

Wednesday 15 April 2026

	Peristilium	cap. 298 Auditorium Devreker	cap. 173 Auditorium Picard	cap. 100 Auditorium Vlerick	cap. 90 Auditorium Denduyver	cap. 89 Auditorium Van Vaerenbergh	cap. 40 Leszaal 0.2 De Pelsmaeker
8:00-...	Registration						
8:50-9:00		Welcome & Opening (Chair: Geert De Schutter and Nele De Belie) Geert De Schutter Nele De Belie					
9:00-10:00		Colonnetti Lectures (Chair: Daman Panesar) Johannes Mirwald Muhammad Riaz Ahmad					
10:00-10:30	Coffee + Posters						
10:30-12:00		TC presentations (Chair: Daman Panesar) 284-CEC / Jiaping Liu - Controlled expansion of concrete by adding MgO-based expansive agents taking the combined influence of composition and size of concrete elements into consideration 285-TMS / Song Mu - Test method for concrete durability under combined role of sulphate and chloride ions, revised proposal 296-ECS / Sylvia Kessler - Assessment of electrochemical methods to study corrosion of steel in concrete	TC presentations (Chair: Kei-ichi Imamoto) Keynote / Caijun Shi - Advances in Understanding Carbon Mineralization for Low/Negative Carbon Construction Materials and Products 292-MCC / Barzin Mobasher - Mechanical Characterization and Structural design of Textile Reinforced Concrete 295-FBB / A. (Katerina) Varveri - Fingerprinting bituminous binders using physico-chemical analysis				
12:00-12:50	Lunch + Posters						
12:50-13:20		Keynote 1 (Chair: Nele De Belie) / Maria Juenger - Addressing workability challenges with calcined clays					
13:20-13:30	Walk to your session ...						
13:30-15:00		Session W-DV-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA W-DV-1-1 / paper 239 / Investigating the use of biochar as an additive for climate-neutral concrete - Tawiah, A., Stürwald, S., Thiedeitz, M., Schmidt, W.	Session W-PC-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials W-PC-1-1 / paper 26 / Tailored Poisson's Ratio-reinforced Cementitious Composites for Flexural Applications - Bol, R., Zhou, W., Meng, Z., Schlangen, E., Šavija, B., Keßler, S., Singh, S.	Session W-VR-1 / TR11 / Textile reinforced concrete (special session) W-VR-1-1 / paper 186 / Textile-Reinforced Mortars: can they be smart-fied? - Trochoutsou, N., Ferrara, L.	Session W-DD-1 / TR8 / Processes: mixing, pumping, casting, 3D printing W-DD-1-1 / paper 381 / Concrete Rheometry: Mission Impossible? - Feys, D., Muthukrishnan, S., Rezaev, R., Mikhalev, D., Mechtcherine, V.	Session W-VV-1 / TR3 / Buildings: assessment, preservation, rehabilitation, strengthening, energy, indoor climate W-VV-1-1 / paper 386 / Antimicrobial coatings for heritage stones - Sassoni, E., Artusi, C., Bernardi, E., Boanini, E., Cappelletti, M., Chiavari, C., Cianciavichia, M., Cocchi, L., Cofini, E., Dal Pozzo, A., Fedi, S., Ghezzi, D., Gabrielli, A., Graziani, G., Ortelli, S., Tomiato, E., Zanoni, I. W-VV-1-2 / paper 47 / A digital perspective on Architectural Heritage assessment and management: As-it-is BIM for Heritage Buildings - Palomar, I., Fernandez-Tapia, E., Bermúdez-González, J., Fuentes, P., Gonzalez-Redondo, E., Cuerda, E.	
13:30-13:45		W-DV-1-2 / paper 48 / Potential of Using Agricultural Residues in Composite Materials - Maury-Ramirez, A., Blom, J., Wurm, J., Rinke, M.	W-PC-1-2 / paper 34 / Digital imaging and micro-CT for the rheological characterization of hydraulic binder systems - De La Rosa Velasco, Á., Ruiz López, G., Rodríguez Pérez, J., Moreno Botella, R.	W-VR-1-2 / paper 123 / Influence of single and hybrid short fibres on the fresh and hardened properties of quaternary blend concrete for sustainable textile-reinforced composites - Alma'aitah, M., Ghiassi, B.	W-DD-1-2 / paper 345 / The rheology of cement systems containing carbonated fine recycled aggregates - Troian, V., Panek, R., J. Flatt, R.	W-VV-1-3 / paper 82 / Nanomaterials based on semiconductor metal oxides to improve indoor air quality: depollution and detection - Castelló Lux, K., El Atti, O., Hot, J., Fau, P., Fajerwerg, K., Menini, P. W-VV-1-4 / paper 119 / Comparative Study on Flexural Behavior of RC Beams Strengthened with CFRP and Fe-SMA Strips - Halem, F., Kamaruddin, K., Ahmad, N., Ismail, R., Ahmad Zakwan, F., Sharipudin, S.	
13:45-14:00		W-DV-1-3 / paper 87 / Influence of crystalline admixtures on the durability of concrete mixtures - Androutsos, K., Sideris, K.	W-PC-1-3 / paper 142 / Design of chemical admixture formulation for sustainable self-compacting concrete based on CEM II/B-M (Q-LL) - Wagemakers, N., Wiktor, V.	W-VR-1-3 / paper 156 / The Role of Silica Sol Fiber Coating in Enhancing Textile-Reinforced Concrete Performance - Sinitsky, O., Savraeva, D., Priel, E., Magdassi, S., Peled, A.	W-DD-1-3 / paper 246 / Real-Time Prediction of Mortar workability Using Multi-Modal Deep Learning - Guo, P., Wagemakers, N., Nunes, S., Yorke-Smith, N., Wiktor, V.	W-VV-1-5 / paper 354 / Test on cores to determine compressive properties of existing masonry: influence of cap material and geometry - Ferretti, F., Zhou, C., Mazzotti, C.	
14:00-14:15		W-DV-1-4 / paper 145 / Quantifying the sustainability performance of Nature-Based coastal infrastructure - belhadi, S., De Pauw, S., Bonte, D., Van Tittelboom, K., De Belie, N.	W-PC-1-4 / paper 58 / Enhancing early age strength in high-filler, low-water systems with C-S-H seeding - Moussa, A., Krishna Das, K., Yonis, A., Tagnit-Hamou, A., Wilson, W.	W-VR-1-4 / paper 178 / Investigation of Pull-out and Beam-end Bond Behaviour of Non-metallic Reinforcing Bars in Low-clinker Concretes - Heber, P., Sikorski, O., Schumann, A., Großkopff, P., Beckmann, B., Marx, S.	W-DD-1-4 / paper 322 / Data-Driven Process Control for Concrete Pumping - Mikhalev, D., Rezaev, R., Mechtcherine, V.		
14:15-14:30		W-DV-1-5 / paper 189 / Bio-based emulsion for pavement - Tran, T., Gaudefroy, V., Cantot, J., Tapin, B., Chailleux, E.	W-PC-1-5 / paper 148 / Observation of dissolution and precipitation in early C3S hydration by In-situ AFM and TEM - Huang, L., Li, X., Liu, L., Jim, D., Zhang, X.	W-VR-1-5 / paper 196 / Transformation of singular joint deformations into multiple cracks in carbon-reinforced concrete pavements - Weiß, M., Curoşu, I., Schmidt, J., Marx, S., Curbach, M.	W-DD-1-5 / paper 81 / Predicting filament geometry in 3D concrete printing via numerical simulation and machine learning: Rizzieri, G., Lanteri, F., Cremonesi, M., Ferrara, L.		
