

Programme



SUNDAY 02 OCTOBER 2022. 17:00 – 19:00: Registration and Welcome Function, GSB (V&A Waterfront)			
MONDAY 03 OCTOBER 2022			
Session	Venue A	Venue B	Venue C
1 (8:30 -10:00)	Conference Opening & KEYNOTE LECTURES		
Tea Break (10:00 – 10:30)			
2 (10:30 - 12:15)	Concrete durability: innovative materials and influence of material composition I	Modelling and prevention of reinforcement corrosion I	Structural repairs and strengthening
Lunch (12:15 -13:30)			
3 (13:30 – 14:45)	Degradation and condition assessment I	Concrete durability: innovative materials and influence of material composition II	Cathodic protection I
Tea break (14:45 – 15:15)			
4 (15:15 – 16:45)	Modelling and prevention of reinforcement corrosion II	Developments in concrete technology I	Cathodic protection II
17:45 – 19:30: Harbour Cruise			
TUESDAY 04 OCTOBER 2022			
5 (8:30 - 10:00)	KEYNOTE LECTURES		
Tea break (10:00 – 10:30)			
6 (10:30 - 12:15)	Non-destructive measurement and assessment techniques I	Repair methods, materials and techniques I	Fibre reinforced cementitious materials
Lunch (12:15 -13:30)			
7 (13:30 - 14:45)	Service life modelling and prediction of durability I	Degradation and condition assessment II	Patch repairs and bonded overlays I
Tea break (14:45 – 15:15)			
8 (15:15 - 16:45)	Developments in concrete technology II	Concrete durability: innovative materials and influence of material composition III	Service life extension: methods and materials
Conference Dinner 18:30			
WEDNESDAY 05 OCTOBER 2022			
9 (8:30 – 10:00)	KEYNOTE LECTURES		
Tea break (10:00 – 10:30)			
10 (10:30 -12:15)	Repair methods, materials and techniques II	Non-destructive measurement and assessment techniques II	Developments in concrete technology III
Lunch (12:15 -13:30)			
11 (13:30- 14:45)	Patch repairs and bonded overlays II	Service life modelling and prediction of durability II	Developments in concrete technology IV
Tea break (14:45 – 15:15)			
12 (15:15 - 16:45)	Supplier's session		
Closing Function 16:45 - 17:30			

MONDAY 03 OCTOBER 2022

Session 1 (8:30 -10:00) (Venue A)		
Conference Opening <i>Hans Beushausen, Mark Alexander, Pilate Moyo, Frank Dehn, Joanitta Ndawula</i>		
KEYNOTE LECTURES [Chair: Mark Alexander]		
Understanding the Durability of Concrete Containing SCMs <i>Karen Scrivener</i> Measuring, understanding, and forecasting reinforcing steel corrosion in concrete <i>Ueli Angst</i>		
Tea Break (10:00 – 10:30)		
Session 2 (10:30 – 12:15) [Chairs: Elsabe Kearsley (A), Mike Otieno (B), Michael Grantham (C)]		
Concrete durability: innovative materials and influence of material composition I	Modelling and prevention of reinforcement corrosion I	Structural repairs and strengthening
<p>Durability of untreated fine recycled aggregate concrete: a review <i>A. Gamieldeen, H. Beushausen, M.G. Alexander</i></p> <p>Chloride penetration resistance of fine recycled aggregate concrete <i>I. G. Amadi, H. Beushausen, M.G. Alexander, S. Surana</i></p> <p>Assessing the mechanical and durability performance of concrete made using recycled clay masonry rubble bricks (cmrb) as coarse aggregates <i>J. P. Kanjee, T. Sikkhahane, O. Tejane</i></p> <p>The effect of cement reduction on the mechanical and durability properties of concrete <i>R. Kiran, D. Londono Zuluaga, M. Serdar, K. Scrivener</i></p> <p>The influence of different modifying polymers on the mechanical properties of cement concrete within a defined service temperature