

Start time	End time	Monday, 4 September 2017, AT IIT MADRAS
08:00	18:30	Registration at IC&SR Lobby
09:00	10:30	Workshop on 'How to Publish Scientific Research' by Springer at IC&SR Auditorium
11:00	18:00	Workshop on Limestone Calcined Clay Cement (LC3) at IC&SR Auditorium
11:00	18:00	Workshop on Textile Reinforced Concrete (TRC) Systems at Central Lecture Theatre (CLT)
18:30	21:30	Welcome Reception at Open Air Theatre (OAT)

Start time	End time	Tuesday, 5 September 2017, AT HOTEL LEELA PALACE
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8:00	9:00	Registration at Lobby Level
9:00	9:35	Welcome and Introduction at Grand Ballroom
		Session 1 Plenary 1 (Chair: Ravindra Gettu) (Venue: Grand Ballroom)
9:35	10:00	Lecture 1: Nanotechnology and Metaconcrete/ <i>Surendra P Shah</i>
10:00	10:30	Lecture 2: Digital Concrete: Opportunities and Challenges/ <i>Timothy Wangler, Ena Lloret, Lex Reiter, Norman Hack, Fabio Gramazio, Matthias Kohler, Mathias Bernhard, Benjamin Dillenburger, Jonas Buchli, Nicolas Roussel and Robert Flatt</i> (v.1 p.25)
10:30	11:00	Lecture 3: Developing Innovations for Buildings with a Reduced Environmental Footprint: The Nest Project / <i>Peter Richner</i> (v.1 p.95)
11:00	11:30	Coffee Break

		Session 2A Heritage Materials and Structures - 1 Chair: Paulo Lourenço	Session 2B Bituminous Materials - 1 Chair: Herve Di Benedetto	Session 2C Sustainable Building Systems - 1 Chair: Peter Richner
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C
11:30	12:00	Keynote: Tracing Two Decades of Research at IIT Madras on Historical Structures/ <i>Arun Menon</i> (v.1 p.171)	Keynote: Optimizing Volumetric Properties and Performance of Asphalt Mixtures Using Innovative Additives/ <i>Hussain U Bahia, Amir Arshadi and Erik Lyngdal</i> (v.1 p.1)	Keynote: Constructing Alternative Futures for Sustainability - Interdisciplinary Research for New Architecture and Engineering/ <i>Forrest Meggers, Dorit Aviv, Eric Teitelbaum, James Coleman and Michael Bozlar</i> (v.1 p.73)
12:00	13:00	Historic Mortar Production in the First Millennium A.D, New Results from Archaeology and Scientific Dating/ <i>Sophie Hueglin</i> (v.4 p.609)	Fatigue Evaluation Tests for Asphalt Binders and Instabilities in Torsional Flows/ <i>Abhijith B S and Atul Narayan S P</i> (v.4 p.371)	Environmental Assessment of Disruptive Innovation in Concrete Structures/ <i>G Habert, S Zingg and I Agusti Juan</i> (v.4 p.641)
		Retrofitting of a Historical Masonry Building Using RC Shear Wall and Externally Bonded FRP System/ <i>Padalu Pravin Kumar Venkat Rao, Yogendra Singh, Umesh Sharma Sreekanta Das and Devavrata Singh</i> (v.3 p.607)	Assessment of Laboratory Oven-ageing of Asphalt Concrete Mixtures Via The Impact Resonance Test/ <i>Ilker Boz, Xuan Chen and Mansour Solaimanian</i> (v.4 p.391)	Low Energy Bio-Aggregate-Clay-Lime Concrete/ <i>Rotem Haik, Isaac A Meir and Alva Peled</i> (v.4 p.657)
		Numerical Modelling of Fastnet Lighthouse Based on Experimental Dynamic Identification/ <i>A Pappas, D D'Ayala, A Antonini, J Brownjohn and A Raby</i> (v.3 p.617)	Characterization of Uncertainty in Asphalt Mixture Complex Modulus Data/ <i>Aswathy Rema and Aravind K Swamy</i> (v.4 p.439)	Sustainable Building Systems/ <i>Ravi H B and C Subramaniam</i>
		TC Chair Lecture: TC 245 RTE - Reinforcement of Timber Elements in Existing Structures/ <i>Jorge Branco</i>	Viscoelastic Characterization of Bitumen and Bitumen-filler Matrix with Indentation Tests/ <i>Hassan Fadil, Denis Jelagin and Per-Lennart Larsson</i> (v.4 p.381)	Thermal Comfort and Energy Savings through Cool Elastomeric Roof Coatings/ <i>Gulab Malunjar and Jouko Vyörykkä</i> (v.4 p.719)
			Induction Heatable Asphalt Tiles and Pellets-New Approaches in Road Maintenance/ <i>Breixo Gomez-Mejide, Hadel Obaidi and Alvaro Garcia</i> (v.4 p.467)	Validation of Cooling Load Calculation of a Building Using Transmission Matrix Method/ <i>Nabeel Khan and B Bhattacharjee</i> (v.4 p.683)
13:00	14:00	Lunch Break		