14:30-14:45		W-DV-1-6 / paper 399 / Novel Bio-based Fibre Board Based on Elephant Dung and Bone Glue - De Lille, M., Callewaert, D., De Belie, N., Belis, J.	W-PC-1-6 / paper 163 / Determination Of Hydration Kinetics And Prediction Of Phase Assemblage Of Blended Cements Using Isothermal Calorimetry Data - Pham, H., Pham, H., Cizer, Ö., Phung, Q., Joseph, S., Seetharam, S., Laloy, E., Jacques, D., Liu, S.	W-VR-1-6 / paper 226 / Development of calcined clay-based textile reinforced concrete - Pamudji, M., Ghiassi, B.	W-DD-1-6 / paper 175 / Coupled Hygro-Thermo-Chemical Modeling of Layered Concrete in 3D Printing for Process Optimization - Hammad, Y., Vorel, J., Van Tittelboom, K., Wan-Wendner, R.		
15:00-15:30	Coffee + Posters						
15:30-18:00		Session W-DV-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA W-DV-2-1 / paper 93 / ECOPAVE: Towards Sustainable concrete pavements using high volumes of construction, demolition, and industrial wastes as constituent replacements - Patel, R., Schuttheiß, A., Dehn, F., Singh, S., Santhanam, M., Knoblich, P., Totev, T., Pandey, D.	Session W-PC-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials W-PC-2-1 paper 375 / Yield stress modeling of cement pastes and mortars with heterogeneous unconventional aggregates derived from wind turbine blade waste - Trento, D., Perrot, A., Ortega-Lopez, V., Faleschini, F.	Session W-VR-2 / TR5 / Infrastructure: structural behaviour, robustness, assessment, repair W-VR-2-1 / paper 46 / Origami-reinforced Cementitious Composites - Zhou, W., Meng, Z., Bol, R., Šavija, B.	Session W-DD-2 / TR6 / Innovation: nanotechnology, responsive polymers, active control W-DD-2-1 / paper 27 / Magneto-rheology control in 3D concrete printing - Jiao, D.	Session W-VV-2 / TR2 / Bituminous materials: characterisation modelling and analysis to support circular economy (Special Session) W-VV-2-1 / paper 280 / Towards harmonized DSC Analysis for Bitumen through Interlaboratory Work within RILEM TC 295-FBB - Ma, L., Varveri, A., Dave, E., Modi, S., Vansteenkiste, S., Tavassoti, P., Hofko, B.	Session W-DP-2 / TR12 / Time-dependent behaviour of cast and printed concrete (Special Session) W-DP-2-1 / paper 53 / Direct and indirect measurements of static yield stress of cement mortar for 3D concrete printing - Selvaratnam, A., Achintha, M., Mandal, P., Hurst, N., Diver, C.
15:30-15:45		W-DV-2-2 / paper 283 / Water demand of screed mixtures using secondary sands - Yaqub, M., Boel, V., Matthys, S.	W-PC-2-2 / paper 98 / Use of recycled glass as Supplementary Cementitious Material in cementitious systems - Kesikidou, F., Tsardaka, E., Tsampali, E., Konopisi, S., Stefanidou, M.	W-VR-2-2 / paper 50 / Bending behavior of timber-concrete composite structures reinforced with natural fibers - Kaliske, M., Kuhn, S., Schänzlin, J., Ricker, M., Feiri, T.	W-DD-2-2 / paper 49 / The Role of Iron Oxide Composition in Magneto-Responsive cement Pastes: A Comparative Investigation - Heik, P., Göbel, L.	W-VV-2-2 / paper 68 / Experimental Investigation of Bitumen-Aggregate Interfacial Debonding Behavior under Varying Loading and Environmental Conditions - Wu, R., Li, Y., Liu, X., Erken, S.	W-DP-2-2 / paper 122 / Techniques for Achieving Overhangs in 3D Printed Concrete Structures: Experimental Evaluation and Design Implications - Florenzano, D., Naboni, R.
15:45-16:00		W-DV-2-3 / paper 221 / Assessment methods and classification models for the reuse of reinforced concrete elements - Al-Shboul, O., Ringeloth, D., Bijeljić, J., Niederleithinger, E., Curoşu, I.	W-PC-2-3 / paper 114 / Performance Evaluation of UHPC Incorporating Waste OLED Powder as a Partial Cement Substitute - Na, Y., Choi, H., Kim, S., Yoo, D.	W-VR-2-3 / paper 51 / Push-out tests in timber-concrete composite structures reinforced with natural fibers - Kaliske, M., Kuhn, S., Schänzlin, J., Ricker, M., Feiri, T.	W-DD-2-3 / paper 77 / Vane Tests of Mortar with Added Magneto-Responsive Particles under Uniform Magnetic Flux Densities beyond 0.6 Teslas - Ehle, F., Heik, P., Echt, T., Göbel, L.	W-VV-2-3 / paper 79 / Intermediate-temperature cracking resistance of bituminous mixtures based on the Semi-Circular Bending test: impact of test conditions and notch dimensions - Margaritis, A., Crucho, J., Tanghe, T., Vansteenkiste, S.	W-DP-2-3 / paper 155 / Temperature-dependent early-age properties of 3D printed concrete - Soave, F., Wolfs, R., Muciaccia, G., Ferrara, L.
16:00-16:15		W-DV-2-4 / paper 31 / Durability and Mechanical Performance of 3D Printed Concrete Incorporating Recycled Construction and Demolition Waste - Dithokwa, A., van Zijl, G., Babafemi, A.	W-PC-2-4 / paper 121 / Lithium mining waste in concrete production - Maddalena, R., Chougan, M., Kinnunen, P.	W-VR-2-4 / paper 42 / Performance evaluation of permeable concrete pavement: laboratory and field investigations - Fakhar Shakeri, Z., San Nicolas, R., Miri Disfani, M.	W-DD-2-4 / paper 207 / Effect of concentration of hard magnetic particles on rheological properties of responsive cementitious materials - Zhang, Y., Zhang, Y., Sun, Y., De Schutter, G.	W-VV-2-4 / paper 85 / Multi-technique Characterization of Reclaimed Asphalt Pavement systems with Biobased Materials - Negru, I., Vasconcelos, K., Chailleux, E., Lo Presti, D., Pais, J., Varveri, A.	W-DP-2-4 / paper 176 / Using Superabsorbent Polymers For Curing Of Expansive Concrete - Dräger, J., Dhahir, M., Schröfl, C., Beckmann, B., Marx, S.
16:15-16:30		W-DV-2-5 / paper 39 / Lattice Discrete Particle Modelling of recycled aggregate concrete: Calibration and validation - Hu, X., Gruyaert, E., Molken, T., Wan-Wendner, L.	W-PC-2-5 / paper 190 / Effect of Tire and Industrial Steel Fiber Mix on Structural-Grade Concrete Performance - Zia, A., Holly, I.	W-VR-2-5 / paper 330 / A Thermo-Mechanical Model for Assessing Early-Age Thermal Cracking in Mass Concrete - Sai Varma, K., Rahul, A.	W-DD-2-5 / paper 197 / Active rheology control of 3d printable cement-based materials with embedded thermally responsive polymers - Zhang, Y., Van Meerssche, J., Kolouchova, K., Van Tittelboom, K., De Schutter, G.	W-VV-2-5 / paper 108 / Evaluating the ageing resistance of innovative asphalt mastics for durable dike revetments - Chi Valdespino, V., Singh, A., Varveri, A., Looff, A.	W-DP-2-5 / paper 282 / Monitoring Thermal Properties and Volume Changes of Alkali-Activated Materials by using advanced experimental techniques - Staquet, S., Delsaute, B., Lacante, M.

16:45-17:00	W-DV-2-6 / paper 100 / Effect of selective demolition and recycling method on properties of recycled concrete aggregates - Nedeljkovic, M., van den Bos, J.	W-PC-2-6 / paper 212 / Long-term water imbibition and strains of cement pastes with incineration ashes - Alderete, N., Etcheverry, J., Villagran-Zaccardi, Y., Jovanović, B., De Belie, N.	W-VR-2-6 / paper 346 / Multi-Ion Induced Depth-Varying Corrosion in Marine Concrete Piles: A Predictive Approach for Enhancing Service Life Assessment - Annamalaisamy Sannasiraj, R., Zhang, L., Chronopoulos, D.	W-DD-2-6 / paper 63 / Advanced Polymer-Cement Synergy through In-Situ Monomer Polymerization and Calcium Acetate Coordination - Long, J., Li, Z., Wu, K., De Schutter, G.	W-WV-2-6 / paper 191 / Mechanistic-Empirical Design Framework for Cold Recycled Asphalt Pavements - Al-Ihekwaba, E., Dave, E., Sias, J., Tebaldi, G.	W-DP-2-6 / paper 329 / Characterizing the Early-Age Viscoelastic Behavior of 3D Printable Concrete Using Stress Relaxation Tests - Kurup, D., Rahul, A.
