

**Wednesday 15 April 2026 - 8:00-13:20**

	Auditorium Quetelet	Auditorium Devreker
8:00-...	Registration in Peristilium	
8:40-9:00	<b>Welcome &amp; Opening (Chair: Geert De Schutter and Nele De Belie)</b>	
8:40-8:45	Geert De Schutter, welcome on behalf of UGent	
8:45-9:00	Nele De Belie and Niki Trochoutsou, welcome on behalf of RILEM	
9:00-10:00	<b>Colonnetti Lectures (Chair: Daman Panesar)</b>	
9:00-9:30	Johannes Mirwald	
9:30-10:00	Muhammad Riaz Ahmad	
10:00-10:30	Coffee and posters, in Peristilium and Foyer	
10:30-12:00	<b>TC presentations (Chair: Daman Panesar)</b>	<b>TC presentations (Chair: Kei-ichi Imamoto)</b>
10:30-11:00	292-MCC / Barzin Mobasher - Mechanical Characterization and Structural design of Textile Reinforced Concrete	<b>Keynote / Caijun Shi - Advances in Understanding Carbon Mineralization for Low/Negative Carbon Construction Materials and Products</b>
11:00-11:30	285-TMS / Changwen Miao - Test method for concrete durability under combined role of sulphate and chloride ions, revised proposal	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
11:30-12:00	296-ECS / Sylvia Kessler - Assessment of electrochemical methods to study corrosion of steel in concrete	295-FBB / A. (Katerina) Varveri - Fingerprinting bituminous binders using physico-chemical analysis
12:00-12:50	Lunch and posters, in Peristilium and Foyer	
12:50-13:20	<b>Keynote / Maria Juenger - Addressing workability challenges with calcined clays (Chair: Nele De Belie)</b>	

**Wednesday 15 April 2026 - 13:20-15:30**

	Auditorium Quetelet	Auditorium Devreker	Auditorium Picard
13:20-13:30	Walk to your session		
13:30-15:00	<b>Session W-QT-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Kosmas Sideris, Philippe Turcry</b>	<b>Session W-DV-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Sofiane Amziane, Neven Ukrainczyk</b>	<b>Session W-PC-1 / TR11 / Textile reinforced concrete (special session) - Chairs: Barzin Mobasher, Flavio Silva</b>
13:30-13:45	W-QT-1-1 / paper 239 / Investigating the use of biochar as an additive for climate-neutral concrete - Tawiah, A., Stürwald, S., Thiedeitz, M., Schmidt, W.	W-DV-1-1 / paper 26 / Tailored Poisson's Ratio-reinforced Cementitious Composites for Flexural Applications - Bol, R., Zhou, W., Meng, Z., Schlangen, E., Šavija, B.	W-PC-1-1 / paper 186 / Textile-Reinforced Mortars: can they be smart-ified? - Trochoutsou, N., Ferrara, L. ( <b>Longer presentation</b> )
13:45-14:00	W-QT-1-2 / paper 48 / Potential of Using Agricultural Residues in Composite Materials - Maury-Ramirez, A., Blom, J., Wurm, J., Rinke, M.	W-DV-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.	<b>W-PC-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.</b>
14:00-14:15	W-QT-1-3 / paper 87 / Influence of crystalline admixtures on the durability of concrete mixtures - Androutsos, K., Sideris, K.	W-DV-1-3 / 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-PC-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.
14:15-14:30	W-QT-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-DV-1-4 / paper 163 / Hydration kinetics and phase assemblage modeling of blended cements - Pham, H., Pham, H., Cizer, Ö., Phung, Q., Joseph, S., Seetharam, S., Laloy, E., Jacques, D., Liu, S.	W-PC-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.
14:30-14:45	W-QT-1-5 / paper 189 / Bio-based emulsion for pavement - Tran, T., Gaudefroy, V., Cantot, J., Tapin, B., Chailleux, E.		W-PC-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.
14:45-15:00	W-QT-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 226 / Development of calcined clay-based textile reinforced concrete - Pamudji, M., Ghiassi, B.
15:00-15:30	Coffee and posters, in Peristilium and Foyer		

**Wednesday 15 April 2026 - 15:30-19:30**

	Auditorium Quetelet	Auditorium Devreker	Auditorium Picard
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**Wednesday 15 April 2026 - 13:20-15:30**