Start time	End time	Tuesday, 5 September 2017			
		Session 3A Supplementary Cementing Materials - 1 Chair: Nele De Belie	Session 3B Bituminous Materials - 2 Chair: Atul Narayan	Session 3C Early Age Characteristics of Concrete Chair: Shailesh Sonar	Session 3D Geopolymers and Alkali-activated Materials - 1 Chair: Jay Sanjayan
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
		Microstructural and Phase Assemblage Changes in Naturally Carbonated Cement Paste with Supplementary Cementitious Materials (SCMs)/ <i>Wioletta Soja, Hamed Maraghechi and Karen Scrivener</i> (v.4 p.337)	Exploration of Temperature and Loading Rate Interdependency for Fracture Properties of Asphalt Mixtures/ <i>Katie E Haslett, Eshan V Dave and Jo Sias Daniel</i> (v.4 p.521)	Thixotropic Effects During Large-scale Concrete Pump Tests on Site/ <i>Geert De Schutter</i> (v.2 p.1)	Alkali-Activated Cements and Concretes – Where are We, and Where do We Go Next?/ <i>John L Provis</i> (v.3 p.219)
		Sensitivity of Reactivity Test Methods to the Fineness of Supplementary Cementitious Materials/ <i>Anuj Parashar, Vineet Shah and Shashank Bishnoi</i> (v.2 p.83)	Evaluating the Effect of Mix Design Variables on Flexibility Index from Semi-Circular Bend Test at Intermediate Temperature/ <i>Hussain Bahia, Cheng Ling, Remya Varma, Daniel Swiertz and Pouya Teymourpour</i> (v.4 p.541)	Measuring Behavior of Fresh Cement Paste/ <i>Parth K Thaker and Narendra K Arora</i> (v.3 p.11)	Design of Geopolymers with Reduced Content of Metakaolin and Silicate Solution/ <i>Christian A. Herget, Oliver Vogt, Adrian Zimmermann, Neven Ukrainczyk and Eduardus A B Koenders</i> (v.3 p.209)
		Comparison of Different Beneficiation Techniques to Improve Utilization Potential of Municipal Solid Waste Incineration Fly Ash Concrete/ <i>Aneeta Mary Joseph, Philip Van den Heede, Ruben Snellings, Andres Van Brecht, Stijn Matthys and Nele De Belie</i> (v.2 p.49)	Hollow Cylinder Apparatus to Characterise Interfaces Between Pavement Layers/ <i>Thomas Attia, Hervé Di Benedetto, Cédric Sauzéat, François Olard and Simon Pouget</i> (v.4 p.401)	Research on the Chloride-free and Alkali-free Liquid Set Accelerator for Sprayed Concrete/ <i>Ling Wang, Jiezhong Gan, Xia Zaho, Ping Zhang and Yading Xu</i> (v.2 p.211)	Effect of Molarity of Sodium Hydroxide and Curing Temperature on the Strength of Geopolymer Concrete Containing Recycled Concrete Aggregate/ <i>Thulasi Rajan Krishnan and Revathi Purushothaman</i> (v.4 p.45)
14:00	15:30	Use of Various Grades of Calcined Kaolinitic Clays In Limestone Calcined Clay Cement (LC3)/ <i>F Avet and K Scrivener</i> (v.3 p.151)	Development of Response Surface Model for Mechanical Properties of Foamed Bitumen Mixtures/ <i>Siksha S Kar, Devesh Tiwari, Aravind K Swamy and Pramod K Jain</i> (v.4 p.411)	New Silicone-Resin-based Integral Water Repellent for Cementitious Materials/ <i>Nenad Milenković, Lecomte Jean-Paul, Basab Saha, Marie-Jo Sarrazin, Leon Marteaux, Marie-Paule Delplancke and Christian Pierre</i> (v.3 p.479)	Fresh and Hardened Properties of Alkali-Activated Mortar with Class F-Fly Ash, GGBS Combinations/ <i>Mahipal Kasaniya and Prakash Nanthagopalan</i> (v.3 p.29)
		The Effect of Limestone on the Hydration and Workability of Ternary Blended Cement LC3: Limestone, Calcined Clays and Cement/ <i>Aurélie R Favier and Karen L Scrivener</i> (v.2 p.109)	Effect of Natural Rubber and Zycotherm on Moisture Performance of Asphalt Mixtures/ <i>P Saha Chowdhury, S Kumar and D Sarkar</i> (v.4 p.421)	Early Hydration and Dimensional Stability of UHPC/ <i>Jianhui Liu, Caijun Shi and Zemei Wu</i> (v.4 p.81)	Role of Reactive Alumina and Reactive Oxide Ratios on Strength Development in Alkaline Activation of Low-Calcium Fly Ash/ <i>Bhagath Singh G V P and Kolluru V L Subramaniam</i> (v.2 p.243)
		Progress on Testing of Mechanical Properties of Cement Based Materials - Extended Round Robin Test of COST Action TU 1404/ <i>Bokan Bosiljkov V, Serdar M, Staquet S and Azenha M</i> (v.4 p.171)	Influence of Ageing and Moisture Conditioning on the Tensile Strength Characteristics of Bituminous Mixtures/ <i>Bhaskar Pratim Das, Nishant Bhargava and Anjan Kumar S</i> (v.4 p.449)	Parametric Study on the Influence of Cement Replacement Materials on the Rheology of Cement Paste using Brookfield Viscometer/ <i>Kalyana Rama J, Saikrishna Pallerla, Sivakumar M V N, Vasan A and Ramachandra Murthy A</i> (v.2 p.23)	Comparison of Load-displacement Relationship and Crack Development Mechanism in Reinforced Geopolymer Concrete Beams with that of Regular Reinforced Concrete Beams/ <i>Anal Shah and C B Shah</i> (v.3 p.315)
		Acceleration of GGBS Cements by Chloride, New Insights on Early Hydration/ <i>Steger L, Patapy C, Salesses B, Chaouche M and Cyr M</i> (v.2 p.101)	A New Test Method to Study the Healing Behaviour of Asphaltic Materials Containing Encapsulated Rejuvenators/ <i>Tariq Al-Mansoori, Rui Micaelo, Ignacio Artamendi and Alvaro Garcia</i> (v.4 p.459)	Effect of Addition of Nucleation Seeds in Alkali Activated Binders/ <i>Sravanthi Puligilla, Dipobrato Sarbapalli and Paramita Mondal</i> (v.4 p.111)	A Study on the Effect of Sodium Silicate Modulus on the Mechanical Properties and Microstructure of Fly Ash Based Geopolymers/ <i>M Srinivasula Reddy, Dinakar Pasla and B H Rao</i> (v.3 p.143)
15:30	16:00	Coffee Break			

Start time	End time	Tuesday, 5 September 2017
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		Session 4A Supplementary Cementing Materials - 2 Chair: Ruben Snellings	Session 4B Surface Coatings and Self-healing Systems Chair: Jayasree Chakkamalayath	Session 4C Corrosion and Durability Chair: David Trejo	Session 4D Deterioration Mechanisms in Concrete Chair: Yunus Ballim
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
		Influence of Calcination Conditions on the Properties of MgO/ <i>C Unluer and J Liu</i> (v.3 p.101)	Application of a Self-Healing Mechanism in Concrete to Reduce Chloride Ingress Through Cracks/ <i>Bjorn Van Belleghem, Philip Van den Heede, Kim Van Tittelboom and Nele De Belie</i> (v.2 p.529)	Grouted Post-tensioning Evaluation and Corrosion Mitigation/ <i>Liao Haixue</i> (v.4 p.207)	Deterioration of Concrete Under Combined Freeze-Thaw Cycles, Chloride Attack and Flexural Load/ <i>Yin Cao, Ling Wang and Yan Yao</i> (v.4 p.269)
		Reactivity of Slag-cement Blends by Thermogravimetric Analysis/ <i>Kira Weise, Frank Roeser, Neven Ukrainczyk and Eduardus A B Koenders</i> (v.2 p.633)	Latest Technologies for Industrial Concrete Floors; An International Overview/ <i>Cortinovic C, Velikettil M and Lee Brockway</i> (v.2 p.269)	Prediction of Carbonation-induced Corrosion Initiation of Steel in RC Structures Exposed to Natural Inland Environment of South Africa/ <i>Jacob O Ikotun, Mike B Otieno and Yunus Ballim</i> (v.2 p.447)	Effect of Air Entrainment on the Resistance of Mortars to Physical Sulfate Salt Attack/ <i>Semion Zhutovsky and R Douglas Hooton</i> (v.3 p.409)
16:00	17:20	The Influence of Calcined Clay Substitution on the Properties of Limestone Calcined Clay Cement (LC3)/ <i>Wilasinee Hanpongpun and Karen Scrivener</i> (v.3 p.119)	Effect of Surface Protection on Carbonation Induced Corrosion in Reinforced Foamed Concrete/ <i>Marlin S Mubatapasango and Algurnon S van Rooyen</i> (v.4 p.179)	Enhancement of Mechanical Properties and Corrosion Behaviour of Concrete due to Addition of Ultrafine GGBS/ <i>Pradeep Kumar M, Murali Rangarajan and Mini K M</i> (v.2 p.221)	High Performance Concrete for Hydraulic Engineering Projects with Aggregates Presenting an AAR Hazard/ <i>Falikman V R, Safarov K B and Stepanova V F</i> (v.2 p.233)
		The Hydration and Microstructural Development of Limestone Calcined Clay Cement (LC3)/ <i>Shashank Bishnoi and Sreejith Krishnan</i> (v.4 p.343)	Chloride Profiling of Integral and Non-integral Surface Treated Foamed Concrete/ <i>Algurnon S van Rooyen and Gideon P A G van Zijl</i> (v.4 p.11)	Chloride Induced Corrosion of Steel in Alkali-activated Cements: A Review/ <i>Shishir Mundra, Susan A Bernal and John L Provis</i> (v.2 p.147)	U-Phase[(CaO) _x (Al ₂ O ₃)(SO ₃) _y (Na ₂ O) _z :nH ₂ O] in Hydrating Cement with Sodium Sulfate/ <i>Yuka Morinaga, Tomohiro Kajio, Elakneswaran Yogarajah, Toyoharu Nawa and Eiji Owaki</i> (v.3 p.547)
		Low Carbon Cement LC3 in Cuba- The Process of Development and Interaction with the Industry for Full Introduction as a Mainstream Product/ <i>Fernando Martirena and Karen Scrivener</i> (v.3 p.175)	Prestress Load Influence on Pull-out Behaviour of Post- installed Torque- controlled Expansion Anchors/ <i>Rouane N, Salomon P, Pallud B and Delhomme F</i> (v.2 p.287)	Durability Assessment of Reinforced Concrete Structures Assisted by Numerical Simulation/ <i>Jan Cervenka, Karolina Hajkova, Libor Jendele, Tereza Sajdlova and Vit Smilauer</i> (v.3 p.567)	The Decisive Role of Acidophilic Bacteria on Biogenic Acid Corrosion in Sewers: A Novel Model Approach/ <i>Cyrill Grengg, Florian Mittermayr, Guenther Koraimann, Florian Konrad, Mate Szabó, Attila Demeny and Martin Dietzel</i> (v.3 p.287)
		Durability Performance of Concretes Made with Different Cement Types/ <i>Fabrizio Moro and Roberto Torrent</i> (v.2 p.437)		Comparison of Corrosion of Damaged Fusion-Bonded-Epoxy-Coated (FBEC) and Uncoated Steel Rebars/ <i>Deepak K Kamde and Radhakrishna G Pillai</i> (v.4 p.261)	Effect of the Pore Size of Cement Based Materials on Migration Tests/ <i>Quang Hung Nguyen, Sylvie Lorente and Anne Duhart-Barone</i> (v.4 p.199)