17:00-17:15	W-DV-2-7 / paper 380 / Linking RCA Moisture State and Absorption Behaviour to the Effective W/C Ratio and Mechanical Performance of Recycled Concrete - Aytekin, B., Nedeljkovic, M., Schlangen, E., Copuroglu, O.	W-PC-2-7 / paper 233 / Investigation of ashes from municipal solid waste incineration (MSWI) and their application as cementitious supplementary material - Sun, B., Heyndrickx, M., Boel, V., Matthys, S.	W-VR-2-7 / paper 117 / Flexural Performance of Corroded RC Beams Strengthened with NSM CFRP and Fe-SMA Strips - Ismail, R., Md Rodhi, M., Kamaruddin, K., Sharipudin, S., Ahmad Zakwan, F., Ahmad, N.	W-DD-2-7 / paper 66 / Functionalization of self-sensing 3D printed mortars for building monitoring - Lopesino, Y., Puentes, J., Marquez, A., Barluenga, G.	W-WV-2-7 / paper 304 / Performance evaluation of recycled asphalt mixtures with alternative paving materials in Nordic road networks - Cannone Falchetto, A.	W-DP-2-7 / paper 333 / Back-Calculation Software for Material Characterization of Textile-Reinforced Concrete - Patel, D., Pleesudjai, C., Mobasher, B.
17:15-17:30	W-DV-2-8 / paper 169 / Recycling of Wind Turbine Concrete and Composite Components: Development of Glass Fibre Reinforced Recycled Aggregate Concrete - Quijano Arteaga, N., Hidalgo-Astudillo, S., Tosic, N., Aidarov, S., de la Fuente Antequera, A.	W-PC-2-8 / paper 262 / Use of iron mining waste rock as cement replacement ion concrete - Figueiredo Cezar, B., Machado da Costa, V., Vieira, T., Da Silvia Magalhaes, M.	W-VR-2-8 / paper 130 / Experimental Investigation on Seismic Strengthening of Reinforced Concrete Columns Using Shape Memory Alloy Strips under Cyclic Lateral Loading - Ahmad, N., Anak Anthony, A., Mohamad, N., Ahmad Zakwan, F., Ismail, R., Lee, S.	W-DD-2-8 / paper 135 / Assessment of sodium silicate delivery via embedded vascular networks in cracked concrete exposed to aggressive environments - Giarretton Cappellesso, V., Shields, Y., Gruyaert, E., Van Tittelboom, K., De Belle, N.	W-WV-2-8 / paper 316 / Investigating the use of Lignosulfonate as a Sustainable Filler Alternative in Road Construction Materials - Goosen, E., Murphy, A., Mbisa, I.	W-DP-2-8 / paper 339 / Assessment of the applicability of conventional shrinkage prediction models to limestone calcined clay concrete - Saleh, A., Forth, J., Bernal, S., Fang, H.
17:30-17:45	W-DV-2-9 / paper 258 / Recycled Fine Aggregates In Plastering And Rendering Mortars: From Mortar- To Masonry-Scale Performance - Grigorjev, V., Azenha, M., De Belie, N.	W-PC-2-9 / paper 334 / Study of the performance of treated recycled coarse aggregate in concrete production - Olonade, K., Ganiyu, J.	W-VR-2-9 / paper 305 / Evaluation of Coating Effect Reduction to Suppress Concrete Carbonation based on Field Survey - Imamoto, K.	W-DD-2-9 / paper 217 / Bio-encapsulation of Phase Change Materials via coacervation and spray drying for applications in the built environment - pezzoli, C., zannoni, F., Caggiano, A., Rocha Ferreira, S.		W-DP-2-9 / paper 340 / Compressive creep performance of 3D-printed concrete - Babafemi, A., Ibrahim, K.
17:45-18:00	W-DV-2-10 / paper 137 / Effect of Dry Carbonation Temperature and Duration on the Reactivity of Recycled Concrete Fines and Their Performance in Cementitious Materials - Sandalci, I., Tahtali, Y., Gediksiz, E., Bilici, S., Gokalp, I., Basaran Bundur, Z.	W-PC-2-10 / paper 404 / repurposing waste concrete fines in binders for additive manufacturing of concrete - Vislavath, H., Gettu, R., Santhanam, M.				W-DP-2-10 / paper 341 / Comparison of creep and shrinkage models in the context of concrete exposed to elevated temperatures - Seetharam, S., Cibellib, A., Phung, Q., Caspeele, R., Wan-Wendner, R.
18:00-19:30	Welcome Reception					

Thursday 16 April 2026

	Peristilium	Auditorium Devreker	Auditorium Picard	Auditorium Vlerick	Auditorium Denduyver	Auditorium Van Vaerenbergh	Leszaal 0.2 De Pelsmaeker
8:20-8:40		Globe presentation (Chair: Nele De Belie) / David Ruggiero - Global Consensus on Sustainability in the Built Environment					
8:40-9:10		Keynote 2 (Chair: Geert De Schutter) / Liberato Ferrara - A holistic approach to material concept and structural design with advanced cement based materials: a pathway to the decarbonisation of the built environment					
9:10-9:15	Walk to your session...						
9:15-10:00		Session T-DV-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session T-PC-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials	Session T-VR-1 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session)	Session T-DD-1 / TR8 / Processes: mixing, pumping, casting, 3D printing	Session T-VV-1 / TR5 / Infrastructure: structural behaviour, robustness, assessment, repair	Session T-DP-1 / TR9 / Recent developments in data and meta-data management (special session)
9:15-9:30		T-DV-1-1 / paper 59 / Environmental compatibility of waste incineration ashes as a substitution for aggregates - Kruppa, H., Vollpracht, A.	T-PC-1-1 / paper 249 / Mechanochemical activation of low-purity Clays: Comparative Evaluation of Milling Technologies and Upscaling Potential - Tole, I., Ke, X., Cardinal, N., Bernal, S.	T-VR-1-1 / paper 56 / Revisiting Carbonation: CO2 Uptake in Blended Cements over Decadal Timescales - Rathnakumar, S., Malchiodi, B., Zunino, F., Scrivener, K.	T-DD-1-1 / paper 349 / Bio-Inspired Structural Design and 3D Printing of Strain-Hardening Cementitious Composites (3DP-SHCC) - Du, G., Deng, X., Qian, Y.	T-VV-1-1 / paper 90 / Structural performance of 3D printed - Dilkin, E., Engel, S., Classen, M. concrete beams with CFRP reinforcement: a parametric investigation of shear behavior -	T-DP-1-1 / paper 45 / A Semantic Web-based framework for design assistance using Eurocodes - Jędrzejewska, A., Leonardi, M., Ramonell, C., Granja, J., Oliveira, D., Chacón, R., Azenha, M.