	Auditorium Vlerick	Auditorium Van Vaerenbergh	Auditorium Denduyver
13:20-13:30	Walk to your session		
13:30-15:00	<b>Session W-VR-1 / TR8 / Processes: mixing, pumping, casting, 3D printing - Chair: Dengwu Jiao, Yiyuan Zhang</b>	<b>Session W-VV-1 / TR3 / Buildings: assessment, preservation, rehabilitation, strengthening, energy, indoor climate - Chair: Julie Hot</b>	
13:30-13:45	W-VR-1-1 / paper 381 / Concrete Rheometry: Mission Impossible? - Feys, D., Muthukrishnan, S., Rezaev, R., Mikhalev, D., Mechtcherine, V.	W-VV-1-1 / paper 386 / Antimicrobial coatings for heritage stones - Sassoni, E., Artusi, C., Bernardi, E., Boanini, E., Cappelletti, M., Chiavari, C., Cianciavicchia, M., Cocchi, L., Cofini, E., Dal Pozzo, A., Fedi, S., Ghezzi, D., Gabrielli, A., Graziani, G., Ortelli, S., Tomiato, E., Zanoni, I.	
13:45-14:00	W-VR-1-2 / paper 345 / The rheology of cement systems containing carbonated cement paste - Troian, V., Panek, R., J. Flatt, R.	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.	
14:00-14:15	W-VR-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-1-3 / 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., Fajenweg, K., Menini, P.	
14:15-14:30	W-VR-1-4 / paper 322 / Data-Driven Process Control for Concrete Pumping: from monitoring to predictive intervention - Mikhalev, D., Rezaev, R., Mechtcherine, V.	W-VV-1-4 / paper 354 / Test on cores to determine compressive properties of existing masonry: influence of cap material and geometry - Ferretti, F., Zhou, C., Mazzotti, C.	
14:30-14:45	W-VR-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.		
14:45-15:00	W-VR-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 and posters, in Peristilium and Foyer		

**Wednesday 15 April 2026 - 15:30-19:30**

	Auditorium Vlerick	Auditorium Van Vaerenbergh	Auditorium Denduyver
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15:30-18:00	<b>Session W-QT-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Wolfram Schmidt, Anya Vollpracht</b>	<b>Session W-DV-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Yury Villagran Zaccardi</b>	<b>Session W-PC-2 / TR5 / Infrastructure: structural behaviour, robustness, assessment, repair - Chair: Hans Beushausen, Niki Trochoutsou</b>
15:30-15:45	W-QT-2-1 / paper 93 / ECOPAVE: Towards Sustainable concrete pavements using high volumes of construction, demolition, and industrial wastes as constituent replacements - Patel, R., Schultheiß, A., Dehn, F., Singh, S., Santhanam, M., Knoblich, P., Totev, T., Pandey, D.	W-DV-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.	W-PC-2-1 / paper 46 / Origami-reinforced Cementitious Composites - Zhou, W., Meng, Z., Bol, R., Šavija, B.
15:45-16:00	W-QT-2-2 / paper 283 / Evaluation of water demand of screed mixtures using secondary sands - Yaqub, M., Boel, V., Matthys, S.	W-DV-2-2 / paper 98 / Use of waste glass as supplementary material in cementitious systems - Kesikidou, F., Tsardaka, E., Tsampali, E., Konopisi, S., Stefanidou, M.	W-PC-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.
16:00-16:15	W-QT-2-3 / paper 221 / Assessment methods and classification models for the reuse of reinforced concrete elements - Al-Shbout, O., Ringeloth, D., Bijeljčić, J., Niederleithinger, E., Curoşu, I.	W-DV-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-PC-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.
16:15-16:30	W-QT-2-4 / paper 31 / Durability and Mechanical Performance of 3D Printed Concrete Incorporating Recycled Construction and Demolition Waste - Ditlhokwa, A., van Zijl, G., Babafemi, A.	W-DV-2-4 / paper 121 / Lithium mining waste in concrete production - Maddalena, R., Chougan, M., Kinnunen, P.	W-PC-2-4 / paper 42 / Large-scale performance evaluation of permeable concrete pavement - Fakhar Shakeri, Z., San Nicolas, R., Miri Disfani, M. <b>RECORDED</b>
16:30-16:45	W-QT-2-5 / paper 39 / Lattice Discrete Particle Modelling of recycled aggregate concrete: Calibration and validation - Hu, X., Gruyaert, E., Molkens, T., Wan-Wendner, L.	W-DV-2-5 / paper 190 / Effect of Tire and Industrial Steel Fiber Mix on Structural-Grade Concrete Performance - Zia, A., Holly, I.	W-PC-2-5 / paper 330 / A Thermo-Mechanical Model for Assessing Early-Age Thermal Cracking in Mass Concrete - Sai Varma, K., Rahul, A.
16:45-17:00	W-QT-2-6 / paper 100 / Effect of selective demolition and recycling method on properties of recycled concrete aggregates - Nedeljkovic, M., van den Bos, J.	W-DV-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-PC-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.
17:00-17:15	W-QT-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-DV-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-PC-2-7 / 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.
17:15-17:30	W-QT-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-DV-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-PC-2-8 / paper 90 / Structural performance of 3D printed concrete beams with CFRP reinforcement: a parametric investigation of shear behavior - Dilkin, E., Engel, S., Classen, M.
17:30-17:45	W-QT-2-9 / paper 137 / Evaluating enforced carbonation of field-sourced recycled concrete fine - Sandalci, I., Tahtali, Y., Gediksiz, E., Bilici, S., Gokalp, I., Basaran Bundur, Z.	W-DV-2-9 / paper 334 / Effect of acid and cement slurry treatment of recycled aggregate on concrete performance - Olonade, K., Ganiyu, J.	W-PC-2-9 / paper 305 / Evaluation of Coating Effect Reduction to Suppress Concrete Carbonation based on Field Survey - Imamoto, K.
17:45-18:00		W-DV-2-10 / paper 76 / Engineering Sustainable Binders: The Role of Calcined Marl and Clays in LC3- Systems - Maravelaki, P., De Nardi, C.	
18:00-19:30	<b>Group Picture at 18:00 + Welcome Reception, in Foyer</b>		