range <i>A. Flohr, A. Osborn</i></p> <p>Factors influencing the electrical properties of ettringite binders <i>A. Tuinukuafe, J. Smith, L. Noor, J. H. Ideker, O. Burkan Isgor</i></p>	<p>Stability of Fe²⁺ in cementitious media <i>S. Mundra, D. Kunz, J. Tits, E. Wieland, U. Angst</i></p> <p>Toward a digital twin of the steel-concrete interface for numerical corrosion studies <i>T. Schmid, Z. Zhang, N. Ruffray, M. Griffa, O.B. Isgor, U. Angst</i></p> <p>Thermodynamic and kinetic considerations of corrosion product formation in cementitious media <i>F.E. Furcasa, B. Lothenbach, O.B. Isgor, S. Mundra, Z. Zhanga, U. Angst</i></p> <p>Testing the Bromide penetration resistance of concrete: substitution of NaCl by NaBr in Rapide chloride/Bromide Migration Test (RCM/RBM) <i>C. Langer, G. Kapteina</i></p> <p>Sustainable reinforced concrete for chloride exposures <i>S. Keßler, J. Wünsch, D. Cassiani</i></p> <p>Influence of alternative binders on the passivation of steel in mortar <i>R. Achenbach, M. Raupach</i></p>	<p>Actual achievements and future challenges of UHPFRC for structural rehabilitation of bridges <i>A. Reggia, I. Trabucchi, B.G. Leporace, A. Morbi, G.A. Plizzari,</i></p> <p>Shear strengthening of concrete T-beams with lateral layers of UHPC <i>Tongxu Liu, J.-P. Charron</i></p> <p>Numerical modelling of deep beams strengthened in shear with fabric-reinforced matrix composites <i>N. Khir Allah, T. El-Maaddawy, H. El-Hassan</i></p> <p>Study on the application of inorganic resin-based micro FRP bars in strengthening marine concrete structures <i>Shuai YANG, Ling-wang SU, Zong-quan YING, Mei-mei LIU</i></p> <p>Experimental testing on the structural capacity of coupling beams with non-anchored longitudinal bars <i>D. Torrealva, J. Arzapalo</i></p> <p>Flexural behaviour of RC beams strengthened using hybrid combination of CFRP laminates and UHPC overlay <i>B.T.M. Rao, R.R. Morthala, S.S. Prakash</i></p> <p>CFCM for strengthening potentials <i>G. Balasz, S. Solyon</i></p>
Lunch (12:15 -13:30)		

Session 3 (13:30 -14:45) [Chairs: Bart Craeye (A), Mette Geiker (B), Ueli Angst (C)]		
Degradation and condition assessment I	Concrete durability: innovative materials and influence of material composition II	Cathodic protection I
<p>Forensic investigation concerning inspection and diagnosis of condition of water storage systems in the Gulf <i>M. Grantham, R. Polder</i></p> <p>Corrosion monitoring of reinforced concrete structures – actual research results and new guidelines <i>A. Fraundorfer, C. Dauberschmidt</i></p> <p>Condition assessment of concrete prestressed slab after 60 years in service <i>D. Tawil, L. Kristufek, B. Martin-Perez, L. Sanchez, M. Noël</i></p> <p>Case study: concrete testing for accurate assessment and maintenance of concrete structures <i>K. Ayer, A. van der Merwe, K. Volmink</i></p> <p>Afrisam Ulco Preheater – digital audit through unmanned technology – a Delta Scan and Spec-Con case study <i>Darryl Epstein</i></p>	<p>Durability of concrete with Belite-Gehlenite clinker as fine aggregate <i>A. Kobayashi, H. Fujiwara, M. Maruoka, M. Owada, K. Hayashi</i></p> <p>Fly ash geopolymers concrete durability to sulphate, acid and peat attack <i>Y. Patrisia, D. W. Law, C. Gunasekara, A. Wardhono</i></p> <p>Early-age effect of corn cob ash as a partial replacement for Portland cement in concrete <i>O. A. Fadele, M. Otieno</i></p> <p>Experimental Study on the Effect of Low Carbon Type Concrete