9:30-9:45		T-DV-1-2 / paper 109 / Effect of calcium hydroxide on the properties of lithium slag-slag-red mud based composite cement - Gao, W., Jiang, Z., De Schutter, G.	T-PC-1-2 / paper 41 / Utilisation of waste concrete powder as a partial or full replacement of ordinary Portland cement in the limestone calcined clay system - Al-Janabi, A., Hafez, H., Black, L.	T-VR-1-2 / paper 209 / Accelerated carbonation of alkali activated binders obtained by different byproducts - Masi, G., Pacente, C., Bandini, S., Franzoni, E., Bignozzi, M.	T-DD-1-2 / paper 52 / Printability of autogenous self-healing lime-cement mortars - Marquez, A., Ramallo, L., Lopesino, Y., Puentes, J., Palomar, I., Barluenga, G.	T-VV-1-2 / paper 116 / Uniaxial Compressive Performance of Concrete Cylinders Confined with Fe-SMA Strips: Comparative Study of Anchorage Techniques - Mohd Shahrulnizam Wong, N., Anak Maurice, C., Ismail, R., Ahmad Zakwan, F., Ahmad, N., Mohamad, N.	T-DP-1-2 / paper 55 / Sustainable Optimization of Ultra-High-Performance Concrete Using Recycled Fines and CO ₂ Mitigation: A Machine Learning and Swarm Intelligence Framework - Farouk, A., Dulaijan, S., Abdulrahman, S., Al-Osta, M., Abba, S.
9:45-10:00		T-DV-1-3 / paper 208 / Mechanical Performance Investigation of Mortar with Acid-Leached Sewage Sludge Ash - Balci, E., Beelen, J., Dolci, G., Turolla, A., Canziani, R., Gruyaert, E., Ferrara, L.	T-PC-1-3 / paper 76 / Engineering Sustainable Binders: The Role of Calcined Marl and Clays in LC3- Systems - Maravelaki, P., De Nardi, C.	T-VR-1-3 / paper 338 / Thermodynamic calculation based reactive transport modeling to study carbonation in low-carbon concrete - Pang, Q., Weiss, J., Isgor, B.	T-DD-1-3 / paper 67 / Manufacture and load-bearing capacity of cap ceilings in 3D concrete printing - Berthold, M., Döbert, C.	T-VV-1-3 / paper 118 / Experimental Study on the Uniaxial Compression Behavior of RC Columns Strengthened with Fe-SMA Strips - Ahmad, N., Ahmad Zakwan, F., Ismail, R., Muhamad Faizul, F., Mohd Hanif, M.	T-DP-1-3 / paper 219 / 3D Printable sustainable binders containing indigenous materials with organic additives: rheological, mechanical characteristics and life cycle assessment - Patil, M., Nayaka, R., Liebscher, M., Signorini, C.
10:00-10:30	Coffee + Posters						
10:30-11:30		Session T-DV-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session T-PC-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials	Session T-VR-2 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session)	Session T-DD-2 / TR8 / Processes: mixing, pumping, casting, 3D printing	Session T-VV-2 / TR5 / Infrastructure: structural behaviour, robustness, assessment, repair	Session T-DP-2 / TR9 / Recent developments in data and meta-data management (special session)
10:30-10:45		T-DV-2-1 / paper 327 / Artificial aggregates from waste pelletization to promote concrete sustainability - Corinaldesi, V., Tittarelli, F., Generosi, N., Donnini, J.	T-PC-2-1 / paper 164 / Experimental characterization of structural concretes with calcined clay-blended cements: Mechanical Performance and fibre reinforcement effects - Hidalgo-Astudillo, S., Quijano Arteaga, N., Batista Da Silva, N., Aguado, A., Tosic, N., de la Fuente Antequera, A.	T-VR-2-1 / paper 64 / What about the CO2 uptake after the service life of concrete structure? - Turcy, P., Mahieux, P., Hou, Y.	T-DD-2-1 / paper 188 / Rheological Behaviour of 3D-Printable Ultra-low-carbon Concrete Recipes - Lorika, D., Zhang, Y., Matthys, S., Van Tittelboom, K.	T-VV-2-1 / paper 198 / Optimizing flexural performance of slender reinforced concrete beams with different combinations of GFRP and fabric or grid reinforcement: An experimental study - Carvalho, B., Goliath, K., Oliveira, L.	T-DP-2-1 / paper 297 / Optimizing Concrete Mix Design Using a Database Model - Liard, M., Gnos, T., Vetsch, R., Stürwald, S.
10:45-11:00		T-DV-2-2 / paper 335 / Impact of carbonation on mechanical properties and microstructure of blended cementitious materials with heavy replacement of mineral SCMs - Tang, M., Phung, Q., Seetharam, S., Coppens, E., Shao, J., Wan-Wendner, R.	T-PC-2-2 / paper 173 / Influence of superplasticizer type and dosage on the fresh and hardened properties of engineered cementitious composites with limestone calcined clay cement (ECC-LC3) - Alma'aitah, M., Ghiassi, B., Kanavaris, F., Dhandapani, Y.	T-VR-2-2 / paper 357 / Carbonation Profiling of Metakaolin Blended Cements by ¹ HNMR relaxometry - Zhang, R., Joseph, S., Cizer, Ö.	T-DD-2-2 / paper 95 / Interplay of particle shape and size distribution on the angle of repose in secondary sands - Villagran-Zaccardi, Y., Peeraer, B., Kamyab, H.	T-VV-2-2 / paper 222 / Quantifying the Impact of Artificial surface roughness on the Bond Performance of Commercial Repair Mortars - Bielen, H., Beyers, J., Lefeve, G., G. Aggelis, D., Audenaert, A., Craey, B.	T-DP-2-2 / paper 311 / From Lab Data towards Machine-Learning: Managing Data In Internationals Projects - Schultheiß, A., Patel, R.
11:00-11:15		T-DV-2-3 / paper 364 / Efficient Direct Air Capture CO2 using Steel Slag - Tang, C., Ma, Z., Shen, P., Poon, C.	T-PC-2-3 / paper 326 / Versatile LC3 composite mix designs with recycled carbon fibres to promote circularity across applications - Jose, A., Berdini, D., Gomzyakov, A., Donnini, J., Corinaldesi, V., Mechtcherine, V., Liebscher, M., Signorini, C.	T-VR-2-3 / paper 344 / The influence of key parameters in modeling at-scale CO2 uptake In cement-based materials - Cunningham, P., Schmidt, W., Gluth, G.	T-DD-2-3 / paper 172 / Influence of recycled concrete aggregate in 3D impression mortars with cement type IAS 52.5R - Hermida, J., Tosic, N., Etxeberria, M., de la Fuente Antequera, A.	T-VV-2-3 / paper 325 / Dimensional Accuracy Control of Sprayed Strain-Hardening Cementitious Composite (SHCC) Layers for Structural Retrofitting - Hu, C., Whyte, L., Al-Ameen, E., Hamza, M., Muthukrishnan, S., Signorini, C., Blanco, A., Buswell, R., Mechtcherine, V.	T-DP-2-3 / paper 320 / FAIR Digital Objects for Structured Scientific Data - Unger, J., Iglezakis, D., Robens-Rademacher, A.
11:15-11:30		T-DV-2-4 / paper 384 / Development of a carbon-sequestering additive from waste plastic for maximizing carbon sequestration in cementitious binders - Singh, K., Gupta, S.	T-PC-2-4 / paper 365 / The effect of calcination temperature and duration on phase assemblage and reactivity of hydrated cement paste - Mobasher, M., Marsh, A., Scrivener, K.	T-VR-2-4 / paper 376 / How carbonation alters the microstructure and moisture transport in concrete - Zhang, Z., Angst, U.	T-DD-2-4 / paper 288 / Optimization and Performance Evaluation of 3D Printable Concrete Using Recycled Coarse Aggregates from Construction Waste - Nayak, A., Nayaka, R., Ukrainczyk, N.	T-VV-2-4 / paper 393 / Evaluation of the tensile performance of calcium hydroxide activated ultra-high-performance fiber-reinforced slag composites - OH, T., Lee, D., Na, Y., Jeong, C., Park, G., Hong, S., Yoo, D.	T-DP-2-4 / paper 336 / Beyond ISO 5725-2: Robust Statistical Methods for Precision and Reproducibility in Materials Testing - Moro, F., Keßler, S.
11:30-11:35	Walk to the keynote...						