15:30-18:00	<b>Session W-VR-2 / TR6 / Innovation: nanotechnology, responsive polymers, active control - Chair: Geert De Schutter, Yi Zhang</b>	<b>Session W-VV-2 / TR2 / Bituminous materials: characterisation modelling and analysis to support circular economy (Special Session) - Chair: Eshan Dave</b>	<b>Session W-DD-2 / TR12 / Time-dependent behaviour of cast and printed concrete (Special Session) - Chairs: Roman Wan-Wendner, Kim Van Tittelboom</b>
15:30-15:45	W-VR-2-1 / paper 27 / Magneto-rheology control in 3D concrete printing - Jiao, D.	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.	W-DD-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.
15:45-16:00	W-VR-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-DD-2-2 / paper 122 / Time-dependent overhang formation in 3D concrete printing: from accelerator baselines to toolpath strategies - Florenzano, D., Naboni, R.
16:00-16:15	W-VR-2-3 / paper 77 / Vane Tests of Mortar with Added Magneto-Responsive Particles under Uniform Magnetic Flux Densities beyond 0.55 Testas - Ehle, F., Heik, P., Echt, T., Göbel, L.	W-VV-2-4-3 / 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-DD-2-3 / paper 155 / Temperature-dependent early-age properties of 3D printed concrete - Soave, F., Wolfs, R., Muciaccia, G., Ferrara, L.
16:15-16:30	W-VR-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-DD-2-4 / paper 176 / Using Superabsorbent Polymers For Curing Of Expansive Concrete - Dräger, J., Dhahir, M., Schröfl, C., Beckmann, B., Marx, S.
16:30-16:45	W-VR-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., Looft, A.	W-DD-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-VR-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-VV-2-6 / paper 191 / Mechanistic-Empirical Design Framework for Cold Recycled Asphalt Pavements - Al-Ihekwa, E., Dave, E., Sias, J., Tebaldi, G.	W-DD-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-VR-2-7 / paper 66 / Functionalization of self-sensing 3D printed mortars for building monitoring - Lopesino, Y., Puentes, J., Marquez, A., Barluenga, G.	W-VV-2-7 / paper 304 / Performance evaluation of recycled asphalt mixtures with alternative paving materials in Finnish road networks - Cannone Falchetto, A.	W-DD-2-7 / paper 333 / Software for mechanical characterization and design of textile-reinforced concrete in flexure - Patel, D., Plesudjai, C., Mobasher, B.
17:15-17:30	W-VR-2-8 / paper 135 / Assessment of sodium silicate delivery via embedded vascular networks in cracked concrete exposed to aggressive environments - Giaretton Cappellesso, V., Shields, Y., Gruyaert, E., Van Tittelboom, K., De Belie, N.	W-VV-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-DD-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-VR-2-9 / paper 217 / Development of bio-encapsulated phase change materials via combined coacervation and spray drying for building integration - pezzoli, C., zanoni, F., Caggiano, A., Rocha Ferreira, S.		W-DD-2-9 / paper 340 / Short-term creep response and anisotropic strength of 3D printed concrete in compression - Babafemi, A., Ibrahim, K.
17:45-18:00			<b>W-DD-2-10 / paper 341 / Comparison of creep and shrinkage models in the context of concrete exposed to elevated temperatures - Seetharam, S., Gibellib, A., Phung, Q., Caspeete, R., Wan-Wendner, R.</b>
18:00-19:30	<b>Group Picture at 18:00 + Welcome Reception, in Foyer</b>		