on Sulfuric Acid Resistance <i>S. Tanaka, H. Fujiwara, M. Maruoka, H. Ishiduka, T. Wang</i></p>	<p>Numerical study of galvanic anode systems used for patch repair of reinforced concrete structures <i>C. Helm, M. Raupach</i></p> <p>Current distribution and throwing power of galvanic cathodic protection with discrete anodes in reinforced concrete beam or column elements <i>B. Van Belleghem, M. Maes, T. Soetens</i></p> <p>A rapid test to screen the functionality of galvanic anodes for cathodic protection of reinforced concrete <i>R. Cobbs, C. Akins Mott MacDonald, R. Brueckner, A. Goya</i></p> <p>Ion distribution in concrete overlay, mapped by laser induced breakdown spectroscopy (LIBS), modified by an embedded zinc anode <i>W. Schwarz, Gerd Wilsch, N. Katsumi, G. Ebell, T. Völker</i></p>
Tea Break (14:45 – 15:15)		
Session 4 (15:15 – 16:45) [Chairs: Mike Otieno (A), Karen Scrivener (B), Mark Alexander (C)]		
Modelling and prevention of reinforcement corrosion II	Developments in concrete technology I	Repair methods, materials and techniques I
<p>Reinforcement corrosion of circular concrete columns under sustained load <i>S. Jabbour, B. Martín-Pérez, M. Liu</i></p> <p>Corrosion-induced concrete cracking - a poromechanical, multiscale approach <i>M. Pundir, D. Kammer, U. Angst</i></p> <p>Updating the prediction of chloride-induced corrosion in RC structures by considering cracks detected by a CNN <i>P. Pfändler, T. Schmid, U. Angst</i></p> <p>Moisture sorption behaviour of concrete mixtures containing chlorides and the resulting electrolytic resistivity in relation to the estimated corrosion risk <i>A. Fraundorfer, T. Heilmayer, C. Dauberschmidt, C. Gehlen</i></p> <p>Chloride profiles with a peak – why and what are the consequences for predictions? <i>L.-O. Nilsson</i></p>	<p>Feasibility of using clays from Southeast European deposits in limestone calcined clay cements <i>M. Flegar, M. Serdar, D. Londono-Zuluaga, K. Scrivener</i></p> <p>Interactions between hydrated cement pastes and aggressive ammonium: experimental batches characterization <i>M. Giroudon, C. Roos, M. Peyre-Lavigne, L. Lacarrière, A. Bertron</i></p> <p>Stability of synthetic calcium silicates hydrates in chemically aggressive conditions <i>C. Roos, M. Giroudon, L. Lacarrière, A. Bertron</i></p> <p>High performance reactive magnesium cement incorporating with hollow natural fiber <i>Bo Wu, Jishen Qiu</i></p> <p>Influence of alkali content and silica modulus on the carbonation kinetics of alkali-activated slag concrete <i>O. Bukvic, M. Serdar</i></p>	<p>Application of RFID corrosion environment sensing system to repair work and results of 10-year study <i>A. Eriguchi, H. Fujiwara, Y. Isaka</i></p> <p>Re-using existing prefabricated prestressed concrete girders <i>R. Vergoossen, G. van Eck, D. Jilissen</i></p> <p>Rehabilitation of a hydraulic structure with different strain-hardening cement-based composites <i>S. Müller, V. Mechtcherine</i></p> <p>Emergency rehabilitation of Selby interchange on the M2 in Johannesburg, South Africa <i>J. Strydom, J. da Silva, O. Kongolo</i></p> <p>Partial Reconstruction and Lengthening of a Continuous Post-tensioned Concrete Bridge Deck <i>P. Fenton, J. Harripershad, L. Reid</i></p>
Harbour Cruise: 18:00- 19:30		

TUESDAY 04 OCTOBER 2022

Session 5 (8:30 -10:00) KEYNOTE LECTURES [Chair: Frank Dehn]		
Damage management of concrete elements by crack mitigation and self-healing strategies <i>Nele De Belie</i>		