11:35-12:05		Keynote 3 (Chair: Nele De Belie) / A. (Katerina) Varveri - Engineering sustainable and durable paving materials through chemomechanical optimization					
12:05-13:00	Lunch + Posters						
13:00-15:00		Session T-DV-3 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session T-PC-3 / TR7 / Materials: cementitious, non-cementitious, natural building materials	Session T-VR-3 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session)	Session T-DD-3 / TR8 / Processes: mixing, pumping, casting, 3D printing	Session T-VV-3 / TR11 / Textile reinforced concrete (special session)	Session T-DP-3 / TR1 / Non-destructive characterisation of construction materials and processes (Special Session)
13:00-13:15		T-DV-3-1 / paper 257 / Field-Based Assessment and Modeling of Carbonation in 3D-Printed Lost Formworks - Lima, L., Su, Z., Zahno, V., Tennenini, C., Bernal, S., Wangler, T., J. Flatt, R.	T-PC-3-1 / paper 395 / Significance of proper sulfate adjustment in hybrid binders - Miraki, H., Zajac, M., Müller, A., De Weerd, K., Patel, R., Dehn, F.	T-VR-3-1 / paper 400 / The concept of degree of carbonation and experimental evidence - Andrade, C.	T-DD-3-1 / paper 205 / Bond assessment and enhancement of 3D printed-cast concrete interfaces - Saelens, L., Wan-Wendner, R., Caspele, R., Van Tittelboom, K.	T-VV-3-1 / paper 144 / Mechanical behaviour of hybrid textile reinforced concrete - Colombo, M., Ergin, T., Rampini, M., di Prisco, M.	T-DP-3-1 / paper 62 / Secondary imbibition as a novel durability indicator and its effect on external deformations in concrete - De Brabandere, L., Alderete, N., De Belie, N.
13:15-13:30		T-DV-3-2 / paper 24 / Durability of polymer-based coatings on reinforced concrete bridge curbes - Paglia, C.	T-PC-3-2 / paper 80 / Activated clays as key precursors in the formulation of sustainable hybrid alkali-activated cements - Shaghay Pucha, S., Ke, X., Heath, A., Bernal, S.	T-VR-3-2 / paper 146 / Carbon dioxide sequestration in concrete - A simplified uptake assessment via muffle furnace - Davolio, M., Muciaccia, G., Ferrara, L.	T-DD-3-2 / paper 265 / Shear Performance of 3D-Printed Concrete Interfaces: A Comparative Study of Horizontal and Vertical Joints - Alzoubi, Y., Muciaccia, G., Ferrara, L.	T-VV-3-2 / paper 83 / Influence of the textile placement on the flexural behaviour of Carbon Textile Reinforced Concrete - Denayer, R., Kapsalis, P., Tysmans, T., Keßler, S., Singh, S.	T-DP-3-2 / paper 247 / Monitoring of heterogeneity in cementitious materials based on dispersive ultrasound - Lefeve, G., Ospitia, N., Aggelis, D., De Belie, N.
13:30-13:45		T-DV-3-3 / paper 74 / Insights into ASR-induced cracking: mechanism of product formation, expansive stress and crack propagation - Gupta, M., Patel, R.	T-PC-3-3 / paper 244 / Alkali-activated materials utilising calcined clays as sustainable precursor - Steindl, F., Hassan, A., Radinger, S., Stainer, F., Wilkening, M., Kurka, A., Grengg, C.	T-VR-3-3 / paper 160 / Carbon dioxide uptake in biochar-based materials. - Neves Junior, A.	T-DD-3-3 / paper 321 / Powder Bed 3D printing Systems: Influence of Waveform Parameters on Jetting Behavior and Ejection Stability - Kondepudi, K., Gomzyakov, A., Liebscher, M., Mechtcherine, V.	T-VV-3-3 / paper 84 / Integration of prefabricated shear webs into TRC I-beams: experimental study - Meiners Muñoz, E., Kapsalis, P., Tysmans, T.	T-DP-3-3 / paper 308 / Air-coupled ultrasonic assessment of concrete damage and repair - Lefeve, G., Popovics, J., G. Aggelis, D.
13:45-14:00		T-DV-3-4 / paper 88 / Durability of concretes produced with low carbon cements - Kalaitzis, A., Sideris, K.	T-PC-3-4 / paper 367 / Thermodynamic modeling of geopolymers exposed to acid - Ukrainczyk, N.	T-VR-3-4 / paper 271 / CO2 uptake capacity of wood biomass ash based mortars - Pacente, C., Masi, G., Bandini, S., Franzoni, E., Bignozzi, M.	T-DD-3-4 / paper 332 / Recycled Ceramic as Supplementary Cementitious Materials for 3D printing applications - Ferrari, L., Rizzieri, G., Ferrara, L., Franzoni, E.	T-VV-3-4 / paper 97 / Textile-reinforced aerogel-incorporated cementitious composites; Part A: investigations on the matrix and analytical prediction of the composite bending behaviour - Kapsalis, P., Zochiou, L., Polyzos, E., Gkournelos, P., Tysmans, T., Triantafillou, T.	T-DP-3-4 / paper 302 / Dielectric Response of Concrete under Varying Salt Concentrations : A Maxwell-Wagner Perspective - Rai, A., Sharma, U., Ball, R.
14:00-14:15		T-DV-3-5 / paper 125 / Comparative analysis of numerical models for corrosion-induced concrete Cracking - Wildermann, G., Patel, R., Dehn, F.	T-PC-3-5 / paper 385 / Effect of Calcium on MK/GGBS Based Strain-Hardening Geopolymer Composites (SHGC) - Qian, S., Li, Z., Sankeeth, S., Das, N.	T-VR-3-5 / paper 202 / Investigating the Impact of Floor Coverings on Concrete Carbonation in Residential Buildings - Law, D., Zhang, J., Patrisia, Y.	T-DD-3-5 / paper 337 / Effects of bio-based components on rheology and printability of low cement-based 3D printable mortars - Varela, H., Canavaro Cavalcante, T., Lopesino, Y., Mendoza Reales, O., Toledo Filho, R., Barluenga, G.	T-VV-3-5 / paper 105 / Textile-reinforced aerogel-incorporated cementitious composites; part B: mechanical and thermal characterization of the matrix and the flexural composite behavior - Zochiou, L., Kapsalis, P., Tysmans, T., Triantafillou, T.	T-DP-3-5 / paper 310 / In situ Experiments with Acoustic Emission and X-ray imaging to measure damage processes in concrete - Skłodowska, A., Fritsch, T., Bergner, T., Ives, D., Widjaja, M., Landis, E.
14:15-14:30		T-DV-3-6 / paper 132 / Durability of Alkali-Activated Slag Mortars under Sodium and Magnesium Sulfate Exposure - Schultheiß, A., Patel, R., Dehn, F.	T-PC-3-6 / paper 388 / Effects of alkaline activator and slag chemistry on the solidification of Pb and Mn in alkali-activated slag - Zuo, Y., Provis, J., Criado, M.	T-VR-3-6 / paper 225 / Study on evaluation method and criteria for carbonation suppression effect of exterior finishing material - Aoki, S., Hamasaki, H., Motohashi, K., Etchuya, K., Noritake, S., Matsuzawa, K., Tsuchiya, N.	T-DD-3-6 / paper 355 / Preliminary experimental investigation on the material properties of a lightweight foamed concrete via 3D printing - Parmigliani, S., Falliano, D., Ferro, G., Restuccia, L., Van Tittelboom, K., De Schutter, G.	T-VV-3-6 / paper 151 / Influence of variable stress ratios on carbon-reinforced concrete under biaxial tensile loading - Schmidt, J., Weiß, M., Curoşu, I., Marx, S., Curbach, M.	T-DP-3-6 / paper 318 / On-demand curing control of concrete using acoustic emission monitoring - Korda, E., Snoeck, D., De Schutter, G., G. Aggelis, D.