**Thursday 16 April 2026 - 8:20-13:00**

	Auditorium Quetelet	Auditorium Devreker	Auditorium Picard
8:00-...	Registration in Peristilium		
8:20-8:40	Globe presentation / David Ruggiero - Global Consensus on Sustainability in the Built Environment (Chair: Nele De Belle)		
8:40-9:10	Keynote / 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 (Chair: Geert De Schutter)		
9:10-9:15	Walk to your session ...		
9:15-10:00	Session T-QT-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Kala Kondepudi	Session T-DV-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Emmanuel Chailleux	Session T-PC-1 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Chairs: Gregor Gluth, Susan Bernal
9:15-9:30	T-QT-1-1 / paper 59 / Environmental compatibility of waste incineration ashes as a substitution for aggregates - Kruppa, H., Vollpracht, A.	T-DV-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-PC-1-1 / paper 56 / CO2 Uptake in Blended Cements over Decadal Timescales - Rathnakumar, S., Malchiodi, B., Zunino, F., Scrivener, K.
9:30-9:45	T-QT-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-DV-1-2 / paper 41 / Utilisation of recycled concrete powder to activate calcined clay in LC3 systems - Al-Janabi, A., Hafez, H., Black, L.	T-PC-1-2 / paper 209 / Accelerated carbonation of alkali activated binders obtained by different byproducts - Masi, G., Pacente, C., Bandini, S., Franzoni, E., Bignozzi, M.
9:45-10:00	T-QT-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-DV-1-3 / paper 404 / repurposing waste concrete fines in binders for additive manufacturing of concrete - Vislavath, H., Gettu, R., Santhanam, M.	T-PC-1-3 / paper 338 / Thermodynamic calculation based reactive transport modeling to study carbonation in low-carbon concrete - Pang, Q., Weiss, J., Isgor, B.
10:00-10:30	Coffee and posters, in Peristilium and Foyer		
10:30-11:30	Session T-QT-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Elke Gruyaert	Session T-DV-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Bruno Huet, Fragkoulis Kanavaris	Session T-PC-2 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Chairs: Gregor Gluth, Susan Bernal
10:30-10:45	T-QT-2-1 / paper 327 / Artificial aggregates from waste pelletization to promote concrete sustainability - Corinaldesi, V., Tittarelli, F., Generosi, N., Donnini, J.	T-DV-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-PC-2-1 / paper 64 / What about the CO2 uptake after the service life of concrete structure? - Turcry, P., Mahieux, P., Hou, Y.
10:45-11:00	T-QT-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-DV-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-PC-2-2 / paper 357 / Carbonation Profiling of Metakaolin Blended Cements by <sup>1</sup> H NMR relaxometry - Zhang, R., Joseph, S., Cizer, Ö.
11:00-11:15	T-QT-2-3 / paper 364 / Efficient Direct Air Capture CO2 using Steel Slag - Tang, C., Ma, Z., Shen, P., Poon, C.	T-DV-2-3 / paper 80 / A review on activated clays as key precursors in the formulation of sustainable hybrid alkali-activated cements - Shagñay Pucha, S., Ke, X., Heath, A., Bernal, S.	T-PC-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.
11:15-11:30	T-QT-2-4 / paper nnn / sustainable cement starts in the lab - Butt, T.	T-DV-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.	
11:30-11:35	Walk to the Keynote...		
11:35-12:05	Keynote / A. (Katerina) Varveri - Engineering sustainable and durable paving materials through chemomechanical optimization (Chair: Nele De Belle)		
12:05-13:00	Lunch and posters, in Peristilium and Foyer		

**Thursday 16 April 2026 - 13:00-16:00**

	Auditorium Quetelet	Auditorium Devreker	Auditorium Picard
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**Thursday 16 April 2026 - 8:20-13:00**