Start time	End time	Tuesday, 5 September 2017			
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		Session 4A Supplementary Cementing Materials-2 (..Extended) Chair: Ruben Snellings	Session 4B Surface Coatings and Self-healing Systems (..Extended) Chair: Jayasree Chakkamalayath	Session 4C Corrosion and Durability (..Extended) Chair: David Trejo	Session 4D Deterioration Mechanisms in Concrete (..Extended) Chair: Yunus Ballim
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
17:20	17:45	<p>Poster Presentation Session :</p> <ol style="list-style-type: none"> 1. Characterisation and Pozzolanic Reactivity of Incineration Ashes Size - Separated by a Novel, Closed Circuit Classification Technology/ <i>Peter Nielsen, Ruben Snellings, Sumit Srivastava and Michel Loots</i> (v.3 p.97) 2. Micro-Physical Characterization of Buffalo Dung Ash/ <i>Jagadeesh P., Ramachandramurthy A and Murugesan R</i> (v.2, p.117) 3. Utilization of Flyash, Metakaolin and Silica Fume with Portland Cement in Properties of Quaternary Concrete/ <i>Naitik Patel and Niragi Dave</i> 4. Suitability of Low Kaolinitic Clay for the Production of Ternary Cement Blend/ <i>Palas K Haldar, Nikhil R. Dhabarde., Soumen Maity</i> 5. Environmental and Durability Assessment of Cements with Addition of Coal Bottom Ash/ <i>E Menéndez, S E Ruiz, and J de Frutos</i> (v.3 p.125) 6. Condition Assessment and Rehabilitation Measures for Fire Damaged Reinforced Concrete Supporting Structure of a Furnace/ <i>Bhaskar Sangoju., Ramanjaneyulu K, Kanchanadevi A and Saibabu S</i> (v.2 p.567) 7. Temperature Effects on Performance of Cementitious Systems: Microstructure and Transport Properties/ <i>Yuvaraj Dhandapani, Karen L. Scrivener and Manu Santhanam</i> (v.4 p.357) 8. Influence of the Incorporation of Fly Ash and Slag on the Shrinkage Response of Common Concretes/ <i>Sakthivel T., Ravindra Gettu and Radhakrishna G Pillai</i> (v.4 p.299) 	<p>Poster Presentation Session :</p> <ol style="list-style-type: none"> 1. Utilization of Steel Slag in Concrete as Coarse and Fine Aggregate/ <i>Arhab Elahi, Muntasir Ahmed and Majedul H Mazumder</i> (v.3 p.47) 2. Compressive Strength Modelling Using ANN for Concrete with Waste Foundry Sand as Partial Fine Aggregate/ <i>Muthukumar, M Nithya, A K Priya, V Aparna, D Vivek</i> (v.4 p.138) 3. Application of Digital Image Correlation (DIC) and Fracture Mechanics to Monitor and Measure Complex Mechanisms of Damage and Fracture in Reinforced Concrete Structures/ <i>Luis Saucedo-Mora and Carmen Andrade Perdrix M</i> (v.2 p.327) 4. Influence of Aggregate Modelling on Ultrasonic Wave Propagation in Concrete/ <i>Anand Kumar R., Pardeep K, Moorthi P V P, Bahurudeen A, Subair M and Nikhil S</i> (v.2 p.587) 5. Evaluation of Tack Coat Materials and Application Rates for Asphalt Interlayer Bond Strength/ <i>Vinayak Malaghan and Amit Goel</i> (v.4 p.573) 6. Effect of Aggregate Gradation on Rutting Performance of Asphalt-Rubber-Gap-Graded (AR-GAP) Mixtures/ <i>Veena Venudharan and Krishna Prapoorna Biligiri</i> (v.4 p.429) 7. Using the Hamburg Wheel Tracking Test to Characterize Asphalt Mixture Rutting and Moisture Damage Resistance in Cold Regions/ <i>Hussain Bahia, Cheng Ling and Daniel Swiertz</i> (v.4 p.531) 8. Evaluation of Low Temperature Cracking Tests and Their Results sensitivity to Asphalt Mixture Design Factors/ <i>Hussain U Bahia, Andrew Hanz, Tirupan Mandal, and Remya Varma</i> (v.4 p.551) 9. Investigation of Crack Initiation Behaviour of Asphalt Mixtures: Fatigue Study Through Dynamic Semicircular Bending Test/ <i>Gourab Saha and Krishna Prapoorna Biligiri</i> 	<p>Poster Presentation Session :</p> <ol style="list-style-type: none"> 1. GFRP Wrapped Concrete Filled Double Skin Tubular Beam-columns Subjected to Reversed Lateral Loading/ <i>Parvati T S and Joanna P S</i> (v.2 p.539) 2. An Analysis of Steel Fiber Efficiency on Reinforced Concrete Beams and Slabs Subjected to Static and Cyclic Loads/ <i>Buttignol T E T, Fernandes J F, Sousa J L A O and Bittencourt T</i> (v.2 p.307) 3. Experimental Study on Effect of Polypropylene Fibers on Durability properties of High Volume Fly ash Concrete/ <i>Karthikeyan R M, Venkatesh Babu D L and Prince Arulraj G</i> (v.4 p.189) 4. Experimental Study on Drying Shrinkage of Fibre Reinforced Concrete/ <i>Srinivasa Rao Naraganti, Rama Mohan Rao Pannem and Jagadeesh Putta</i> (v.3 p.241) 5. Retrofitting Building Roof for Energy Efficiency/ <i>Bandana Jha and B Bhattacharjee</i> (v.4 p.709) 6. Glass Powder based Geopolymer Binder for Precast Concrete/ <i>Dipten M, Bharath M S, Deepika S and Manu Santhanam</i> (v.3 p.193) 7. Assessment of Carbon Sequestration of Hemp Concrete/ <i>Tarun Jami and Sumit Kumar</i> (v.4 p.665) 8. Sustainability Study on Self-Compacting Concrete in-built with Raphanus sativus as an Efficient Internal Curing Agent/ <i>Rampradheep G S, Sivaraja M, Geetha M, Raghupathy S, Ragasudha P</i> (v.2 p.259) 	<p>Poster Presentation Session :</p> <ol style="list-style-type: none"> 1. A Review on Biofortified Self-healing Concrete/ <i>Sachin Tiwari, Shilpa Pal, Rekha Puria and Vikrant Nain</i> (v.2, p.91) 2. Influence of 2D Chloride Ingress on Corrosion Initiation and Propagation in Cracked and Uncracked Concrete: A Critical Literature Review/ <i>Ze G Zakka and Mike B Otieno</i> (v.2 p.477) 3. Molecular Dynamics Based Mechanical Characterisation of Cement Constituents at Elevated Temperatures/ <i>Harsha Praneeth, Tezeswi Tadepalli</i> (v.4 p.329) 4. Early-Age Properties of Flash-Calcined Dredging Sediment Blended Cements/ <i>C. Van Bunderen, R Snellings, L Horckmans, L Vandewalle and Ö Cizer</i> (v.3 p.81) 5. Reactivity and Performance of Limestone Calcined-Clay Cements (LC3) Cured at Low Temperature/ <i>Franco Zunino and Karen Scrivener</i> (v.2, p.155) 6. Experimental Investigation on Behavior of Concrete Exposed to ISO Rate of Heating/ <i>Daniel T Paul, Anand N and Prince G Arulraj</i> (v.3 p.435) 7. Sustainable Building Systems-Features and Benefits/ <i>Seema A Nihalani, Jayesh Juremalani and Nazimali Chinwala</i> (v.4 p.651) 8. Factors Influencing Sustainable Construction in India: Evidences from Case Studies/ <i>Aneetha Vilventhan and Sivaramakrishnan</i> (v.4 p.689)

Start time	End time	Wednesday, 6 September 2017
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7:30	8:30	Meditation Session at Royal Ballroom - Hall D
8:30	9:00	Registration at Lobby Level

		Session 5 Plenary 2 (Chair: Surendra P Shah) (Venue: Grand Ballroom)	
9:00	9:30	Lecture 1: A Review of Recent Work on Deicing Salt Damage to Concrete Pavements and its Mitigation/ <i>Prannoy Suraneni, Chunyu Qiao, Vahid Azad, Yaghoob Farnam, Jonathan Monical, Erol Unal, Chiara Villani, Burkan Isgor and Jason Weiss</i> (v.1 p.155)	
9:30	10:00	Lecture 2: Advanced Constitutive Modelling of Bituminous Materials/ <i>Herve Di Benedetto</i> (v.1 p.39)	
10:00	10:30	Lecture 3: Future cements and Durability/ <i>Karen Scrivener</i> (v.1 p.55)	
10:30	11:00	Lecture 4: Conservation of Historical Constructions in Seismic Area: Experimental Research on Enhancement Techniques for Masonry Buildings/ <i>Maria Rosa Valluzzi</i> (v.1 p.139)	
11:00	11:30	Coffee Break	

		Session 6A Sustainability and Innovations in Concrete Chair: Karen Scrivener	Session 6B Bituminous Materials - 3 Chair: Hussain Bahia	Session 6C Sustainable Building Systems - 2 Chair: Benny Raphael
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C
11:30	12:00	Keynote: New Sustainable Concretes-Design Approach and Properties/ <i>Harald S Müller, Michael Haist, Jack S Moffatt and Michael Vogel</i> (v.1 p.81)	TC Chair Lecture: TC 241 MCD - Mechanisms of Cracking and Debonding in Asphalt and Composite Pavements/ <i>William Buttlar</i>	Keynote: Sustainable HVAC Systems for Healthy Buildings/ <i>Chandra Sekhar</i> (v.1 p.17)
12:00	13:00	Micro and Macroscopic Investigations on the Interface Between Layers of 3D-Printed Cementitious Elements/ <i>Venkatesh N Nerella, Simone Hempel and Viktor Mechtcherine</i> (v.3 p.557)	Development of Probabilistic Rutting Curve from Wheel Tracking Device Data/ <i>Priyansh Singh and Aravind K Swamy</i> (v.4 p.495)	Effect of Transportation of Flyash: An LCA and LCCA Analysis of concrete/ <i>Deepak Kanraj and Daman Panesar</i> (v.4 p.631)
		Characterization of Separability of Carbon Textile Reinforced Concrete for Increased Material Sustainability/ <i>Magdalena Kimm, Nils Gerstein, Lia Weiler, Anya Vollpracht and Thomas Gries</i> (v.4 p.93)	Influence of Evotherm on Moisture Resistance of Dense Bituminous MixTUREs Subjected to Varied Temperatures and Pressures in a Moisture Induced Sensitivity Tester/ <i>Utsav Vishal, Sandel Prashant Shyam, Venkaiah Chowdary and K. Ahmed Asif</i> (v.4 p.503)	Identification of Suitable Ready Mix Concrete Suppliers Using Geographic Information System/ <i>Nivedha P, Athira G, Bahurudeen A and Prasanta K Sahu</i> (v.4 p.675)
		Innovative Manufacturing Methods of Drapable Textile Reinforcements for Folded/Double Curved Concrete Facade Elements/ <i>Gözdem Dittel, Andreas Koch and Thomas Gries</i> (v.2 p.227)	Influence of Static and Vibratory Compaction on the Flow Behavior of Asphalt Surface Courses/ <i>Ehsan Ghafoori Roozbahany, Alvaro Guarin and Manfred N Partl</i> (v.4 p.511)	PCM in Cement Based Materials for Green Construction: A Review/ <i>Suresh Kumar Padala, Shraddha J Deshpande and B Bhattacharjee</i> (v.4 p.699)
		Perfdub: A Four-Year Research Project to Make a Performance-Based Approach Operational in France/ <i>Fabrizio Moro, Bruno Godart, Xavier Guillot</i> (v.3 p.451)	High Stable Asphalt Wearing Course Mix (DASPAHLT® D HS) for Bus Lane, Roundabout and Industrial Areas/ <i>Pahirangan Sivapatham and Norbert Simmleit</i> (v.4 p.361)	Study of Eco-efficiency of Ready-mixed Concrete Production Processes/ <i>Anna George Nellickal and Sivakumar Palaniappan</i> (v.4 p.729)
		Design Procedures for Cement-Reduced Concrete/ <i>Jack S Moffatt, Michael Haist and Harald S Müller</i> (v.3 p.223)		
13:00	14:00	Lunch Break		

Start time	End time	Wednesday, 6 September 2017
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		Session 7A Geopolymers and Alkali-activated Materials - 2 Chair: John L Provis	Session 7B Bituminous Materials - 4 Chair: Aravind Swamy	Session 7C Microstructure and Modelling - 1 Chair: Gaurav Sant	Session 7D Advanced Curing Methods Chair: Shashank Bishnoi
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
14:00	15:30	TC Chair Lecture: TC 247 DTA- Durability Testing of Alkali-activated Materials / <i>John L Provis</i>	Water Evaporation from Asphalt Porous Media/ <i>Mustafa Aboufoul and Alvaro Garcia</i> (v.4 p.477)	Using the Pitzer Model to Predict Aqueous Solution Compositions of Portland Cements Blended with Supplementary Cementitious Materials/ <i>Dale P Prentice, Susan A Bernal, Mark Bankhead, Martin Hayes and John L Provis</i> (v.2 p.613)	Effect of Internal Curing on Concrete Properties/ <i>Fahim Ahmed, Munaz Ahmed Noor, Muhammad Nazmul Huda, Fazle Rabbi and Md. Rashedul Hasan</i> (v.3 p.249)
			Study on Feasibility and Effect of Adding PCM (Phase Change Material) in Wearing Course using Cold Mix Technology/ <i>Piyush Sharma and Amit Goel</i> (v.4 p.589)	Trainable WEKA Phase Segmentation on SEM/BSE Images of Slag Blended Cement Pastes/ <i>Natalia M Alderete, Yury A Villagrán Zaccardi and De Belie Nele</i> (v.2 p.603)	The Influence of Curing Temperature and Curing Period on Strength Development in High Volume Fly ash Concrete/ <i>G V P Bhagath Singh and Kolluru V L Subramaniam</i> (v.3 p.39)
		Study on Thermo-Physical Properties and Microstructural Characterisation of Light Weight Aerated Flyash Based Geopolymer/ <i>T Revathi, R Jeyalakshmi and N P Rajamane</i> (v.4 p.1)	Use of WLF Equation to Capture Short Term Ageing Characteristics of Asphalt Binder/ <i>Priyansh Singh and Aravind K Swamy</i> (v.4 p.487)	Physical Model of the Capillary Absorption in Cementitious Materials, New Approach to Calculate Analytically the Pore Size Distribution from the Gravimetric Test/ <i>Luis Saucedo-Mora, Carmen Andrade, Sandra Cabeza and Dietmar Meinel</i> (v.2 p.423)	Application of Waste-derived Lightweight Aggregates for Internal Curing of Concrete/ <i>Pietro Lura, Mateusz Wyrzykowski, Sadegh Ghourchian, Sakprayut Sinthupinyo, Clarence Tang, Natechanok Chitvoranund, Tipwimol Chintana and Kritsada Sisomphon</i> (v.2 p.251)
		Investigation of Mixture Factors Influencing Alkali-Silica Reaction in Fly Ash-Based Geopolymer Mortars/ <i>Abdolhossein Naghizadeh and Stephen O. Ekolu</i> (v.3 p.395)	Effect of Fibres addition on the Electrical and Thermal Properties of Recycled Rubber Membranes/ <i>J Norambuena-Contreras, J L Concha, R Muñoz and E Baradit</i> (v.4 p.579)	Easy Evaluation of Air-void Systems in Concrete as Spatial Point Processes/ <i>Takuma Murotani, Hidefumi Koto and Shin-ichi Igarashi</i> (v.2 p.383)	Shrinkage of Fly ash Concrete for Different Replacement Levels and Under Different Curing Conditions/ <i>Mude Hanumananaik and Kolluru V L Subramaniam</i> (v.3 p.61)
		Post-processing Methods for Improving Strength of Geopolymer produced using 3D Printing Technique/ <i>Ming Xia and Jay Sanjayan</i> (v.4 p.55)	Effect of Fluid-like Characteristics of Bituminous Layers and Inertia on the Rutting Behaviour of Flexible Pavements/ <i>Kavinmathi K and Atul Narayan S. P</i> (v.4 p.563)	The Origin of Anomalous Thermal Expansion Behavior in Calcium-Silicate-Hydrates/ <i>N M Anoop Krishnan, Bu Wang, Gabriel Falzone I, Yann Le Pape, Narayanan Neithalath, Laurent Pilon, Mathieu Bauchy and Gaurav Sant</i> (v.3 p.353)	Understanding Ionic Dependence on the Water Absorption by Superabsorbent Polymer in Early Age Concrete/ <i>Moon Juhyuk, Kang Sung-Hoon and Hong Sung-Gul</i> (v.2 p.17)
		Modeling Fly Ash Based Geopolymer Flow for 3D Printing Applications/ <i>Biranchi Panda, Li Mingyang, Yi Wei Daniel Tay, Suvash Chandra Paul and Ming Jen Tan</i> (v.2 p.9)		Hydration of Cement Blended with Flyash-calcined Dredging Sediment/ <i>Ruben Snellings, Liesbeth Horckmans, Céline Van Bunderen, Lucie Vandewalle, Koenraad Van Balen, Joris Dockx, Jonas Marlijn, Jos Vandekeybus, Özlem Cizer</i> (v.4 p.27)	Artificial Neural Network for Evaluating the Strength of Self-Compacting Self-Curing Concrete/ <i>A Mohanraj, V Senthikumar and N Karthiga Shenbagam</i> (v.4 p.17)
		Properties of Geopolymer Concrete with OPC as a Curing Agent/ <i>Bhushan H Shinde and Kshitija N Kadam</i> (v.3 p.203)		Microstructure Guided Simulations to Predict the Effective Mechanical Properties of Cementitious Materials/ <i>Sumanta Das, Gaurav Sant, Nikhilesh Chawla and Narayanan Neithalath</i> (v.3 p.527)	Importance of the Curing Period Length on the Chloride Transport Through Concrete Containing SCMs/ <i>Luna Molina F J, Fernández Pérez A and Alonso M C</i> (v.2 p.413)
15:30	16:00	Coffee Break			

