reymann M. Khrapko	60 Long-Term Behaviour of Fiber-Reinforced Self-Compacting Concrete Beams N. Buratti C. Mazzotti M. Savoia	19 Formwork Pressure of Highly Workable Concrete - Experiments Focused on Setting, Vibration and Design Approach T. Prose C.A. Graubner	
		108 Self-Compacting Mortar for Mass Concrete Application with PAC Technology M. Vieira A. Bettencourt A. Camelo J. Ferreira	101 Shear Behavior of Self-Compacting Concrete and Fiber-Reinforced Concrete Push-Off Specimens E. Cuenca P. Serna	244 Modelling Fresh Concrete Pressure of Normal and Self-Compacting Concrete M. Beitzel	
		116 The Selection of Grout Injection Parameters for Masonry Consolidation A. Bras F.M.A. Henriques	94 Metal-Fiber-Reinforcement Effect On The Flexural Behavior Of Reinforced SCC Beams Y. Frith T. Vidal A. Turatsinze G. Pons	203 Influence of Rheological Properties of Pourable Concrete on Formwork Pressure C. Bohnemann W. Brameshuber	
		40 A Study on Underwater Concreting by Using Two-Stage (Preplaced Aggregate) Concrete in Libya H. Abdelgader M.F. Najjar A.S. El-Baden T.M. Azabi	43 Prediction of Deflection at Service Loads for Steel Fiber-Reinforced Self-Compacting Concrete Flexural Elements P.T. Santhosh Kumar	241 SCC Formwork Pressure: Influence of Steel Rebars S. Amziane A. Perrot G. Ovarlez N. Roussel	
		192 To SCC Or Not To SCC? UK Contractors' Views D. Rich D. Williams J. Glass A. Gibb C. Goodier	216 Experimental study of post-cracking behavior of steel fibre reinforced self-compacting concrete P. Guetti G.O. Ribeiro P. Serna	133 Experimental Study on Effect of Wall Friction on Formwork Pressure of Self-Consolidating Concrete S.H. Kwon Q.T. Phung H.Y. Park J.H. Kim S.P. Shah	
12.00	13.30	LUNCH			
13.30	14.50	<b>A9: Case Study 3</b>	<b>B9: Hardened Properties</b>	<b>C9: Workability / Formwork Pressure</b>	
		246 Use of Rapid-Setting SCC for Bridge Repairs J. Bertrand	70 Properties of Low-Shrinkage, High-Strength SCC using Shrinkage-Reducing Admixture, Blast Furnace Slag and Limestone Aggregates K. Saito M. Kinoshita H. Umehara R. Yoshida	152 Evaluation of Fresh Properties of Self-Consolidating Concrete under Long Transportation Time and Extreme Temperature N. Ghafouri H. Diawara	
		50 Specifications and Quality Control Testing of Self-Consolidating Mortar Designated for Annular Space Grouting S.-D. Hwang K. H. Khayat R. Morin	250 Poroelastic Analysis of the Frost Behaviour of Self-Compacting Concrete E. Ghorbel G. Wardeh M. Mohamed	237 Influence of Paste Density on Rheological Performance of Mortar for Self Compacting Concrete S. Chowdhury S. Saraswati S.P. Shah	
		208 Self-Compacting Mortar for Concrete Furniture and Design Objects S. Kubens O. Wallevik	66 The Influence of Mix Design on the Sulphate Resistance of SCC R. Loser A. Leemann	39 Influence of Vibration on Fresh and Young Self-Consolidating Concrete and the Resulting Lateral Pressure on Rotational Symmetric Formwork Systems A. Zilch F. Dehn C. Stettner A. König	
		53 Application Research on SCC used in Turnover Area of High Speed Railway Slab Ballastless Track L. Huajian X. Yongjiang T. Yanbin Y. Zhonglai F. Zhongwei	148 Parametric Study of the Effects of the Composition on the Setting of Self-Compacting Mortar, using Continuous Ultrasonic Monitoring B. Desmet S. Group J. Vantomme G. De Schutter L. Vandewalle K. Lesage	129 Comparison of Three Methods to Capture the Formwork Pressure When Using SCC - A Field Study R. McCarthy J. Silfwerbrand	
15.00	16.15	PLENARY SESSION			

## Poster Session

Monday 27 September : 15.10 to 16.40

Foyer Salle Drummond

### Mix Design

249	Self-Compacting Concrete: Composition Methodology	E. Neto P. Cachi S. Jalali
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### SCM

30	Properties of Self-Compacting Concrete Containing Class-F Fly Ash	R. Siddique P. Aggarwal
229	High Volume Fly Ash Self Compacting Concrete: A Step Towards Sustainability Initiative	S. Chowdhury P.P. Biswas

### Aggregates

178	Durability of Dunes Sand Mortar in the Algerian South	L. Azzouz B. Benabed A.S.E. Belaidi E. Kadri
117	Manufacturing of Equivalent Self-compacting Concretes Based on Crushed Aggregates	R. Khelifa X. Brunetaud M. Al-Mukhtar
259	Resistance Model for Compressive Strength of Lightweight Concrete	A.S. Nowak A.M. Rakoczy
188	Influence of Volume of Paste on the Fresh and Hardened Properties of SCC using Recycled Aggregates	S. Girish G.N. Mallikarjun

### Admixtures

92	On the Competitive Adsorption between Sulfate and Superplasticizer	B.O. Myrvold
220	Influence of High Range Water Reducer Based on Polycarboxylic Ether and Anti-Foaming Admixture on Properties of Self-Compacting Mortar	B. Lazniewska-Piekarczyk