14:30-14:45		T-DV-3-7 / paper 140 / Durability Assessment of Cementitious Materials: A Pore-Scale Numerical Study Focused on Carbonation - Tong, L., Liu, Q.	T-PC-3-7 / paper 391 / Fresh state properties of alkali-activated slag mortars incorporating wood biomass fly ash - Aghabeyk, F., Chen, B., Brito van Zijl, M., Zhang, S., Ye, G.	T-DD-3-7 / paper 370 / Use of Excavated Soil as Fine Aggregate in 3D-Printed Concrete: Effects on Fresh Properties, Strength, and Carbon Uptake - Kumar, S., Dixit, A.	T-VV-3-7 / paper 199 / Numerical modelling of TRC shell formworks: from homogenized approaches to explicit textile simulation - Saccomanno, C., Rampini, M., Zani, G., Romeo, F.	T-DP-3-7 / paper 324 / Impedance-Based Monitoring of Rheological Property Evolution in Cementitious Binders for 3D Concrete Printing - Kocherla, A., Schöensee, E., Lorenzoni, R., Mezhov, A., Strangfeld, C., Hüsken, G.
14:45-15:00		T-DV-3-8 / paper 161 / Role of Alko-Amine Inhibitor Corrosion Inhibitor Formulation in Enhancing Durability of Reinforced Concrete Subjected to Chloride-rich Exposure - Agrawal, H., Muhammad, S., Patil, A.	T-PC-3-8 / paper 71 / Evaluating Drying Techniques for Alkali-Activated Materials: Nitrogen adsorption and Thermal Insights - Alnahhal, A., Hajimohammadi, A., Kim, T.	T-DD-3-8 / paper 408 / Development of bio-based mortars with advanced functionalities for 3D-printed modular construction - Otero, M., Freire, L.	T-VV-3-8 / paper 315 / Flexural response of mineral-impregnated textile reinforced concrete - Li, T., Ghiassi, B.	T-DP-3-8
15:00-15:20	Coffee + Posters					
15:20-15:50		Keynote 4 (Chair: Nele De Belie) / Ana Bras - Nature-inspired innovations: bio-based materials for resilient buildings and structures				
15:50-16:00	Walk to your session...					
16:00-18:00		Session T-DV-4 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session T-PC-4 / TR7 / Materials: cementitious, non-cementitious, natural building materials	Session T-VR-4 / TR3 / Buildings: assessment, preservation, rehabilitation, strengthening, energy, indoor climate	Session T-DD-4 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session T-VV-4 / TR11 / Textile reinforced concrete (special session)
16:00-16:15		T-DV-4-1 / paper 285 / Comparative LCA of Carbonated Construction Products Considering Associated Permanent Carbon Storage and Waste Treatment Functions - Belizario-Silva, F., Habert, G.	T-PC-4-1 / paper 402 / Valorization of Low-Grade Limestone for Sustainable Concrete and Extended quarry reserve Life - Chauhan, A., Santhanam, M.	T-VR-4-1 / paper 72 / High thermal performance mortars with bio-based PCM for 3d printing architectural applications - Marquez, A., Morina, N., Koenders, E., Barluenga, G.	T-DD-4-1 / paper 73 / Lower the carbon footprint of buildings: comparison of rehabilitation and recycling concrete with carbon sequestration - Fang, H., Cooper, J.	T-VV-4-1 / paper 179 / Investigation of concrete spalling for carbon-reinforced concrete under high temperature - Benedix, O., Baumgärtel, E., Curbach, M., Beckmann, B.
16:15-16:30		T-DV-4-2 / paper 86 / Life Cycle Assessment of reinforced concrete structures exposed to XC4 exposure class: the influence of cement type and local microclimate - Chaitas, E., Sideris, K.	T-PC-4-2 / paper 65 / Design and characterization of repair mortar using oyster aggregates and alkali-activated slag binder - Wilson, A., Grégoire, D.	T-VR-4-2 / paper 54 / Experimental and numerical thermal assessment of 3D printed lime-cement mortars for multilayer architectural enclosures - Ramallo, L., Caggiano, A., Peralta, I., Palomar, I., Barluenga, G.	T-DD-4-2 / paper 177 / Bridging the Gap: Hybrid Binders as a Transitional Solution in Cement Standardization - Etcheverry, J., De Belie, N.	T-VV-4-2 / paper 224 / Flexural response of fire-damaged beams strengthened with C-FRCM - Elnassar, Z., Khalaf, S., Abed, F.
16:30-16:45		T-DV-4-3 / paper 107 / Embodied Energy and Carbon Footprint of Sustainable Asphalt Dike Innovations: A Comparative Study - Chi Valdespino, V., Singh, A., Varveri, A., Loeff, A.	T-PC-4-3 / paper 78 / Balancing porosity and strength in concrete incorporating oyster shells: a strategy for high-mass shell reuse - Guo, S., Hantz, T., Grégoire, D.	T-VR-4-3 / paper 101 / Climate-resilient building envelopes - Sharma, K., Francis, A., Globa, A.	T-DD-4-3 / paper 193 / Effect of Cement type on durability properties of concrete - Zhutovsky, S., Kedem, S.	T-VV-4-3 / paper 227 / Advancing sustainable materials and processes for construction with self-stressing textile reinforced concrete - Pamudji, M., Ghiassi, B.
16:45-17:00		T-DV-4-4 / paper 136 / Assessing the Sustainability Performance of Built Heritage Structures through Indicators: Integrating Life Cycle Thinking and Regulatory Frameworks - Gunduz, G., Santini, S.	T-PC-4-4 / paper 133 / An Experimental Study on Partial Replacement of Portland Cement with Zeolite Powder in Pervious Concrete - Hopkins, D., Almeida, N.	T-VR-4-4 / paper 192 / Evaluation of the Influence of Microencapsulated PCM on the Mechanical, Durability, and Thermal Performance of Sustainable Cementitious Mortars - Rabiei, F., Zanjani, M., Lagazzo, A., Rocha Ferreira, S., Ferrandiz-Mas, V., Caggiano, A.	T-DD-4-4 / paper 286 / Towards sustainable concrete: a case study on environmental performance, water, and energy use - Mack-Vergara, Y., Batista, N., Moreno, E., Arjona, K., John, V.	T-VV-4-4 / paper 248 / Influence of fabric manufacturing techniques on the tensile capacity of textile reinforced concrete (TRC) - Zare, P., Wachter, J., Konzilia, J., Feix, J., Preinstorfer, P.
17:00-17:15		T-DV-4-5 / paper 165 / Self-compacting lightweight concrete reinforced with polypropylene fibres: Highlighting mechanical Behavior and life cycle assessment - Hidalgo-Astudillo, S., Garcia-Troncoso, N., Quijano Arteaga, N., Aguado, A., Tosic, N., de la Fuente Antequera, A.	T-PC-4-5 / paper 139 / Utilisation of excavated London clay from tunneling operations in concrete – Updates from a cross-industry multidisciplinary innovation initiative - Kanavaris, F.	T-VR-4-5 / paper 256 / Multi-criteria optimization of low-carbon thermal insulation mortar for sustainable building renovation - Feuardent, T., Patapy, C., Samson, G., Binet, B., Cyr, M.	T-DD-4-5 / paper 206 / Low carbon, high performance additive solutions for pavements - Cherukupalli, S., Pathak, H., Kanaujia, S., Ruan, Y., Hacker, S., Kamble, N., Sharma, R.	T-VV-4-5 / paper 261 / Bond Behavior in Textile Reinforced Mortar Composites - Toska, K., Fitwi, T., Faleschini, F.
17:15-17:30		T-DV-4-6 / paper 352 / Assessing Climate Impacts of Supplementary Cementitious Materials in Cement: An LCA based Global Warming Potential Perspective - Jain, S., Francis, A., Bishnoi, S.	T-PC-4-6 / paper 166 / Mechanical and Durability Performance of Conventional Concrete with Partial Replacement of Fine Aggregate by Olive pit ash - Quijano Arteaga, N., Hidalgo-Astudillo, S., Rebollo, J., Aguado, A., de la Fuente Antequera, A.	T-VR-4-6 / paper 279 / Advanced Cementitious Micro-Encapsulation Using Pre-Placed Aggregate for Thermal Energy Systems - Zanjani, M., Rocha Ferreira, S., Lagazzo, A., Caggiano, A., Fachinotti, V.	T-DD-4-6 / Paper nnn / Controlling factors of crack healing in microbial-based self-healing concrete - Jianyun Wang, Fuxin Hou, Hanyu Guo	T-VV-4-6 / paper 306 / Development of Durable E-glass Textile Reinforced Cementitious Composites through Carbonation - Nayar, S., Kusumanchi, S., Parathi, S., Raj, A., Gettu, R.