Advances in predicting reinforcement corrosion damage on concrete structures <i>Mike Otieno</i>		
Sustainability verification of deteriorating concrete infrastructure <i>Mette Geiker</i>		
Tea Break (10:00 – 10:30)		
Session 6 (10:30 – 12:15) [Chairs: Liberato Ferrara (A), Joanitta Ndawula (B), Billy Boshoff (C)]		
Non-destructive measurement and assessment techniques I	Modelling and prevention of reinforcement corrosion III	Fibre reinforced cementitious materials
An artificial intelligence approach to detection and assessment of concrete cracks based on visual inspection photographs <i>M. Gomera, Y. Ballim</i>	Galvanic corrosion of prestressed strands in re-grouted post-tensioned concrete systems <i>K. Manickam, R. G. Pillai</i>	Textile reinforcement method for 3D printed concrete <i>J.J. Janse van Rensburg, R. Combrinck, J. Babafemi</i>
Imaging of results in NDT-CE: strength and limitations in the use of radar vs. ultrasonic echo <i>A. Taffe</i>	Long-term performance parameters influencing the service life of galvanic anodes in reinforced concrete systems <i>K. Manickam, D. K. Kamde, R. G. Pillai</i>	Textile reinforced concrete for free-form concrete elements: Influence of the stitch type of textile reinforcements on the drapability for manufacturing double-curved concrete elements <i>S. Bhat, M. Kalthoff, P. Schroeder, T. Gries, T. Matschei</i>
Recent advances in (ultra)sonic active and passive monitoring of reinforced and prestressed concrete structures <i>E. Niederleithinger, N. Epple, Chun-Man Liao</i>	Performance assessment of galvanic anodes in cathodic protection systems in reinforced concrete structures <i>Keerthi V. T., N. Krishnan, R. G. Pillai</i>	Study on fundamental properties of the spraying Ultra High Strength Fiber Reinforced concrete cured at normal temperature <i>Kotaro Yoshikawa, Hiromi Fujiwara, Masanori Maruoka, Katsuhiko Yamada, Junon Yoshikawa</i>
Testing methods for concrete-to-concrete interfaces as pathways for corrosive attack <i>J. P. Höffgen, M. Mohs, V. Malárics-Pfaff, F. Dehn</i>	Field performance of hybrid and galvanic anodes in reinforced lime concrete heritage structure using electrochemical studies <i>A. Ajayan, R. G. Pillai</i>	Performance of high-strength strain-hardening cement-based composites (HS-SHCC) under cyclic loading conditions <i>D. Junger, V. Mechtcherine</i>
Microscopic assessment of ASR-affected columns after 20 years in service <i>H. Ahmed, A. Zahedi, L. Sanchez</i>	Chloride threshold and service life of prestressed concrete with various supplementary cementitious systems <i>D. Joseline, R. G. Pillai</i>	Flexural strength of fibre reinforced concrete in relation to the angle of magnetically orientated fibres <i>K. Carrera, K. Künzel, V. Papež, R. Sovják, P. Kheml</i>
Practical procedure for the precise measurement of geometrical tendon positions in concrete with ultrasonic echo <i>S. Maack, S. Küttenbaum, E. Niederleithinger</i>		Static behaviour of steel fibre reinforced concrete pavements on a single fibre level <i>N.P. Makara, R. Combrinck, H. Fataar</i>
Lunch (12:15 -13:30)		

Session 7 (13:30 -14:45) [Chairs: Benoit Bissonnette (A), Muhammed Basheer (B), Peter Taylor (C)]		
SL modelling and prediction of durab. I	Degradation and condition assessment II	Patch repairs and bonded overlays I
<p>Probabilistic service life design of reinforced concrete structures via free web application <i>U. Angst, C. Linden, M. Zintel</i></p> <p>Durability aspects of cracked RC-structure exposed to chlorides reinforced with Rebars 1.4003 <i>C. Dauberschmidt, A. Fraundorfer</i></p> <p>The influence of temperature on the cracking of plastic concrete <i>R. Combrinck, J. van Zyl, D.M. Meyer</i></p> <p>A critical evaluation of the use of crack width requirements in the durability design of marine reinforced concrete structures <i>N. Elias, H. Beushausen</i></p> <p>A numerical modelling framework to predict the effects of self-healing on chloride penetration in Ultra High Performance Concrete (UHPC) <i>A. Cibelli, H. Ahmed, G. di Luzio, L. Ferrara</i></p>	<p>Assessment of cantilevered concrete balconies by means of practically oriented evaluation tools <i>B. Craeye, L. Wittocx, P. Minne, R. Caspeele</i></p> <p>Preliminary evaluation of Pier cap from an ASR affected bridge in Central Canada <i>L. Kristufek, A. Zahedi, D. Tawil, L. Sanchez, B. Martin-Perez, M. Noël</i></p> <p>Evaluation of corrosion damage in reinforced concrete structures in terms of the rebar's residual cross-section <i>V. S. Gilayeneh, S. O. Nwaubani</i></p> <p>Approach to the development of a model to quantify the quality of tendon localization in concrete using ultrasound <i>S. Küttenbaum, S. Maack, A. Taffe</i></p>	<p>Journey through time - concrete repair mortar <i>K. Bonin</i></p> <p>Thin bonded overlays with carbon reinforcement for concrete pavements <i>J. Neumann, R. Breitenbücher</i></p> <p>UHPC overlay as sustainable solution to preserve old concrete structures <i>A. Kothari, M. Rajczakowska, A. Cwirzen</i></p> <p>Strain-hardening limestone calcined clay cement-based (SHLC3) sprayed composites for strengthening concrete elements against impact loadings <i>C. Signorini C., M. A. B. Beigh, M. Butler, V. Mechtcherine</i></p>
Tea Break (14:45 – 15:15)		
Session 8 (15:15 – 16:45) [Chairs: Alexander Flohr (A), Nele de Belie (B), Christoph Dauberschmidt (C)]		
Developments in concrete technology II	Concrete durability: innovative materials and influence of material composition III	Service life extension: methods and materials
<p>Quantified pointclouds and enriched BIM-Models for the digitalized maintenance planning <i>H. Morgenstern, M. Raupach</i></p> <p>Case study: implementation of photoluminescent polymer concrete elements on bridge and infrastructure projects <i>K. Volmink, J. Padayachee, N. Nulliah</i></p> <p>Early age properties of high-performance concrete <i>D. Mostert, E. Kearsley</i></p> <p>The tensile deformation and capillary pressure build up in fresh concrete <i>R. Combrinck, Y. Khan, D.M. Meyer</i></p>	<p>Mechanical properties and self-sensing ability of amorphous metallic fiber reinforced concrete <i>T. Bouillard, A. Turatsinze, J.-P. Balayssac, A. Toumi, O. Helson</i></p> <p>Towards understanding the influence of metakaolin in the prevention of alkali-silica reaction <i>G. Prinsloo, M. S. Pourbehi, A. J. Babafemi</i></p> <p>Properties of desert dune fines-slag blended geopolymer mortar designed using Taguchi method <i>A. El-Mir, H. El-Hassan</i></p> <p>Effects of sodium oxide content on the durability of alkali-activated mortar utilizing botswana copper mine tailings and fly ash <i>A. V. J. Sannoh, G. Malumbela, V. S. Gilayeneh</i></p> <p>Effect of styrene-acrylic latex polymer on the dimensional and mechanical stability of ettringite accelerated binders composed of CAC-PC-C\$ <i>L. Noor, J. H. Ideker</i></p>	<p>The durability and