### Workability

82	Robustness of Low-Fines Self-Compacting Concrete	L. Garcia M. Valcuende C. Parra P. Serna C. Rodriguez
128	Direct and Indirect Determination of the Segregation Resistance of SCC	T. Kränkel D. Lowke C. Gehlen
37	An Optimum Combination of VMA and SP to Obtain Proper Self-Consolidating Concrete	M. Shekarchi N.A. Libre R. Khoshnazar A.M. Etemadrezaei K. Zare

### Rheology

58	The Rheological Behaviour of Fresh Self-Compacting Concrete in the High Shear Rate Range	D. Feys G. De Schutter R. Verhoeven
107	Paste Volume Requirements for Semi-Flowable SCC	E. Koehler R. Cook A. Jeknavorian
248	Normal Stress of Fresh Concrete, As a Result of Restraint of Shear Flow	J. Li Z. Li
228	Workability characteristics and performance criteria for design and control of super workable concrete	A. Ponge A. Leclerc N. Mikanovic K.H. Khayat

**Production and Placement**

222	Molding SCC with Single Layer	A. Kairouz M. Barrak
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**Flow Modeling**

258	Numerical Modelling of the Flow of Self-Compacting Concrete in Conveying Pipes	S. Tichko D. Feys G. De Schutter J. Vierendeels R. Verhoeven P. Troch
139	Modeling Self-compacting Concrete Slump Flow	O. Haddad S. Aggoun L. Nachbaur V. Waller
263		M. Hosseinpour

**Formwork Pressure**

174	Two-Function Model for Describing SCC Formwork Pressure	J.H. Kim S.H. Kwon S.P. Shah
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**Mechanical Properties**

194	Mechanical Properties of Self-Consolidating Pozzolanic Concretes at Elevated Temperatures	A.A. Ramezaniapour R. Esmaili
202	Development of High-Strength Self-Consolidating Concrete and Examination of the Characteristic Values	C. Bohnemann W. Brameshuber
150	Mechanical Characteristics and Durability of SCC assessed on Cores drilled of Large Scale Structural Elements	A. Georgiadis K.K. Sideris
260	Self-Compacting Concrete under Elevated Temperature	M. Sivaraja
54	Effect of Fluidity on Reliability of Self-Compacting Concrete (SCC) Prepared using Locally Available Materials of Saudi Arabia	N.A. Siddiqui

**Physical Properties**

83	Shrinkage of Self-Compacting Concrete made with Different Limestone Filler Contents	M. Valcuende E. Marco L. Garcia C. Parra P. Serna C. Rodriguez
22	Evaluation of the Cracking Potential of Young Self-Compacting Concrete	P. Van Itterbeeck N. Cauberg B. Parmentier L. Vandewalle K. Lesage

**Durability**

151	Mechanical Consequences of the External Sulfate Attack on Self-Compacting Concretes	R. Khelifa X. Brunetaud M. Al-Mukhtar
72	Durability of Self-Consolidating Concrete Containing Metakaolin	A.A.A. Hassan M. Lachemi K.M.A. Hosain
213	Reinforcing Steel Bars Corrosion in Self-Compacting Reinforced Concrete Structures	A.K.M. Hussain S.A.D. Al-Saraj H.A.K.M. Hussain

**Structural Performance / Bond Strength**

Reinforced Self-Compacting Concrete 121 Beams Subjected to Static and Dynamic Loads	V. Boel W. De Corte
Bond Strength of Sand Coated Carbon 232 Fibre Reinforced Polymer Bar in Self Consolidating Concrete	N. Doucette A. El Menoufy K. Soudki
Performance and Cracking Behaviour of 25 Reinforced Beams Cast with Self-Compacting Concrete with High Strength	H.R. Ebrahimi M.H.A. Beygi
The Advantage of Installing Helix 235 Confinement in Over Reinforced HSC Beams	N.M. Elbasha
Effect of Plastic Viscosity and Static 1 Stability on Uniformity of Self-Consolidating Concrete Elements	G. Lemieux, S.D. Hwang, K.H. Khayat

**FRSCC**

Shear Behavior of Self-Compacting 102 Concrete and Fiber-Reinforced Concrete Beams	E. Cuenca P. Serna
Design and Experimental Verification of 109 Self-Compacting Ultra High Performance Hybrid Fiber-reinforced Concrete Ties	E. Camacho P. Serna
The Influence of Steel Fibres on the 182 Dimensional and Ponder Variations of Concrete	A. Kamel H. Haçéne
Effects of Polypropylene Fibers on the 17 Stability of Self-Consolidating Engineered Cementitious Composites	I. Mehdipour N.A. Libre M. Vahdani M. Shekarchi
Effect of Volume Fraction of Glass Fiber 141 on Rheology and Shrinkage of Self-Consolidating Cementitious Materials	A.A. Taheri N.A. Libre I. Mehdipour M.H. Rochforooz
Effects of Fiber Types on the Fresh and 256 Rheological Properties of Self-Compacting Concretes	E. Ozbay F. Cassagnebere M. Lachemi
217 Production of Self Compacting Fiber Reinforced Concrete in North Cyprus	O. Eren A. Alyousif
201 Influence of Different Fiber Types on the Properties of Self-Compacting Concrete	H. Yildirim O. Tezel O. Sengul P. Guner

**Case Study**

8 Application of SCC as Mass Concrete in Steel-Concrete-Steel Sandwich Walls	G. Lu K. Wang
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