17:30-17:45		T-DV-4-7 / paper 359 / Approaches for the integration of socio-economic parameters in the life cycle assessment of construction materials and buildings - Schmidt, W., Kamashanju, K., Stürwald, S., Dauda, R., Buregyeya, A., Toledo Filho, R., Misselwitz, P., Reitz, J.	T-PC-4-7 / paper 371 / Performance of High Cement-Substitution Concretes: Effect of Limestone Filler on Chloride-Ion Permeability - Ouellet-Plamondon, C., Silva Santana, J., Brial, V.	T-VR-4-7 / paper 185 / Investigating optimal wall to window ratio based on building orientation for traditional buildings in Malawi - Chirwa, S., Zhang, L., Ma, X.	T-DD-4-7 / paper 215 / Carbon Calculator FOR reducing Embodied Carbon FOOTPRINT of home Retrofitting - Achintha, M., Ma, R., Mank, A.	T-VV-4-7 / paper 358 / Influence of pH and Temperature Variations on E-Glass Textile with SBR and PVC Coatings - Elsa Thomas, G., ., N., S., V., Amri, A., Gettu, R., Wable, C.
17:45-18:00		T-DV-4-8 / paper nnn / sustainable cement starts in the lab - Butt, T.			T-DD-4-8 / paper 183 / A Sustainable Housing Model for Flood Resilience and Energy Independence in Pakistan - Hassan, M., Tariq, S., Basit, T., Jamal, M.	
19:00-22:00	Conference dinner (upon registration), location: ...					

Friday 17 April 2026

	Peristilium	Auditorium Devreker	Auditorium Picard	Auditorium Vlerick	Auditorium Denduyver	Auditorium Van Vaerenbergh
8:30-10:00		Session F-DV-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session F-PC-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials	Session F-VR-1 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Partim: Enforced carbonation and corrosion	Session F-DD-1 / TR11 / Textile reinforced concrete (special session)	Session F-VV-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials
8:30-8:45		F-DV-1-1 / paper 89 / The calcination of dredged sediments using different orders of magnitude of residence time and understanding its impact on reactivity as SCM - Peys, A., Pires Martins, N.	F-PC-1-1 / paper 374 / Guidelines for a Round-robin timber joints test within TC TPT - Aquino, C., Branco, J., Palma, P.	F-VR-1-1 / paper 75 / Mechanistic Insights into the enforced carbonation behavior of aluminate phases in cement clinker - Ma, Z., Jiang, Y., TANG, C., Shen, P., Poon, C.	F-DD-1-1 / paper 300 / Influence of impregnation systems on the structural behavior of carbon TRC I-section beams: experimental study - Pires de Paula, P., Mansur de Castro Silva, R., Scheurer, M., Morales Cruz, C., Gries, T., Matschei, T., Silva, F.	F-VV-1-1 / paper 194 / A microstructural investigation towards exploring seawater in concrete - Alzahrani, A., Achintha, M.
8:45-9:00		F-DV-1-2 / paper 124 / Influence of the bioaggregates type on the performance of sprayed lightened earth walls - Idoui, I., Laborel-Préneron, A., Perlot, C., Magniont, C., Louvard, M., Garnesson, T.	F-PC-1-2 / paper 115 / Roof tiles manufacture. Inter-relationships between raw materials selection, pre-treatment, and processing parameters with microstructure and gelivity. Resource and environmental impact optimization. - Regnotto, F., Artioli, G., Bellotto, M.	F-VR-1-2 / paper 182 / Influence of carbonation time on reactive magnesia oxide slurry and its performance in blended Portland cement - Luo, S., Wang, M., Pham, B., De Belie, N., Ling, T.	F-DD-1-2 / paper 236 / Enhancing the Shear Performance of Carbon Textile Reinforced-UHPC I-Beams through Web-Flange Detailing - Feijão, V., Silva, F., Cardoso, D.	F-VV-1-2 / paper 131 / Fresh State Properties of Red Mud Mortar Produced with Seawater - Aydoğan, O., Aydın, E., Özyurt, N.
9:100-9:15		F-DV-1-3 / paper 149 / Performance of Opuntia Ficus Indica mucilage as corrosion inhibitor in cement-based materials - Meira, G., Beserra, A., Carvalho, A.	F-PC-1-3 / paper 120 / Multi-Scale Analysis of Core Structures in Lightweight Gypsum Plasterboard Materials - Muhammad, A., Boel, V., Cnudde, V., Arancon, R., Keßler, S., Singh, S.	F-VR-1-3 / paper 111 / Enhancement of mechanical performance and carbonation in cement paste with low water content using nanobubble technology - Choi, H., Lee, D., Jeong, C., Yoo, D.	F-DD-1-3 / paper 250 / Structural Performance of TRC-Strengthened Concrete Specimens under Impact Loading - Unger, N., Schubert, T., Beckmann, B.	F-VV-1-3 / paper 268 / Petrographic features associated with alkali-aggregate-reactions in tropical aggregates - Paul, V., Cizer, Ö., Florence, U., Elsen, J.
9:15-9:30		F-DV-1-4 / paper 187 / Designing biocompatible mortar for Eriçaria Amentacea habitat restoration: Enhancing the ecological value of coastal structures - Coronel, L., Zanjani, M., Cimini, J., Rocha Ferreira, S., Mroginski, J., Asnaghi, V., Caggiano, A.	F-PC-1-4 / paper 292 / Functionally graded fibered construction materials. - Mayeva, N., Pierre, A., Elat, E., Mambou, L., Mouangué, R., Eslami, J.	F-VR-1-4 / paper 347 / Quantifying the effect of rainfall on the steel corrosion rate in carbonated concrete with hygroscopic properties. - Huet, B.	F-DD-1-4 / paper 331 / Structural performance of TRC Truss Structures under Static and Dynamic Loading - Simon, D., Peled, A., Goldfeld, Y., Silva, F.	F-VV-1-4 / paper 281 / Long-term Performance Evaluation of Concrete Exposure Blocks Incorporating Sulfide-Bearing Aggregates: A Study on more than 13 years of Exposure - Fecteau, P., Duchesne, J., Fournier, B.
9:30-9:45		F-DV-1-5 / paper 231 / Mix design, 3D-printing and surface treatment of cementitious materials to promote bioreceptivity for the European flat oyster - M. Ramaekers, M. Hughes, A. Declercq, K. Van Tittelboom, N. De Belie	F-PC-1-5 / paper 259 / Effect of Autogenous Healing on Water Permeability of Cracked Microfibre-Enhanced 3D Textile Reinforced Cementitious Composites (3D TRCs) - Gielis, C., Lefever, G., Tysmans, T., Snoeck, D.	F-VR-1-5 / paper 372 / Influence of aqueous and dry carbonation set-up on the CO2 sequestration of ladle slag and biomass-ash - Rudic, O., Pavlin, M., Tominc, S., Mittermayr, F., Ducman, V., Grengg, C.	F-DD-1-5 / paper 319 / Design Framework for Sustainable Textile-Reinforced Concrete Using Laminate Theory and Damage Modeling - Pleesudjai, C., Patel, D., Ghiassi, B., Mobasher, B.	F-VV-1-5 / paper 313 / Thermal and Mechanical Performance of CAC Concrete Exposed to Molten Salt and High-Temperature Cycles - Doostkami, H., Criado, M., Pachón Montaña, A., Alonso, M., Keßler, S., Singh, S., Álvarez Hernanz, Ó.