restoration performance of cement-based coatings for drinking water reservoirs <i>C. Paglia, A. Jornet</i></p> <p>Practical service life assessment and rehabilitation strategy development for hyperbolic shell natural draft cooling towers – Parts 1 & 2 <i>M. B. Gries, J. S. Lawler, E. I. Wagner, K. A. Michols, A. Dennis, K. Kgate, M. Pretorius</i></p> <p>Extending the service life of existing concrete structures to last beyond 100 years <i>D. Whitmore</i></p> <p>The environmental impact of service life-extending repair for corrosion damaged reinforced concrete balconies: a case study in a coastal context <i>N. Renne, B. Craeye, M. Buyle, A. Audenaert</i></p>
Conference dinner 18:00: GOLD Restaurant, Green Point		

WEDNESDAY 05 OCTOBER 2022

Session 9 (8:30 -10:00) KEYNOTE LECTURES [Chair: Pilate Moyo]		
<p>Understanding concrete biodeterioration mechanisms and resistance in sewer environments: recent progress and scientific and technical challenges <i>Alexandra Bertron</i></p> <p>Is sustainable rehabilitation of pavements possible with Ultra-Thin Continuously Reinforced Concrete overlays? <i>Elsabe Kearsley</i></p> <p>Building repair and rehabilitation in the new global paradigm <i>Vernon Collis</i></p>		
Tea Break (10:00 – 10:30)		
Session 10 (10:30 – 12:15) [Chairs: Yunus Ballim (A), Alexander Taffe (B), Alexandra Bertron (C)]		
Repair methods, materials and techniques II	Non-destructive measurement and assessment techniques II	Developments in concrete technology III
<p>Concrete substrate moisture requirements for durable concrete repairs – a field study <i>B. Bissonnette, A. M. Vaysburd, K. F. von Fay, S. J. Harrell, L. Courard, A. Garbacz</i></p> <p>Sustainable concrete repair & protection products - impact on renovation works <i>M. Donadio, K. Agapitos, W. Smithers</i></p> <p>History, diagnosis and repair of the Corniche Kennedy in Marseille – France <i>L. Pace, R. Leconte, T. De Folleville</i></p> <p>A long-term study on the effect of a hydrophobic treatment on the moisture balance and durability of a reinforced concrete structure in a road tunnel <i>M. Brem, M. Büchler, J. Lohner</i></p> <p>The use of hydrophobic treatments to extend the service life of deteriorated marine RC structures <i>J. Ndawula, H. Beushausen, M. Otieno</i></p> <p>Surface repair of concrete and reinforced concrete structures with carbon textile reinforced concrete (CTRC) <i>C. Morales Cruz, M. Raupach</i></p>	<p>Deterioration analysis of sewer concrete subjected to biogenic acid corrosion using QEMSCAN <i>A. T. Bakera, M. G. Alexander</i></p> <p>Laser-induced breakdown spectroscopy - a tool for imaging the chemical composition of concrete <i>G. Wilsch, T. Völker, T. Klewe, S. Kruschwitz</i></p> <p>Determination of surface properties of treated cement pastes by acoustic methods and scratch test <i>L. Topolář, L. Kalina, D. Kocáb, P. Hrubý, Pe. Bílý, J. Fládr</i></p> <p>The effect of curing, specimen thickness, and saturation on surface resistivity of concrete <i>S. Surana, H. Beushausen, M. G. Alexander</i></p> <p>Mortar resistivity as a parameter for monitoring steel corrosion in alkali-activated materials <i>A. Runci, M. Serdar</i></p> <p>A framework for non-destructive assessment and monitoring of 3D printed Steel Fibre Reinforced Concrete (SFRC) tunnel segments <i>A. Marcucci, S. Guanziroli, F. Muscolino, A. Negrini, R. Felicetti, L. Ferrara</i></p>	<p>Effects of high and very high temperatures on blast furnace slag concretes <i>M. Zyzak, H. Hedlund, J. Provis, A. Cwirzen</i></p> <p>Using simple soil water content sensors to measure water availability in fresh concrete <i>M.S. Smit, W.P. Boshoff</i></p> <p>Effectiveness of concrete curing compounds in extreme windy and dry conditions <i>Z. Spijkerman, W. P. Boshoff</i></p> <p>Preventing plastic shrinkage cracking by monitoring the capillary pressure build-up in self-compacting concrete <i>R. C. Deyssel, W. P. Boshoff, M.S. Smit</i></p> <p>The investigations on properties of self-healing concrete with crystalline admixture and recycled concrete waste <i>F. C. Manhanga, Ž. Rudžionis, E. Ivanauskas, A. Algirdas</i></p> <p>Autogenous self-healing of carbon textile reinforced concrete (CTRC) repair layers exposed to cyclic movements <i>C. Morales Cruz, M. Raupach</i></p>
Lunch (12:15 -13:30)		

Session 11 (13:30 -14:45) [Chairs: Sylvia Kessler (A), Michael Grantham (B), Radhakrishna Pillai (C)]		
Patch repairs and bonded overlays II	Service life modelling and prediction of durability II	Developments in concrete technology IV
<p>Rehabilitation and repair of concrete overlays <i>D. King, P. Taylor</i></p> <p>Volume change behaviour of cement-based repair materials labelled as shrinkage-compensating, shrinkage-compensated or non-shrink <i>B. Bissonnette, L. Molez, P.-V. Certain, C. Lamothe, M. Jolin, R. Gagné</i></p> <p>High-performance concrete patch repair – what does that even mean? <i>H. Beushausen</i></p> <p>Structural repair mortar for corroded RC structures – truth or myth? <i>N. Jarratt, H. Beushausen</i></p>	<p>Performance based approach to assess the spalling resistance of concrete under freeze-thaw attack <i>P. A. Muhammed Basheer, A. E. Long, S. V. Nanukuttan, K. Yang</i></p> <p>Modelling the cracking of fresh concrete <i>R. Combrinck, D. M. Meyer, W. P. Boshoff</i></p> <p>Salt frost scaling of concrete – new insights regarding the damage mechanism <i>M. Müller, H.-M. Ludwig</i></p> <p>Impact of slag on carbonation rate of concrete based on calcium aluminate cement <i>A.-D. Bašić, M. Serdar, G. Walenta</i></p> <p>A comparison between uniform and galvanic corrosion rate in carbonation induced corrosion of reinforced concrete <i>T. T. Nguyen, R. François, T. Ngoc Vu, M. Carcasses</i></p>	<p>Investigation on the influence of fine recycled sands on the setting behaviour of cement when used as supplementary cementitious material (SCM) <i>B. Wolf, J. Paule, A. Kustermann</i></p> <p>Application of mining tailing sand in concrete mixtures – a review <i>J. O. Ikotun, R. A. Adeyeye, M. Otieno</i></p> <p>A novel approach for the consolidation of sand by MICP single treatment <i>B. Nagy, K. Brunner, S. Baptist, A. Kustermann</i></p> <p>Towards sustainable building materials through lithium silicate densifiers <i>L. Kalina, V. Bílek Jr., F. Šoukal, P. Bílý, J. Fládr</i></p> <p>Influence of red mud addition in alkali-activated mortars on corrosion resistance of steel <i>I. V. Kancir, V. Radoš, M. Serdar</i></p>
Tea Break (14:45 – 15:15)		
Session 12 (15:15 – 16:45)		
Suppliers and industry session		
<p>Mapei, <i>Jacobus Pretorius</i></p> <p>Proceq / CONSCAN-NDT, <i>Graham Smith</i></p> <p>Euclid Chemical / Stoncor, <i>JP Cilliers</i></p> <p>Sika, <i>Anthony Webster</i></p> <p>Sanika / Kryton, <i>Colte Smit</i></p> <p>Xypex, <i>Lewis Lynch</i></p> <p>abe, <i>Brett Papayanni</i></p> <p>Deltascan, <i>Darryl Epstein</i></p>		
Closing Function 16:45 - 17:30		

