


Concrete Institute of Australia's Biennial National Conference 2021
SUNDAY 05 September 2021 - WEDNESDAY 08 September 2021
Virtual Event

Sunday 5 September 2021
All times are in AEST

15:00	Opening Ceremony Rodney Paull, David Millar, Shan Kumar			
15:15	Keynote Presentation 1: Prof Richard Buswell (40 mins + 5 mins Q&A) 3D concrete printing: past present and future Moderator: Rodney Paull			
16:00	Partner chats			
	Breakout A: Concrete Properties Moderator: Farhad Aslani	Breakout B: Durability Moderator: John Nichols	Breakout C: High Performance Concrete Moderator: Michael van Koeverden	Breakout D: Infrastructure Moderator: Sherard Northey
16:15	A Study On Creep Property Of Concrete With Fly Ash As A Part Of Cement Mr Zihao LIU	Innovative Cathodic Protection Systems For The Protection Of Reinforced Concrete Structures Mr Nick CRITCHLEY	The Development Of All-lightweight Scc With High Strength Incorporating Hybrid Fibers. Mr Huiyuan LIU	Specialist To Detail – The Industry Gap In Substructures Mr Phil AIREY
16:30	Does High-volume Fly Ash Or Slag Replacement Make Concrete More Susceptible To Cracking? Mr Yingda ZHANG	Evaluation Of The Durability Of New Vertical Automated Cast Concrete Pipe Against Machine-made Concrete Pipe Mr Americo DOS SANTOS	Damage Progression Rate And Cracking Performance Of steel Fibre Reinforced Self-compacting Cementitious Composites Under Cyclic Loading Mr Ayoub DEGHANI	Design And Construction Of The Bruce Highway Upgrade, Caloundra Road To Sunshine Motorway Mr Eoin O'DONOVAN
16:45	Experimental And Computational Assessment Of Durability Of Geopolymer Concrete In Corrosive Environments Dr Ali HADIGHEH	Glass Fibre Reinforced Polymer Bar – Durability And Structural Design Dr Anthea AIREY, Mr Darshan SHANKAR	Shrinkage Of Uhpcc Incorporating Low-c3a Cement And Ground Granulated Blast-furnace Slag Mr Tanvir Ahmed	Karel Avenue Upgrade - The Extension And Widening Of The Existing Grade Separation Over The Rail With The New Bridge No. 1595a Mr Giuseppe DE FILIPPO
17:00	Shrinkage Behaviour Of High Strength Slag Blended Cement-based Concrete Ms Sumaiya AFROZ	Characterisation of Caltite Performance in a 50 Year Old Concrete Roof Dr Michael CHALLENGOR	Mechanical Behavior Of Industrial Waste Product Based Ultra-high Performance Seawater And Sea-sand Concrete Mr Shameer SALEH	Performance And Mechanisms Of A Novel And Highly Corrosion-resistant Bio-concrete For Wastewater Infrastructure Dr Guangming JIANG
17:15	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
17:30	Invited Speaker Presentation 1: Mr John Hilton (25 mins + 5 mins Q&A) Concrete Bridges in the New Millenium: The Imperative for Innovation Moderator: Rodney Paull			
18:00	Virtual Happy Hour And Trivia: Concrete In Australia Facilitators: David Millar and Daksh Baweja Sponsored by: 			

Concrete Institute of Australia's Biennial National Conference 2021

Monday 6 September 2021
All times are in AEST

9:30	A Study On Aggregate Selection For Fire Resistance Concrete For Tunnel Lining Mr Sarvesh MALI A Case Study On Temperature (peak And Differential) Monitoring For Potential early Age Concrete Cracking Mr Sarvesh MALI Bibliometric Review Of Machine Learning Use To Predict The Compressive Strength Of Concrete Formulations. Miss Jessica Fall CHAVES Moderator: Jemma Ehsman
9:50	Poster Session: Interactive Q&A Panel
10:00	Welcome Address Shan Kumar
10:15	Keynote Presentation 2: Dr Akio Kasuga (40 mins + 5 mins Q&A) A Challenging Concrete Structure for a Low Carbon Society Moderator: Shan Kumar
11:00	Partner chats (includes 5 mins Desk Yoga)

Concrete Institute of Australia's Biennial National Conference 2021

Monday 6 September 2021

All times are in AEST

	Breakout A: Concrete Materials Moderator: John Nichols	Breakout B: Sustainability Moderator: Rebecca Gravina	Breakout C: Case Studies & Major Projects Moderator: John Clancy	Breakout D: Sponsors Showcase Moderator: David Millar
11:15	The Effect Of Calcium Silicate Hydrate (c-s-h) Nanoparticles Admixture On Concrete Properties And Associated Ghg Emissions Dr Behnaz ZARIBAF, Dr Shubhada GADKAR	Improving Embodied Emission Rating Tools For Concrete: Design And Constructional Considerations Mr Alexis Joel SCHTEINMAN	Ppa Tower Fell - Case Study Mr David LEWIS	Innovations In Precast Concrete Connections Mr Ian MACRAE APTUS
11:30	Electrically Conductive Cement Composites For Self-sensing Structural Health Monitoring Applications Dr Alastair MACLEOD	The Philosophy Of Engineering Mr Douglas JENKINS	World's Longest Pumping Distance Of Macro Synthetic Fibre Reinforced Concrete To Build Perth's Forrestfield Airport Link Tunnel Trackslab Mr Todd CLARKE	Enhanced Performance Of Concrete With Use Of Carbon Nanotube Enriched Liquid Additive Ms Tasha EAGLE FOSROC
11:45	Properties Of Concretes Made With Cements Incorporating Increased Levels Of Limestone Dr Ahmad SHAYAN	Durability Of Crumbed Rubber Concrete - Chloride And Carbonation Ingress Mr Mark ELLIS	Design Of Reinforced Concrete Structures To Mitigate Electrical Hazards And Electrolysis Effects For Dc Traction Infrastructure Mr Satyajit DATAR, Dr Ulf KREHER, Mr Daniel TOFFUL, Mr Jeff RUSSELL	Minimizing Shut Down Timeframes With Controlled Rapid Strength Development Using Existing Ready-mix Practices – Sikarapid-600 System Mr Nicola ZUPPELLI SIKA AUSTRALIA
12:00	Improving Early Age Strength Of High-volume Fly Ash Concrete By Nano Calcium Silicate Hydrate, Calcium Formate And Hydrated Lime Mr Rick ZHANG	Long Term Durability Assessment Of Concrete Using Recycled Glass Sand In Bridge Constructions Mr Simon MURCOTT	Design Innovations For Large Scale Buildings: Karrinyup Shopping Centre Case Study Mr Tynan LUZUK	Best Practice In Joint Management For Heavy Duty Pavements Andrew McFarland REID CONSTRUCTION SOLUTIONS
12:15	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
12:30	Partner chats			
	Breakout A: AAC & Geopolymer Moderator: Des Chalmers	Breakout B: Durability Moderator: Rodney Paull	Breakout C: Concrete Design Moderator: Doug Jenkins	Breakout D: Digital Innovations in Concrete Moderator: Shan Kumar
13:30	Mechanical Properties Of Geopolymer Mortars Activated With Laboratory-made Sodium Silicate Mr Tariq AZIZ	fib Model Code 2020 - Condition Limit States And Target Reliabilities For Durability Design Mr Frank PAPWORTH	Experimental And Numerical Study On Unequal Lateral Impact Behavior Of Rc Square Members Mr Khalil AL-BUKHAITI	2d Vision-based Crack Detection In Concrete Structures: Improving The Generalisation Ability Mr Elyas ASADI SHAMSABADI, Dr Ali HADIGHEH
13:45	Long-term Mechanical Properties Of Alkali-activated Clay Concrete Mr Morteza TAHMASEBI YAMCHELOU	A Review Of Chloride Damage Modelling At Port Of Brisbane Mr Greg VAN ROOYEN	The Behaviour Of Concrete Columns And Beams Reinforced With Gfrp Bars And Spirals Under Axial, Eccentric And Flexural Loading Dr Mohamed ELCHALAKANI	Digital Design Computing And Modelling For 3-d Concrete Printing Dr Jonathan TRAN
14:00	Set-on-demand Approaches For Geopolymers In Concrete 3D Printing Dr Sayanthan RAMAKRISHNAN	Concrete Cover – The What, Where And When Dr David MCDONALD	Linear Elastic Performance Based Design With Modulus Of Rupture Characterization Mr Luke PINKERTON	Monitoring Concrete Structures With Optical Fiber Sensors Mr Quentin POCHEZ
14:15	Experimental Investigation On The Effect Of The Activators On The Plastic Viscosity And Yield Stress Of Alkali-activated Materials Mr Mohammed Fouad ALNAHAL, Dr Taehwan KIM	Protocols Development For Reinforced Concrete Corrosion In Marine Environs Dr Erandi ARIYACHANDRA	Analysis And Design Of Reinforced Concrete Piers Against Vehicle Impact Mr Tin V. Do CIA National Bursary Winner	Digital Transformation For The Reinforcing Steel Supply Chain Mr Lee Brankley
14:30	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
14:45	Partner chats			
	Breakout A: Concrete Materials Moderator: Gary Goodall	Breakout B: Durability Moderator: Anthea Airey	Breakout C: Concrete Design Moderator: James de Burgh	Breakout D: Precast, Prefabricated and Modular Moderator: Rod Mackay Sim
15:15	The Hybrid Effect Of Micro Steel And Carbon Fibres On Mechanical, Electrical And Piezoresistive Properties Of Cementitious Composites Miss Lining WANG	Assessing Structural Performance Of Existing Concrete Structures Damaged By Asr Mr Thuc Nhu NGUYEN	The Chemistry Of Chemical Anchors: How Different Chemical Formulae Affect The Installability And Long-term Performance Of Chemical Anchors Mrs Kate STORER, Mr Tim HOLMES	Prefab Modular Construction In High-rise Building Prof Shan KUMAR
15:30	Utilisation Of Glass Waste Fines In Concrete: As Partial Replacement Of Sands Dr Madhuwanthi Rupasinghe ARACHCHIGE	Reactive Aggregate Fines As Alternative Supplementary Cementitious Material For Alkali-silica Reaction (asr) Mitigation Miss Elsie NSIAH-BAAFI	Particles Packing In Ultra-sustainable Concrete With High Scm Content Mr Zhe SONG	Investigation Of Ambient-cured Gpc Dry And Monolithic Beam-column Joints Using Cfrp Bolts Under Cyclic Loading Dr Thong M PHAM
15:45	Effect Of Carbon And Steel Fibre In Cementitious Composites On Electromagnetic Interference Shielding Mr Dimuthu WANASINGHE	Proposal Of Early-opening-to-traffic Concrete Pavements In Consideration Of Fly Ash As A Part Of The Fine Aggregate Dr Huu Quoc Hung NGUYEN, Mr Takuya SASAKI, Prof Koichi MAEKAWA	Managing Tolerances And Alignment Of Connections In Modern Concrete And Steel Construction Mrs Kate STORER, Mr Ian FERRIER	Finite Element Analysis Of Concrete Sandwich Panels Made With Frp Vierendeel-truss Connectors Dr Ehab HAMED
16:00	The Validity Of Existing Models For The Mechanical Performance Of Medical Waste Plastic Contained Concrete Mr Saman RAHIMI RESKATI	Role Of Flyash In Mitigating Durability Issues Owing To Curing Cement Systems At Elevated Temperature Dr Yogesh Kumar RAMU	A Case Study Of Fire Damage In Concrete Using Petrographic Techniques Mr Kenneth SPRING	Advancements In Concrete Technology For Offsite Manufactured Buildings And Infrastructure Systems Mr Thushara JAYASINGHE
16:15	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel


Concrete Institute of Australia's Biennial National Conference 2021

Monday 6 September 2021
All times are in AEST

16:30	<p>Invited Speaker Presentation 2: Dr Stuart Matthews (25 mins + 5 mins Q&A) Mc2020: fib Model Code For Concrete Structures -sustainability, Pba And Carbon - Implications For Design And Life-cycle Management Of New And Existing Concrete Structures Moderator: Robert Kilgour - BG&E Sponsored by: </p>
17:00	<p>Virtual Happy Hour And Trivia: Excellence in Concrete Facilitators: David Millar and Daksh Baweja Sponsored by: </p>

Concrete Institute of Australia's Biennial National Conference 2021

Tuesday 7 September 2021
All times are in AEST

9:30	<p>Stabilised Base With Soil-cement, For Unpaved Roads "ruta Del Cacao" Guayas-ecuador Dr Natividad Garcia-Troncoso Axial Compressive Stress-strain Behaviour Of Cfrp Confined Light Weight Concrete Mr Waleed NAWAZ Mechanical Behavior Of Simply-supported Steel-concrete Composite Slabs: A Literature Review Prof Carol REZENDE Moderator: Scott Menegon</p>			
9:50	<p>Poster Session: Interactive Q&A Panel</p>			
10:00	<p>Welcome Address Rodney Paull</p>			
10:15	<p>Keynote Speaker Presentation 3: Mrs Marion Fulker AM (40 mins+5mins Q&A) Disrupted: The Future of Cities and Work Moderator: Rodney Paull</p>			
11:00	<p>Partner chats (includes 5 mins Mindful Meditation)</p>			
	<p>Breakout A: Reinforcement Moderator: John Nichols</p>	<p>Breakout B: Sustainability Moderator: Warren South</p>	<p>Breakout C: Standards & Specifications Moderator: Jonathan Dyson</p>	
11:15	<p>Post Tensioning Scheme For The Australian Construction Sector Mr Lyn Morgan</p>	<p>Utilization Of CO2 In Ready Mixed Concrete Production: A Project Case Study Mr Sean MONKMAN</p>	<p>Don't Break The Reo Quality Chain Mr Scott MUNTER</p>	
11:30	<p>Time Dependent Behaviour Of Frc Flexural Members: An Experimental Study Mr Murray WATTS</p>	<p>Recycling Of Automotive Vehicle's Waste Glass To Develop Sustainable Glass Foam Using A Curing-sintering Process Mrs Avesha SIDDIKA</p>	<p>Changes To Australian Standards To Better Utilise Higher Strength Reinforcing Steels Mr Anthony NG</p>	
11:45	<p>Combined Reinforcing For Concrete - Not Just For Heavy Duty Pavements Mr Craig ROBERTS</p>	<p>Use Of Recovered Olivine-silica In Portland Cement Based Mortars Mr Vineet SHAH</p>	<p>Performance Of Cast-in And Post-installed Anchors In Early Age Concrete Dr Tilak POKHAREL</p>	
12:00	<p>Interactive Q&A Panel</p>	<p>Biomass Based Pce Superplasticizer Admixture Technology Mr Greg LANGTON</p>	<p>Supplementary Cementitious Materials Part 4: Pozzolans – Manufactured Mr Craig HEIDRICH</p>	
12:15		<p>Interactive Q&A Panel</p>	<p>Interactive Q&A Panel</p>	
12:30	<p>Partner chats</p>			
13:30	<p>Invited Speaker Presentation 3: Mr Oscar Antommattei (25 mins + 5 mins Q&A) Thermal Aspects of Concrete in Design and Construction: A View of the North America Experience Moderator: Jonathan Dyson - BCRC Sponsored by: </p>			

Concrete Institute of Australia's Biennial National Conference 2021

Tuesday 7 September 2021

All times are in AEST

	Breakout A: Reinforcement Moderator: David Millar	Breakout B: Durability Moderator: James Aldred	Breakout C: Standards & Specifications Moderator: Doug Jenkins	Breakout D: Inspection & Testing Jemma Ehsman
14:00	Bond Between Steel Reinforcements And Crumb Rubber Concrete: An Experimental Study Prof Rebecca GRAVINA	Prediction Of Carbonation Of Concrete: The Influence Of Cement Bogue Compositions Mr Sean WINDRED	Concrete Filtration Testing To Assess The Risk Of Concrete Bleeding In Bored Piles Dr Martin LARISCH	Quantifying Alkali - Silica Reaction In Concrete: Damage Rating Index Mr Dan CUKIERSKI
14:15	Fibre-reinforced Ambient-cured Geopolymer Concrete For Sustainable And Resilient Structures: From Experiment To Analytical Predictions Mr Tung TRAN, Dr Thong M. PHAM	Durability Design Concrete Early-age Thermal Temperature Modelling Prediction, Site Monitoring And Re-assessment Mr Rodney PAULL	What Is New In AS 5216:2021 And Why It Matters Dr Tilak POKHAREL	X-ray Micro Ct For Quality Control Of Fibre Reinforced Concrete Structures: Benefits And Challenges Mr Lakshminarayanan MOHANA KUMAR
14:30	Ultimately, Reinforcement Bars May Not Be Equal. Mr Rod MACKAY SIM, Mr Andreas BOOMKAMP	High Early Strength Gain Low-carbon Concrete: A Microstructure Study Dr Marie Joshua TAPAS	Reinforced Concrete Rigid Connections With Post-installed Starter Bars Considering An Improved Bond-splitting Model Mr Balazs KAKNICS	Ground Penetrating Radar The Swiss Army Knife Of Non-destructive Testing For Concrete Structures Mr Reuben BARNES
14:45	Hybrid Gfrp-steel Reinforced Concrete Beams Dr Khodamorad NABAKI	The Influence Of Limestone Mineral Addition In Combination With Cement Kiln Dust On Chloride Ion Ingress Dr Bernard (Tom) BENN	Testing Requirements For Epoxy Bonded Anchors To Achieve 100-year Design Life Vs 50-year Design Life And Durability Mr Andrew COUMAROS	Correlation Between Existing Test Methods For Assessing Alkali-silica Reaction Of Aggregates Miss Elsie NSIAH-BAAFI
15:00	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
15:15	Partner chats			
	Breakout A : Concrete Properties Moderator: Luke Menefy	Breakout B: Durability Moderator: Marie Joshua Tapas	Breakout C: Concrete Design Moderator: Sherard Northey	Breakout D: Sustainability Moderator: Zoe Schmidt & Daksh Baweja
15:45	Mix Design And Properties Of Coral Aggregate Concrete For Oceania Islands Dr Tatheer ZAHRA	Condition Testing, Risk Analysis And Life Cycle Costing For Assessing Of Repair Options, Including Sacrificial Anode Cathodic Protection, For Reinforced Concrete Marine, Swimming Pool And Magnesite Floor Structures Mr Gulraiz IJAZ	The Design For Punching Shear In Concrete Slabs To AS5100.5 Bridge Design Mr Peter BURNTON, Mr Peter STATTON	Smartcrete - Enabling Strong, Relevant Research Dr Warren SOUTH
16:00	Effect Of Aggregate Size And Distribution On The Basic Creep Of Concrete - An Image-based Meso-scale Analysis Mr Sen ZHANG	Ductility And Softening Of Reinforced Concrete Flexural Members Mr Angelo THURAIRAJAH	Unnecessary Design, Inadequate Detailing, And Lack Of Periodic Inspection Of Concrete Buildings During Construction Mr John WOODSIDE	Paintback and SmartCrete Salwan AL-ASSAFI
16:15	Mechanical Properties Of Self-compacting Concrete With Three-dimensional (3d) Steel Fibres Mr Jeffri RAMLI	Durability Assessment Of Green Concrete Containing Medical Waste Plastic Mr Saman RAHIMI RESKATI	Punching Shear Strength Of Slabs Including Double-headed Studs – Critical Review Of Aci 318-14 And Australian Design Provisions Prof Marcus RICKER, Mr Andreas BOOMKAMP	TfNSW and SmartCrete Harish SRIVANSTAVA
16:30	Interactive Q&A Panel	Full-scale Simulation And Verification For Mitigation Of Early-age Cracking In Durable Rc Deck Slab On Multiple Span Steel Box Girder Mr T. Ngoc PHAN	Uls Design Of Non-rectangular Sections; A Comparison Of Australian And International Code Provisions Mr Douglas JENKINS	SmartCrete research case study Michael WITHFORD
16:45		Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
17:00	Virtual Happy Hour And Trivia: In The Mix Facilitator: David Millar			
17:30	Awards for Excellence 2021 and Entertainment Facilitators: David Millar and John Nichols			

Concrete Institute of Australia's Biennial National Conference 2021

Wednesday 8 September 2021
All times are in AEST

9:30	Comprehensive Review Of Need For User Friendly Geopolymer Concrete Ms Sherin RAHMAN Impact Of High Content Of Waste Glass On Self-compacting Concrete Dr Xuemei LIU A Study On Properties And Fine Porosity Structure Of Fly Ash Concrete with Limestone Aggregate Mr Yusuke YAMAZAKI Moderator: Marie Joshua Tapas			
9:45	Poster Session: Interactive Q&A Panel			
10:00	Welcome Address David Millar			
10:15	Keynote Presentation 4: Dr Kefei Li (40 mins + 5 mins Q&A) Durability design, control and planning for concrete structures: Practice from China Moderator: John Brooks Sponsored by: 			
11:00	Partner chats (includes 5 mins Desk Yoga)			
	Breakout A: Concrete Materials Moderator: John Nichols	Breakout B: Durability Moderator: Frank Papworth	Breakout C: Buildings Moderator: Farhad Aslani	Breakout D: Repair & Retrofit Moderator: Tasha Eagle
11:15	Technical Paper - Experimental Investigation On The Strength Behavior Of Plastic Pet Fiber Concrete Mr Samuela Loaloe VUKICEA	Review Of Deemed-to-satisfy Provisions In Australian Standards By Using Fully Probabilistic Model: Durability Of Reinforced Concrete Structures Exposed To Chloride Dr Herman JONG	Numerical Investigation On Two-way Action Of An Innovative Corrugated Composite Slab Configuration Ms Keerthana JOHN	Flexure Behaviour Of All Light Weight Reinforced Concrete Beams Externally Strengthened With Cfrp Laminates. Mr Waleed NAWAZ
11:30	A Study On The Influence Of Curing Program On Hydration Reaction And Mechanical Properties Of Mortar With Modified Fly Ash By Flotation Method Mr Shilun LIU	The Application Of Chloride Diffusion And Chloride Migration Testing On Projects To Evaluate Concrete Durability: research needs Mr Jason CHANDLER	Feasibility Study Of A Novel Composite Slim Flooring System With Two-way Corrugated Steel Decking Ms Keerthana JOHN	Hay St Perth Art Deco Heritage; Carbonation And Chloride Observations; Restoration And Adaptive Re-use Dr Anthea AIREY
11:45	The Impact Of Chemical Admixtures On Cement Hydration For Early Age Strength Enhancement Miss Brooke MANSELL	Comparison of Actual and Predicted Long Term Chloride Durability of Concrete Containing Significant Quantities of Supplementary Cementitious Materials Mr Jason CHANDLER	Tall Residential Buildings – Practical Implementation Of Design Concepts And Code Requirements Prof Marina TRAYKOVA	West Gate Bridge - Eastern Approach Slab Jacking Mr John NOONAN
12:00	Toward The Development Of Sustainable Concrete With Post-consumer Plastics: A Case Study Prof Rebecca GRAVINA	Effects Of Different Integral Hydrophobic Admixtures On The Properties Of Concrete Mr Soheil JAHANDARI	Vibration Analysis Of A High-rise Building Under Construction - Study Of A Full-scale Application Mrs Shohreh ALAEDINI	Leaking Concrete Structures – The Beginning Of The End? Ms Udaya SATHIAMURTHY
12:15	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
12:30	Partner chats			
13:30	Invited Speaker Presentation 4: Prof Stephen Foster (25 mins + 5 mins Q&A) To Carbon Neutral Concrete Construction through Technology and developments of National Building Standards Moderator: Sherard Northey			
	Breakout A: Concrete - General Moderator: Thong Pham	Breakout B: Durability Moderator: John Nichols	Breakout C: Specification & Standards Moderator: Shan Kumar	
14:00	Reaction Kinetics In Alkali-activated Slag: Effect Of Minor Oxides Mr Abdelrahman HAMDAN	Alternative Test Method For Assessing Alkali-silica Reaction (asr) And The Efficacy Of Supplementary Cementitious Materials In Asr Mitigation Dr Marie Joshua TAPAS	Special Session - International Update On Formal Durability Planning In Design, Construction And Operational Maintenance & CIA Z7 Durability Recommended Practices Update Mr Rodney Paull Special Session - fib Model Code 2020 Durability Update Mr Frank Papworth	
14:15	Filigree Concrete: The Architecture Of Fibres Mr Ioulios GEORGIU	Calorimetric Study Into The Role Of Alkali And Sulfate In The Early Hydration Of Heat-cured Gp Cements And Associated Susceptibility To Def Mr Liam MARTIN		
14:30	Examination Of Asset Management Procedures In A Local Government Office And Its Correlation To Good Governance Dr Andrew WHYTE	Evaluation Of Effect Of Alkali Concentration On Asr Development In Ambt Mr Brendan BOYD-WEETMAN		
14:45	Further Development Of New Supplementary Cementitious Materials From Lithium Residues Mr Bob MUNN	Prevention Of Alkali-silica Reaction In Massive Concrete Structures: Laboratory And Field Correlation Dr João CUSTÓDIO		
15:00	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	
15:15	Closing Ceremony			