9:45-10:00		F-DV-1-6 / paper 204 / Impact of processing parameters on the mineralogy and conversion rates of waste-sourced sodium metasilicates - Raič, S., Steindl, F., Dietzel, M., Grengg, C.	F-PC-1-6 / paper 267 / Self-Healing of Early- and Late-Age Cracks in Concrete with Crystalline Admixtures: UPV and Image Analysis Assessment - Tamimi, Y., da Silva, D., Masuero, A., Dal Molin, D.	F-VR-1-6 / paper 382 / Energy-Efficient Synthesis of Fly Ash-Based Lightweight Aggregates with Flue Gas Carbonation - Murali, N., Gupta, S.	F-DD-1-6 / paper 230 / Carbon-textile reinforced concrete for modular, origami-based construction system: analysis of stress-transfer properties - Gomes, C., Scholzen, A., Chudoba, R.	F-VV-1-6 / paper 403 / Perspectives on durability design for low carbon binder systems - Santhanam, M.
10:00-10:30	Coffee + Posters					
10:30-12:00		Session F-DV-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA	Session F-PC-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials	Session F-VR-2 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Partim: Enforced carbonation and corrosion	Session F-DD-2 / TR11	Session F-VV-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
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10:45-11:00		F-DV-2-2 / paper 152 / On a quest for curability: unveiling the paradox of sustainable concrete and its 'skin-crete' vulnerability - Craeye, B., Moins, B., Buyle, M., Renne, N., Audenaert, A.	F-PC-2-2 / paper 218 / Enhancing compressive ductility of cementitious composites through auxetic reinforcement - Savija, B., Xu, Y., Keßler, S., Singh, S.	F-VR-2-2 / paper 353 / Micro-structured design of concrete absorber for carbon dioxide (CO2) uptakes: a machine-learning approach - Sadeghi, M., aldakheel, F., Caggiano, A., Peralta, I.		F-VV-2-2 / paper 154 / Synergistic Utilization Of Marble Dust And Calcined Clay In Ternary Cement: A Study On Industrial By-Product Integration - Liebscher, M., Jose, A., Ahmed, A., Signorini, C., Köberle, T., Mechtcherine, V.
11:00-11:15		F-DV-2-3 / paper 103 / Self healing performance evaluation of cement composite using 3 different test methods - Lee, J., Lee, K.	F-PC-2-3 / paper 377 / Capillary absorption in concrete: a pore-level insight - Malenica, L., Zhang, Z., Angst, U.	F-VR-2-3 / paper 389 / Carbon cured cementitious materials as a solution for Urban Heat Island mitigation - Goracci, G., Saeed, E., Dolado, J.		F-VV-2-3 / paper 238 / Effect of Calcination Temperature on the Reactivity of Stubble Burnt Ash for MgO-Based Ternary Binder - Singh, L., Misra, A.
11:15-11:30		F-DV-2-4 / paper 147 / Inverse Estimation of Chloride Diffusion Coefficient in Healed Crack Using COMSOL Technology - Huang, Z., Cuenca, E., Ferrara, L.	F-PC-2-4 / paper 273 / Validation of the empirical factors from the dewar packing model for particle interference of fine and coarse aggregate mixtures - Caulier, S., Minne, P., Vandevyvere, B., Gezels, B., Gruyaert, E.	F-VR-2-4 / paper 392 / Optimizing CO2 conversion efficiency in reclaimed concrete water through mineral carbonation and pH-driven process monitoring - Jang, I., Moon, H., Hong, S., Park, G., Park, J., Lee, N.		F-VV-2-4 / paper 269 / Effect of drying at early age on the carbonation of ternary binder with high limestone filler (50%) - Bertin, M., Jainin, Y., Cyr, M., Alfani, R.
11:30-11:45		F-DV-2-5 / paper 57 / Determination of the oxidation depths of GGBFS-containing cement pastes using Mn K-edge XANES spectroscopy - Tambara, L., Nikoonasab, A., Guilherme Buzanich, A., Gluth, G.	F-PC-2-5 / paper 314 / Isolating the influence of quenching-induced and grinding-induced defects on tricalcium silicate hydration - Marsh, A., Bour, T., Scrivener, K.	F-VR-2-5 / paper 394 / Nano- and micro-characterisation on the heterogeneity of ITZs in recycled lump concrete - Zhao, H., Li, W.		F-VV-2-5 / paper 270 / The effect of MgO and CaO on the early age hydration and setting of LC3 pastes - Ushettige, N., Blanco, A., Goodier, C., Cavalaro, S.
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12:00-12:30		Keynote 5 (Chair: Geert De Schutter) / Paulo Laureço - Built Cultural Heritage and earthquakes: More than 1000 shaking table tests, the new European code and applications				
12:30-13:00		Closing session (Chair Geert De Schutter and Nele De Belie) Best paper awards, closing address (RILEM President Nele De Belie)				
13:00-13:30		Closing drink				

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35	Microscopic moisture absorption process and progressive damage analysis of concrete based on two-phase fluid solid coupling and phase field method	Jiang, W.	Materials: cementitious, non-cementitious, natural building materials
61	Waste plastic reinforced with construction demolition waste - novel waste stream	Czarnecki, S., Dzik, W., Chajec, A., Sobczyk, K., Borowczak, M., Chowaniec, A., Krzywiński, K.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
158	Study of pH prediction technique for carbonated concrete through concrete composition analysis	Lee, H., Seo, E., Kim, J.	Non-destructive characterisation of construction materials and processes (Special Session)
159	Durability Assessment of Coastal Nuclear Power Plant Concrete: Fly Ash Replacement and Seawater Immersion Analysis	Seo, E., Lee, H.	Materials: cementitious, non-cementitious, natural building materials
174	Exploratory Study on the Effect of Ash Type and Content on Carbon-Cured Cement-Free Binders	Heyndrickx, M., Sun, B., Boel, V., Matthys, S.	Materials: cementitious, non-cementitious, natural building materials
278	Sustainable alkali-activated materials with biochar addition	Baldazzi, L., Saccani, A., Manzi, S.	Materials: cementitious, non-cementitious, natural building materials
287	Strategies and public policies towards sustainable concrete	Mack-Vergara, Y., Batista, N., Moreno, E., John, V.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
363	Effect of magnesium nitrate on the strength and microstructure of cementless binders	Suh, J., Kim, J., Lim, G., Keßler, S., Singh, S.	Materials: cementitious, non-cementitious, natural building materials
366	Stray DC Currents from Rail Systems: Effects on Reinforced Concrete Durability and Cracking Behavior	Lapiro, I., Eid, R., Kovler, K.	Infrastructure: structural behaviour, robustness, assessment, repair
390	Enhancing Sustainability in Pavement Materials: A Predictive Modeling Approach	Alharthai, M.	Bituminous materials: characterisation modelling and analysis to support circular economy (Special Session)
396	The fate of heavy metals in recycled cement pastes upon enforced carbonation	Park, K., Zajac, M., Matschei, T., Vollpracht, A.	Carbonation and CO ₂ uptake in coated and uncoated cementitious materials (Special Session)
406	Toward One-part Alkali-activated Metakaolin via Inter-grinding: Assessing Reaction and Physical Properties	Setiawan, M., White, C.	Materials: cementitious, non-cementitious, natural building materials
415	Structural build-up of alkali-activated slag paste: Separating reversible and irreversible contributions	Matos, P., Comerlato, G., Rodriguez, E.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
416	One-part alkali-activated slag formulation for 3D concrete printing applications	Rodriguez, E., Comerlato, G., Longhi, M., Matos, P.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
417	Accelerating Sustainable Material Development with SLAMD: Case Studies Using Recycled Materials	Zia G.A.J., Torres, B.M., Kruschwitz, S.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
418	Meta-Design: A Multi-Paradigm Active Learning Framework for Inverse Design of Sustainable Cementitious Materials	Zia G.A.J., Torres, B.M., Kruschwitz, S.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA