


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

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Monday 6 September 2021  
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9:30	A Study On Aggregate Selection For Fire Resistance Concrete For Tunnel Lining <b>Mr Sarvesh MALI</b> A Case Study On Temperature (peak And Differential) Monitoring For Potential early Age Concrete Cracking <b>Mr Sarvesh MALI</b> Bibliometric Review Of Machine Learning Use To Predict The Compressive Strength Of Concrete Formulations. <b>Miss Jessica Fall CHAVES</b> Moderator: Gemma Ehsman
9:50	Poster Session: Interactive Q&A Panel
10:00	Welcome Address Shan Kumar
10:15	<b>Keynote Presentation 2: Dr Akio Kasuga (40 mins + 5 mins Q&amp;A)</b> <b>A Challenging Concrete Structure for a Low Carbon Society</b> Moderator: Shan Kumar
11:00	Partner chats (includes 5 mins Desk Yoga)

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

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

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Tuesday 7 September 2021  
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9:30	<p>Stabilised Base With Soil-cement, For Unpaved Roads "ruta Del Cacao" Guayas-ecuador  <b>Dr Natividad Garcia-Troncoso</b>                      Axial Compressive Stress-strain Behaviour Of Cfrp Confined Light Weight Concrete  <b>Mr Waleed NAWAZ</b>                      Mechanical Behavior Of Simply-supported Steel-concrete Composite Slabs: A Literature Review  <b>Prof Carol REZENDE</b>                      Moderator: Scott Menegon</p>			
9:50	<p>Poster Session: Interactive Q&amp;A Panel</p>			
10:00	<p>Welcome Address  <b>Rodney Paull</b></p>			
10:15	<p>Keynote Speaker Presentation 3: Mrs Marion Fulker AM (40 mins+5mins Q&amp;A)  <b>Disrupted: The Future of Cities and Work</b>                      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 &amp; Specifications                      Moderator: Jonathan Dyson</p>	<p>Breakout D: Concrete Properties                      Moderator: Farhad Aslani                      REPLAY</p>
11:15	<p>Post Tensioning Scheme For The Australian Construction Sector  <b>Mr Lyn Morgan</b></p>	<p>Utilization Of CO2 In Ready Mixed Concrete Production: A Project Case Study  <b>Mr Sean MONKMAN</b></p>	<p>Don't Break The Reo Quality Chain  <b>Mr Scott MUNTER</b></p>	<p>A Study On Creep Property Of Concrete With Fly Ash As A Part Of Cement  <b>Mr Zihao LIU</b></p>
11:30	<p>Time Dependent Behaviour Of Frc Flexural Members: An Experimental Study  <b>Mr Murray WATTS</b></p>	<p>Recycling Of Automotive Vehicle's Waste Glass To Develop Sustainable Glass Foam Using A Curing-sintering Process  <b>Mrs Ayesha SIDDIKA</b></p>	<p>Changes To Australian Standards To Better Utilise Higher Strength Reinforcing Steels  <b>Mr Anthony NG</b></p>	<p>Does High-volume Fly Ash Or Slag Replacement Make Concrete More Susceptible To Cracking?  <b>Mr Yingda ZHANG</b></p>
11:45	<p>Combined Reinforcing For Concrete - Not Just For Heavy Duty Pavements  <b>Mr Craig ROBERTS</b></p>	<p>Use Of Recovered Olivine-silica In Portland Cement Based Mortars  <b>Mr Vineet SHAH</b></p>	<p>Performance Of Cast-in And Post-installed Anchors In Early Age Concrete  <b>Dr Tilak POKHAREL</b></p>	<p>Experimental And Computational Assessment Of Durability Of Geopolymer Concrete In Corrosive Environments  <b>Dr Ali HADIGHEH</b></p>
12:00	<p>Interactive Q&amp;A Panel</p>	<p>Biomass Based Pce Superplasticizer Admixture Technology  <b>Mr Greg LANGTON</b></p>	<p>Supplementary Cementitious Materials Part 4: Pozzolans – Manufactured  <b>Mr Craig HEIDRICH</b></p>	<p>Shrinkage Behaviour Of High Strength Slag Blended Cement-based Concrete  <b>Ms Sumalya AFROZ</b></p>
12:15		<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>
12:30	<p>Partner chats</p>			

13:30	<p><b>Invited Speaker Presentation 3: Mr Oscar Antommattel (25 mins + 5 mins Q&amp;A)</b>  <b>Thermal Aspects of Concrete in Design and Construction: A View of the North America Experience</b>  Moderator: Jonathan Dyson - BCRC  Sponsored by:</p> 			
<p><b>Concrete Institute of Australia's Biennial National Conference 2021</b>  <b>Tuesday 7 September 2021</b>  <i>All times are in AEST</i></p>				
	<b>Breakout A: Reinforcement</b> Moderator: David Millar	<b>Breakout B: Durability</b> Moderator: James Aldred	<b>Breakout C: Standards &amp; Specifications</b> Moderator: Doug Jenkins	<b>Breakout D: Inspection &amp; Testing</b> Jemma Ehsman
14:00	Bond Between Steel Reinforcements And Crumb Rubber Concrete: An Experimental Study <b>Prof Rebecca GRAVINA</b>	Prediction Of Carbonation Of Concrete: The Influence Of Cement Bogue Compositions <b>Mr Sean WINDRED</b>	Concrete Filtration Testing To Assess The Risk Of Concrete Bleeding In Bored Piles <b>Dr Martin LARISCH</b>	Quantifying Alkali - Silica Reaction In Concrete: Damage Rating Index <b>Mr Dan CUKIERSKI</b>
14:15	Fibre-reinforced Ambient-cured Geopolymer Concrete For Sustainable And Resilient Structures: From Experiment To Analytical Predictions <b>Mr Tung TRAN, Dr Thong M. PHAM</b>	Durability Design Concrete Early-age Thermal Temperature Modelling Prediction, Site Monitoring And Re-assessment <b>Mr Rodney PAULL</b>	What Is New In AS 5216:2021 And Why It Matters <b>Dr Tilak POKHAREL</b>	X-ray Micro Ct For Quality Control Of Fibre Reinforced Concrete Structures: Benefits And Challenges <b>Mr Lakshminarayanan MOHANA KUMAR</b>
14:30	Ultimately, Reinforcement Bars May Not Be Equal. <b>Mr Rod MACKAY SIM, Mr Andreas BOOMKAMP</b>	High Early Strength Gain Low-carbon Concrete: A Microstructure Study <b>Dr Marie Joshua TAPAS</b>	Reinforced Concrete Rigid Connections With Post-installed Starter Bars Considering An Improved Bond-splitting Model <b>Mr Balazs KAKNICS</b>	Ground Penetrating Radar The Swiss Army Knife Of Non-destructive Testing For Concrete Structures <b>Mr Reuben BARNES</b>
14:45	Hybrid Gfrp-steel Reinforced Concrete Beams <b>Dr Khodomorad NABAKI</b>	The Influence Of Limestone Mineral Addition In Combination With Cement Kiln Dust On Chloride Ion Ingress <b>Dr Bernard (Tom) BENN</b>	Testing Requirements For Epoxy Bonded Anchors To Achieve 100-year Design Life Vs 50-year Design Life And Durability <b>Mr Andrew COUMAROS</b>	Correlation Between Existing Test Methods For Assessing Alkali-silica Reaction Of Aggregates <b>Miss Elsie NSIAH-BAAFI</b>
15:00	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
15:15	Partner chats			
	<b>Breakout A : Concrete Properties</b> Moderator: Luke Menefy	<b>Breakout B: Durability</b> Moderator: Marie Joshua Tapas	<b>Breakout C: Concrete Design</b> Moderator: Sherard Northey	<b>Breakout D: Sustainability</b> Moderator: Zoe Schmidt & Daksh Baweja
15:45	Mix Design And Properties Of Coral Aggregate Concrete For Oceania Islands <b>Dr Tatheer ZAHRA</b>	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 <b>Mr Gulraiz IIAZ</b>	The Design For Punching Shear In Concrete Slabs To AS5100.5 Bridge Design <b>Mr Peter BURNTON, Mr Peter STATTON</b>	Smartcrete - Enabling Strong, Relevant Research <b>Dr Warren SOUTH</b>
16:00	Effect Of Aggregate Size And Distribution On The Basic Creep Of Concrete - An Image-based Mesoscale Analysis <b>Mr Sen ZHANG</b>	Ductility And Softening Of Reinforced Concrete Flexural Members <b>Mr Angelo THURAIRAJAH</b>	Unnecessary Design, Inadequate Detailing, And Lack Of Periodic Inspection Of Concrete Buildings During Construction <b>Mr John WOODSIDE</b>	Paintback and SmartCrete <b>Salwan AL-ASSAFI</b>
16:15	Mechanical Properties Of Self-compacting Concrete With Three-dimensional (3d) Steel Fibres <b>Mr Jeffri RAMLI</b>	Durability Assessment Of Green Concrete Containing Medical Waste Plastic <b>Mr Saman RAHIMI RESKATI</b>	Punching Shear Strength Of Slabs Including Double-headed Studs – Critical Review Of Aci 318-14 And Australian Design Provisions <b>Prof Marcus RICKER, Mr Andreas BOOMKAMP</b>	TfNSW and SmartCrete <b>Harish SRIVANSTAVA</b>
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 <b>Mr T. Ngoc PHAN</b>	Uls Design Of Non-rectangular Sections; A Comparison Of Australian And International Code Provisions <b>Mr Douglas JENKINS</b>	SmartCrete research case study <b>Michael WITHFORD</b>
16:45		Interactive Q&A Panel	Interactive Q&A Panel	Interactive Q&A Panel
17:00	<b>Virtual Happy Hour And Trivia: In The Mix</b> Facilitator: David Millar			
17:30	<b>Awards for Excellence 2021 and Entertainment</b> Facilitators: David Millar and John Nichols			

Concrete Institute of Australia's Biennial National Conference 2021

Wednesday 8 September 2021  
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9:30	<p>Comprehensive Review Of Need For User Friendly Geopolymer Concrete <b>Ms Sherin RAHMAN</b> Impact Of High Content Of Waste Glass On Self-compacting Concrete <b>Dr Xuemei LIU</b> A Study On Properties And Fine Porosity Structure Of Fly Ash Concrete with Limestone Aggregate <b>Mr Yusuke YAMAZAKI</b>  Moderator: Marie Joshua Tapas</p>			
9:45	<p>Poster Session: Interactive Q&amp;A Panel</p>			
10:00	<p>Welcome Address David Millar</p>			
10:15	<p>Keynote Presentation 4: Dr Kefei Li (40 mins + 5 mins Q&amp;A) Durability design, control and planning for concrete structures: Practice from China Moderator: John Brooks Sponsored by: <b>MASTER BUILDERS SOLUTIONS</b></p>			
11:00	<p>Partner chats (includes 5 mins Desk Yoga)</p>			
	<p>Breakout A: Concrete Materials Moderator: John Nichols</p>	<p>Breakout B: Durability Moderator: Frank Papworth</p>	<p>Breakout C: Buildings Moderator: Farhad Aslani</p>	<p>Breakout D: Repair &amp; Retrofit Moderator: Tasha Eagle</p>
11:15	<p>Technical Paper - Experimental Investigation On The Strength Behavior Of Plastic Pet Fiber Concrete <b>Mr Samuela Loaloa VUKICEA</b></p>	<p>Review Of Deemed-to-satisfy Provisions In Australian Standards By Using Fully Probabilistic Model: Durability Of Reinforced Concrete Structures Exposed To Chloride <b>Dr Herman JONG</b></p>	<p>Numerical Investigation On Two-way Action Of An Innovative Corrugated Composite Slab Configuration <b>Ms Keerthana JOHN</b></p>	<p>Flexure Behaviour Of All Light Weight Reinforced Concrete Beams Externally Strengthened With Cfrrp Laminates. <b>Mr Waleed NAWAZ</b></p>
11:30	<p>A Study On The Influence Of Curing Program On Hydration Reaction And Mechanical Properties Of Mortar With Modified Fly Ash By Flotation Method <b>Mr Shilun LIU</b></p>	<p>The Application Of Chloride Diffusion And Chloride Migration Testing On Projects To Evaluate Concrete Durability: research needs <b>Mr Jason CHANDLER</b></p>	<p>Feasibility Study Of A Novel Composite Slim Flooring System With Two-way Corrugated Steel Decking <b>Ms Keerthana JOHN</b></p>	<p>Hay St Perth Art Deco Heritage; Carbonation And Chloride Observations; Restoration And Adaptive Re-use <b>Dr Anthea AIREY</b></p>
11:45	<p>The Impact Of Chemical Admixtures On Cement Hydration For Early Age Strength Enhancement <b>Miss Brooke MANSELL</b></p>	<p>Comparison of Actual and Predicted Long Term Chloride Durability of Concrete Containing Significant Quantities of Supplementary Cementitious Materials <b>Mr Jason CHANDLER</b></p>	<p>Tall Residential Buildings – Practical Implementation Of Design Concepts And Code Requirements <b>Prof Marina TRAYKOVA</b></p>	<p>West Gate Bridge - Eastern Approach Slab Jacking <b>Mr John NOONAN</b></p>
12:00	<p>Toward The Development Of Sustainable Concrete With Post-consumer Plastics: A Case Study <b>Prof Rebecca GRAVINA</b></p>	<p>Effects Of Different Integral Hydrophobic Admixtures On The Properties Of Concrete <b>Mr Soheil JAHANDARI</b></p>	<p>Vibration Analysis Of A High-rise Building Under Construction - Study Of A Full-scale Application <b>Mrs Shohreh ALAEDINI</b></p>	<p>Leaking Concrete Structures – The Beginning Of The End? <b>Ms Udaya SATHIAMURTHY</b></p>
12:15	<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>
12:30	<p>Partner chats</p>			
13:30	<p>Invited Speaker Presentation 4: Prof Stephen Foster (25 mins + 5 mins Q&amp;A) To Carbon Neutral Concrete Construction through Technology and developments of National Building Standards Moderator: Sherard Northey</p>			
	<p>Breakout A: Concrete - General Moderator: Thong Pham</p>	<p>Breakout B: Durability Moderator: John Nichols</p>	<p>Breakout C: Specification &amp; Standards Moderator: Shan Kumar</p>	
14:00	<p>Reaction Kinetics In Alkali-activated Slag: Effect Of Minor Oxides <b>Mr Abdelrahman HAMDAN</b></p>	<p>Alternative Test Method For Assessing Alkali-silica Reaction (asr) And The Efficacy Of Supplementary Cementitious Materials In Asr Mitigation <b>Dr Marie Joshua TAPAS</b></p>	<p>Special Session - International Update On Formal Durability Planning In Design, Construction And Operational Maintenance &amp; CIA Z7 Durability Recommended Practices Update <b>Mr Rodney Paull</b></p>	
14:15	<p>Filigrée Concrete: The Architecture Of Fibres <b>Mr Ioulios GEORGIU</b></p>	<p>Calorimetric Study Into The Role Of Alkali And Sulfate In The Early Hydration Of Heat-cured Gp Cements And Associated Susceptibility To Def <b>Mr Liam MARTIN</b></p>	<p>Special Session - fib Model Code 2020 Durability Update <b>Mr Frank Papworth</b></p>	
14:30	<p>Examination Of Asset Management Procedures In A Local Government Office And Its Correlation To Good Governance <b>Dr Andrew WHYTE</b></p>	<p>Evaluation Of Effect Of Alkali Concentration On Asr Development In Ambt <b>Mr Brendan BOYD-WEETMAN</b></p>		
14:45	<p>Further Development Of New Supplementary Cementitious Materials From Lithium Residues <b>Mr Bob MUNN</b></p>	<p>Prevention Of Alkali-silica Reaction In Massive Concrete Structures: Laboratory And Field Correlation <b>Dr João CUSTÓDIO</b></p>		
15:00	<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>	<p>Interactive Q&amp;A Panel</p>	
15:15	<p>Closing Ceremony</p>			