Start time	End time	Wednesday, 6 September 2017			
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		Session 8A Transport Properties Chair: Douglas Hooton	Session 8B Fibre Reinforced Concrete - 1 Chair: Liberato Ferrara	Session 8C Microstructure and Modelling - 2 Chair: Paramita Mondal	Session 8D Self Compacting Concrete Chair: Prakash Nanthagopalan
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
16:00	17:30	Effect of Calcium Nitrite Inhibitor on Mechanical and Durability Parameters of Concrete/ <i>Bhaskar Sangoju, Bharatkumar B H and Ravindra Gettu</i> (v.2 p.427)	Pull-out Phenomenon of Synthetic Macro Fibres from a Cementitious Matrix/ <i>Adewumi J Babafemi and William P Boshoff</i> (v.2 p.367)	Comparative Study of Models for Porosity of Cement Paste/ <i>Shatabdi Mallick, Anoop M B and Balaji Rao K</i> (v.2 p.467)	Factors Influencing the Interactions between PCE Superplasticizers and Portland Cement/ <i>Pascal Boustingorry, Caroline Autier and Nathalie Azema</i> (v.2 p.29)
		Concrete with Fly ash – Highest Quality for Durability ever Achieved in Mozambique for a Bridge/ <i>D Swanepoel, J Seitz and B Pengyu</i> (v.4 p.223)	Role of Steel Fibers in Shear Resistance of Beams in Arch Action/ <i>Sahith Gali and Kolluru V L Subramanian</i> (v.2 p.297)	Temporal Evolution of Microstructure, Chemical and Mechanical Properties of Tricalcium Silicate/ <i>Aleena Alex and Pijush Ghosh</i> (v.2 p.597)	Making and Using Self-compacting Concrete with Locally available Materials for Various Applications in Indian Scenario/ <i>L S Kannan, V Umamaheshwaran, K Sivakumar</i> (v.4 p.63)
		Diffusion and Interactions of Chloride Ions with Ternary Blends of Portland cement-limestone-calcined clay Binders/ <i>Hamed Maraghechi, Francois Avet and Karen Scrivener</i> (v.2 p.173)	Stress-crack Separation Relationship for Macrosynthetic, Steel and Hybrid Fiber Reinforced Concrete/ <i>Chiranjeevi Reddy Kamasani, Jayakrishnan R and Kolluru V L Subramaniam</i> (v.2 p.279)	Microstructural and Morphological Studies of Ordinary Portland Cement Paste and Fly Ash based Geopolymer in the presence of Chloride Ions/ <i>Pavithra Parthasarathy, Asad Hanif, Hongyu Shao and Zongjin Li</i> (v.2 p.623)	A Study on Producing Self-Compacting Concrete Mixtures using Different Waste Materials as Mineral Fillers/ <i>Shamsad Ahmad and Saheed Kolawole Adekunle</i> (v.3 p.155)
		Impact of C ₃ A Content on the Chloride Diffusivity of Concrete/ <i>Yu Q H, Pham G, Chonier A, Bauland A, Pommier G and Moro F</i> (v.2 p.377)	Effect of Slag Addition and Rate of Loading on Fibre Pullout in Alkali-Activated Fly Ash-Based Materials/ <i>Mohammed Farooq, Aamer Bhutta and Nemkumar Banthia</i> (v.3 p.19)	Modelling Early Age Hydration Kinetics of C ₃ S Blended with Different Particle Size Distributions/ <i>Shiju Joseph, Shashank Bishnoi, Koen Van Balen and Ozlem Cizer</i> (v.2 p.641)	High Temperature Effects of Self Compacted Concrete : Experimental and Numerical Study Ash, GGBS Combinations/ <i>D Harinadha Reddy and Ananth Ramaswamy</i> (v.3 p.165)
		Relationship between Concrete Resistivity and the Indication of Chloride Penetration by ASTM C1202 in Concrete made with OPC, and Admixed with Slag and/or Limestone Powder/ <i>Yury A Villagrán Zaccardi, Natalia M Alderete and Angel A Di Maio</i> (v.2 p.403)	On the Tensile Characterization of Fiber Reinforced Concrete According to fib Model Code 2010/ <i>Buttignol T E T, Fernandes J F, Bittencourt T and Sousa J L A O</i> (v.2 p.317)	Study of the Effect of MgO on Alite Polymorphism and Its Subsequent Effect on the Hydration Properties/ <i>Nikhila Balasubramanya, Nibedita Dutta, and Amit Chatterjee</i> (v.3 p.537)	Behaviour of M 50 Grade Self-Compacting Concrete Developed Using Indian Metakaolin/ <i>Kruthi Kiran Ramagiri, Janardhana Maganti and Dinakar Pasala</i> (v.4 p.35)
		Are Prescribed Mixes in BS 8500-1:2015 Containing GGBS Suitable for the Marine Environment?/ <i>E Tzoura, T Howarth, P A M Basheer</i> (v.3 p.333)	Experimental Characterization of the Post-Cracking Response in Hybrid Recycled/Industrial Steel Fiber-Reinforced Concrete/ <i>Antonio Caggiano, Marco Pepe, Carmine Lima, Paula Folino and Enzo Martinelli</i> (v.3 p.304)	The Importance of C-A-S-H Surface Chemistry on Chloride Resistance of Slag-Blended Cement/ <i>Elakneswaran Yogarajah and Toyoharu Nawa</i> (v.3 p.323)	Experimental Studies on the Properties of Metakaolin Blended Self-Compacting Coconut Shell Lightweight Concrete/ <i>Idowu H Adebakin, Gunasekaran Kandaswamy, and Annadurai Ramasamy</i> (v.3 p.71)
		The Effect of Granulated Blast Furnace Slag on Chloride Diffusivity of Concrete/ <i>Takashi Fujii, Hitoshi Fujiwara and Toshiki Ayano</i> (v.3 p.361)	Effects of Crystalline Admixtures on the Repeatability of Self Healing in Fiber Reinforced Concrete/ <i>Estefania Cuenca and Liberato Ferrara</i> (v.2 p.163)	Service life Modeling of Biogenic Sulphuric Acid Attack on Sewage Structure: A State-of-the-art Review/ <i>Ankur Bansal and Shashank Bishnoi</i> (v.4 p.319)	Feasible Use of Recycled Concrete Aggregates in Self-compacting Concrete: A Review/ <i>Tung-Chai Ling, Yuxuan Liu and Senthil Kumar K</i> (v.2 p.137)

17:30	18:30	POSTER SESSION at Lobby of Royal Ballroom
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18:30	22:00	CONFERENCE BANQUET at Grand Ballroom
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Start time	End time	Thursday, 7 September 2017
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6:30	7:30	Yoga Session at Royal Ballroom - Hall D
8:30	9:00	Registration at Lobby Level

		Session 9 Plenary 3 (Chair: Nicolas Rousel) (Venue: Grand Ballroom)	
9:00	9:30	Lecture 1: L'Hermite Medalist Lecture / <i>Ueli Angst</i>	
9:30	10:00	Lecture 2: The Need for Standardised Testing of Input Variables for Reliable Service Life Prediction of Reinforced Concrete Structures/ <i>David Trejo, Mahmoud Shakouri, and Naga Pavan Vaddey</i> (v.1 p.125)	
10:00	10:30	Lecture 3: Obtaining Durable Concrete Using Performance Specifications/ <i>R Douglas Hooton</i> (v.1 p.45)	
10:30	11:00	Lecture 4: Structural Conservation of Heritage Buildings/ <i>Paulo B Lourenço</i> (v.1 p.63)	
11:00	11:30	Coffee Break	

		Session 10A Nanomaterials in Concrete Chair: Jason Weiss	Session 10B Non-Destructive Testing (NDT) Chair: Kolluru Subramaniam	Session 10C Heritage Materials and Structures - 2 Chair: Arun Menon
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C
11:30	12:00	Keynote: Early Stage Hydration studies of Tricalciumsilicate Using silica Nanoparticles/ <i>Lok P Singh, Dilshad Ali and Usha Sharma</i> (v.1 p.113)	TC Chair Lecture: TC 249 ISC- Non Destructive In-situ Strength Assessment of Concrete/ <i>Denys Breyse</i>	Keynote: Key Metals and Alloys from Indian and South Indian Antiquity: An Archaeometallurgical Overview/ <i>Sharada Srinivasan</i> (v.1 p.99)
12:00	13:00	Compressive Strength and Surface Morphology of Hydrated Cement Paste Containing Micro- and Nano- Cement Additives/ <i>Al-Bahar S, Chakkamalayath J and Joseph A</i> (v.2 p.189)	Monitoring of Early-Age Characteristics of Concrete using EMI based Embedded PZT Transducers on Varying Plate Thickness/ <i>Jothi Saravanan T, Gopalakrishnan N and Bharathi Priya C</i> (v.2 p.557)	Natural Hydraulic Lime Based Composites for Strengthening of Historical Structures/ <i>Bekir Y Pekmezci</i> (v.3 p.597)
		Nanosilica Coated Aggregates: Effects on Strength, Microstructure, and Transport Properties of Hydraulic Cement Mortars/ <i>Parth Panchmatia, Jan Olek, Ehsan Ghafari, Seyedali Ghahari and Lu Na</i> (v.2 p.73)	Development of an Embedded PZT Sensor for Monitoring Mechanical Impedance of a Cementitious Material through Setting and Early Strength Gain/ <i>Arun Narayanan, Amarteja Kocherla and K V L Subramaniam</i> (v.3 p.497)	Effect of Natural Polymers from Aegle Marmelos on the Characteristics of Hydraulic Lime Mortar/ <i>R Ravi, S Thirumalini and Khalid Ahmed Gour</i> (v.4 p.599)
		Nano-Reinforcement in Cement Composites: Tubes and Platelets/ <i>Roey Nadiv, Matan Birenboim, Oren Regev and Alva Peled</i> (v.3 p.55)	Acoustic Emission Behavior of Synthetic Fiber Reinforced Concrete under Flexure/ <i>Abdur Rasheed M, Yuma Kawasaki, Suriya Prakash S and Naoki Ogawa</i> (v.2 p.577)	Finite Element Modelling of a Three Storey Cross Laminated Timber Structure / <i>Chrysl A Aranha, Jorge M Branco and Paulo B Lourenço</i> (v.4 p.621)
		Effects of C-S-H Nano Crystals on Early Strength Development in Concrete/ <i>S Das, S Ray and S Sarkar</i> (v.3 p.111)	Monitoring Acoustic Emission of Fresh Cement Paste/ <i>Evin Dildar Dzaye, Geert De Schutter and Dimitrios Aggelis</i> (v.3 p.507)	Early Reinforced Concrete Structures, A Methodological Approach from Materials and Details to Structural Assessments/ <i>Elena Stievanin, Enrico Garbin, Michele Secco, Francesca da Porto and Gilberto Artioli</i> (v.3 p.587)
		The Effect of Nanomagnetite on the Shielding Properties of Cementitious Composites/ <i>Horszczaruk E, Brzozowski P, Sikora P, Cendrowski K and Mijowska E</i> (v.2 p.55)	Water content effect on concrete response in UPV Tests/ <i>Biondi S, Valente C and Zuccarino L</i> (v.4 p.313)	Effect of Ageing on the Microstructural Characteristics of Lime Putty/ <i>Divya Rani and Manu Santhanam</i> (v.4 p.615)
13:00	14:00	Lunch Break		

Start time	End time	Thursday, 7 September 2017			
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		Session 11A Repair and Retrofitting - 1 Chair: Smitha Gopinath	Session 11B Fibre Reinforced Concrete - 2 Chair: Navneet Narayan	Session 11C Service Life Estimation - 1 Chair: Carmen Andrade	Session 11D Structural Behaviour - 1 Chair: Amlan Sengupta
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
14:00	15:00	Bond Strength of SRG Composite Systems Applied to Concrete/ <i>Elena Stievanin, Enrico Garbin, Matteo Panizza, Francesca da Porto and M R Valluzzi</i> (v.3 p.459)	Initial Study on Determining the Design Values of Macro Synthetic FRC for Floors-on-grade/ <i>William P Boshoff, Hermanus L Bester and Celeste Viljoen</i> (v.2 p.201)	Suitability of Accelerated Test Methods as a Tool for Service Life Prediction for RC Structures Made of Ordinary Portland and Blended Cement/ <i>Arora V V and Puneet Kaura</i> (v.2 p.457)	Finite Element Analyses of Pinned Precast Beam Column Connections/ <i>Jaya Prakash Vemuri, Sahith Gali and Subramaniam Kolluru</i> (v.2 p.331)
		Performance of RC Walls with Openings Strengthened by Fiber Reinforced Polymers: An Experimental and Theoretical Investigation/ <i>Cosmin Popescu, Gabriel Sa, Thomas Blanksvård and Björn Täljsten</i> (v.2 p.509)	Performance Study of Steel Fibre Reinforced Concrete Slabs-on-ground in Industries/ <i>M Murugesan, Dashrath Rajpurohit and Kishor Kumar M</i> (v.4 p.129)	Experimental Study of Chloride Diffusivity in Unsaturated Ordinary Portland Cement Mortar/ <i>Yong Zhang and Guang Ye</i> (v.3 p.417)	Concrete Under High Dynamic Loads for Mechanical Engineering/ <i>Christian Neunzig, Simo Schmidt, David Jasper, Wolfgang Brameshuber, Christian Brecher, Michael Raupach and Thomas Heiermann</i> (v.3 p.259)
		Effect of the Type of Cement on the Performances of Repair Mortars/ <i>Inès L Tchegnina Ngassam and Hans Beushausen</i> (v.3 p.489)	A Crack-width Design Approach for Seamless Jointless Steel Fibre Reinforced Concrete Grade Slabs/ <i>Hendrik Thoofit, H E Sriprakash Shastry and Navneet T Narayan</i> (v.4 p.101)	Time Development of Chloride Diffusion Coefficients for Concrete Exposed to the Marine Environment/ <i>Rukshani Heiyantuduwa and Mark Alexander</i> (v.3 p.369)	A Study on Deterioration of Flexural Behaviour of Corroded Pre-tensioned Beams/ <i>G Resmi, Amlan K Sengupta and Radhakrishna G Pillai</i> (v.4 p.211)
		Behavior of Hybrid NSM Reinforced and Externally Confined Reinforced Concrete Columns under Eccentric Compression – Experimental and Numerical Studies/ <i>Chellapandian M and Suriya Prakash S</i> (v.2 p.519)	Torsional Behaviour of Steel Fiber Reinforced Concrete Beam under Various Fiber Orientations/ <i>Sumant Nivarutti Shinde and Mrudula Sanjay Kulkarni</i> (v.3 p.297)	Validation of the Mixture Theory Based Model for Sulfate Attack in Concrete/ <i>Chethan Gouder and Saravanan U</i> (v.3 p.443)	Study on Concrete-Steel Sandwich Panel with Composite Skin/ <i>Smriti Raj, Bharatkumar B H and Ramesh Kumar V</i> (v.2 p.357)
		Assessment of the Behavior at High Temperature of Polymer Cement Mortars for Repair/ <i>E Menéndez, E Puerto, R Gettu, M^a Eugenia Maciá and A Castillo</i> (v.3 p.469)	Comparison of Flexural Toughness Parameters from Notched and Unnotched Beam Tests for Fibre Reinforced Concrete / <i>Sujatha Jose and Ravindra Gettu</i> (v.4 p.143)	A Study on Sodium Nitrate, Zinc Oxide and disodium Hydrogen Phosphate as Corrosion Inhibitors in Reinforced Concrete/ <i>Rozampua, Jyotish Kumar Das and Bulu Pradhan</i> (v.3 p.385)	Reinforced Lightweight Foamed Concrete for Seismically Resistant Low-rise Residential Buildings/ <i>Trevor P A Dunn, Algurnon S van Rooyen and Gideon P A G van Zijl</i> (v.3 p.269)
		15:00	15:30	Coffee Break	

Start time	End time	Thursday, 7 September 2017			
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		Session 12A Repair and Retrofitting - 2 Chair: Esperanza Menéndez	Session 12B Aggregates Chair: Dinakar Pasla	Session 12C Service Life Estimation - 2 Chair: Mark Alexander	Session 12D Structural Behaviour - 2 Chair: Sunitha Nayar
		Grand Ballroom - Hall A	Grand Ballroom - Hall B	Grand Ballroom - Hall C	Royal Ballroom - Hall D
		Bond Enhancement of Repair Mortar via Biodeposition/ <i>Didier Snoeck, Jiansun Wang, Dale P Bentz and Nele De Belie</i> (v.2 p.501)	Influence of Treated Recycled Concrete Aggregate on Concrete Properties/ <i>Anna Galindo and Miren Etxeberria</i> (v.3 p.97)	Chloride Thresholds for Stainless Steel Rebars/ <i>J.Sanchez, A Pachon, C Andrade, J Fullea and V Matres</i> (v.3 p.375)	Longitudinal Reinforcement Limits in RC Vertical Elements Based on Creep and Shrinkage Prediction Models/ <i>Najeeb Shariff and Devdas Menon</i> (v.2 p.349)
		Elastomeric Polyurethane for Retrofitting Application of Concrete Structures under Dynamic Loadings/ <i>Sudharshan N Raman, H M Chandima C Somarathna, Azrul A Mutalib and Khairiah H Badri</i> (v.2 p.549)	Performance Evaluation of Concrete made of Recycled Fine Aggregates from Different Exposure Conditions/ <i>Dhanya B S, Anujith K Babu, Jacob Sebastian, Varsha S Kumar and Smruthi P Nair</i> (v.2 p.127)	Modelling Carbonation Rates in Concretes with Similar Strength and With and Without Slag / <i>Sundar Rathnarajan, Naga Pavan Vaddey, Radhakrishna G Pillai, Ravindra Gettu, and Manu Santhanam</i> (v.4 p.253)	Importance of Modulus of Elasticity (E value) of Concrete in High-rise Construction, Best Field and Laboratory Practices for Measurement and Monitoring and Reporting/ <i>P. Srinivasa Charyulu</i>
		Repair and Retrofitting of Structural Components Using Textile Reinforced Concrete/ <i>Smitha Gopinath, Nagesh R Iyer and Ravindra Gettu</i> (v.4 p.73)	Experimental Investigations on Fracture Parameters of Recycled Aggregate Concrete/ <i>Bhashya V and Bharatkumar B H</i> (v.3 p.233)	Changes in Pore Structure Properties of Cement Paste and Concrete on Carbonation/ <i>Vineet Shah, Anuj Parashar and Shashank Bishnoi</i> (v.2 p.495)	Ductility of FRP Confined Concrete Subjected to Cyclic Loading/ <i>G Ramesh, Ravindra Gettu and B H Bharatkumar</i> (v.4 p.119)
15:30	17:00	Characterization of Building Derived Materials for Ground Improvement of Contaminated Soils/ <i>Stuti Mondal, Arkamitra Kar, Anasua Guharay and Naveen James</i> (v.2 p.65)	Influence of Lime Stabilized Lake Sediments as Fine Aggregates in Cement Mortar/ <i>P Priyadharshini, K Ramamurthy and R G Robinson</i> (v.3 p.183)	Gaussian Trends in Corrosion Morphologies of Reinforcing bar in Concrete under Marine Environment/ <i>S Muthulingam</i> (v.3 p.425)	Effect of Prestress on the Bond Strength of Pretensioned Concrete Systems/ <i>Prabha Mohandoss and Radhakrishna G Pillai</i> (v.4 p.153)
		How to Control the Quality of Concrete Strength Estimates Derived from NDT Measurements and Conversion Models/ <i>Denys Breysse, Maitham Alwash and Zoubir Mehdi Sbartaï</i> (v.3 p.517)	The Full Utilization of Recycled Concrete Aggregates Produced Using the Microwave Beneficiation Technique in Combination With Carbon Sequestration/ <i>Ashokreddy Annapareddy, Lin Jie and K C Gary Ong</i> (v.4 p.305)	A Bayesian Approach to Assess the Influence of Coarse Aggregate on the Chloride Test Outcome/ <i>Naga Pavan Vaddey, Mahmoud Shakouri and David Trejo</i> (v.2 p.393)	Effects of Span to Bonded Length of CFRP on Flexural Performance of CFRP/ Concrete Composites/ <i>P M Ekanayake, J C P H Gamage and U N D Perera</i> (v.4 p.161)
		Micro-analytical Characterisation of Concrete Deterioration due to Acid Attack in a Sewage Treatment Plant/ <i>Ramaswamy K. P, Sivakumar R, Manu Santhanam and Ravindra Gettu</i> (v.2 p.647)	Effect of Type of Binder on the Behavior of High Strength Lightweight Aggregate/ <i>Manu S Nadesan and Dinakar Pasla</i> (v.3 p.135)	Ageing Factors in 100 Years Old Concrete of Panama Canal / <i>C Andrade, N Rebolledo, R Perez, M Baz</i> (v.4 p.233)	Behaviour of Clay Brick Masonry with Soft Brick Under Uniaxial Compression/ <i>G Pruthvi Raj and Kolluru V L Subramaniam</i> (v.3 p.577)
		Durability of Bagasse Ash based Cementitious Systems in Acidic Environment/ <i>Ramaswamy K P, Satyanarayana Rao N and Manu Santhanam</i> (v.4 p.243)	Mix Proportioning for Structural Concrete Containing Recycled Concrete Aggregates/ <i>Marco Pepe, Romildo Dias Toledo Filho, Eduardus A B Koenders and Enzo Martinelli</i> (v.2 p.179)		Experimental Investigation of Compressive Failure in Masonry brick Assemblages made with Soft Brick/ <i>Mehar Babu Ravula and Subramaniam Kolluru</i> (v.2 p.339)

Start time	End time	Friday, 8 September 2017, AT IIT MADRAS			
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09:00	18:30	Carmen Andrade Workshop on Corrosion Control of Concrete Structures (C3S) at IC&SR Auditorium			
09:00	18:00	Lugia Binda Memorial Workshop on NDT and Safety Assessment of RC and Masonry Structures at Central Lecture Theatre (CLT)			