	Auditorium Vlerick	Auditorium Van Vaerenbergh	Auditorium Denduyver
8:00-...	Registration in Peristilium		
8:20-8:40	Globe presentation in Auditorium Quetelet		
8:40-9:10	Keynote Presentation in Auditorium Quetelet		
9:10-9:15	Walk to your session ...		
9:15-10:00	Session T-VR-1 / TR8 / Processes: mixing, pumping, casting, 3D printing - Chair: Eric Landis	Session T-VV-1 / TR9 / Recent developments in data and meta-data management (special session) - Chairs: Sandra Nunes, Ravi Patel	
9:15-9:30	T-VR-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 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-VR-1-2 / paper 52 / 3D 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 55 / Sustainable Optimization of Ultra-High-Performance Concrete Using Recycled Fines and CO <sub>2</sub> Mitigation: A Machine Learning and Swarm Intelligence Framework - Farouk, A., Dulajjan, S., Abdulrahman, S., Al-Osta, M., Abba, S.	
9:45-10:00	T-VR-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 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 and posters, in Peristilium and Foyer		
10:30-11:30	Session T-VR-2 / TR8 / Processes: mixing, pumping, casting, 3D printing - Chair: Yehon Jacquot, Yiyuan Zhang	Session T-VV-2 / TR9 / Recent developments in data and meta-data management (special session) - Chairs: Sandra Nunes, Agnieszka Jędrzejewska	Session T-DD-2 / TR5 / Infrastructure: structural behaviour, robustness, assessment, repair - Chair: Liberato Ferrara, Takafumi Noguchi
10:30-10:45	T-VR-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 297 / Optimizing Concrete Mix Design Using a Database Model - Liard, M., Gnos, T., Vetsch, R., Stürwald, S.	T-DD-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.
10:45-11:00	T-VR-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 311 / From Lab Data towards Machine-Learning: Managing Data In International Projects - Schultheiß, A., Patel, R.	T-DD-2-2 / paper 222 / Quantifying the Impact of Artificial surface roughness on the Bond Performance of Commercial Repair Mortars - Bielen, H., Beyers, J., Lefever, G., Aggelis, D., Audenaert, A., Craeye, B.
11:00-11:15	T-VR-2-3 / paper 172 / Preliminary results on the influence of recycled concrete aggregates in 3D printed mortars - Hermida, J., Tosic, N., Etxeberria, M., de la Fuente Antequera, A.	T-VV-2-3 / paper 320 / FAIR Digital Objects for Structured Scientific Data: concepts for sustainable registration, discovery and reuse - Unger, J., Iglezakis, D., Robens-Rademacher, A.	T-DD-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.
11:15-11:30	T-VR-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 336 / Beyond ISO 5725-2: Robust Statistical Methods for Precision and Reproducibility in Materials Testing - Moro, F., KeBler, S.	T-DD-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.
11:30-11:35	Walk to the Keynote...		
11:35-12:05	Keynote Presentation in Auditorium Quetelet		
12:05-13:00	Lunch and posters, in Peristilium and Foyer		

**Thursday 16 April 2026 - 13:00-16:00**

	Auditorium Vlerick	Auditorium Van Vaerenbergh	Auditorium Denduyver
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13:00-15:00	<b>Session T-QT-3 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Bart Craeye, Ravi Patel</b>	<b>Session T-DV-3 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Guang Ye, Semion Zhutovsky</b>	<b>Session T-PC-3 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Chairs: Gregor Gluth, Juan Etcheverry</b>
13:00-13:15	T-QT-3-1 / paper 257 / Characterization of 3D-printed concrete after 48 months of natural carbonation in the Swiss Alps - Lima, L., Su, Z., Zahno, V., Tennenini, C., Bernal, S., Wangler, T., J. Flatt, R.	T-DV-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-PC-3-1 / paper 400 / The concept of degree of carbonation and experimental evidence - Andrade, C.
13:15-13:30	T-QT-3-2 / paper 24 / Durability of polymer-based coatings on reinforced concrete bridge curbs - Paglia, C.	T-DV-3-2 / paper 326 / Extrudable LC3 foamed composites reinforced with recycled carbon fibres for automated production - Jose, A., Berdini, D., Gomzyakov, A., Donnini, J., Corinaldesi, V., Mechtcherine, V., Liebscher, M., Signorini, C.	T-PC-3-2 / paper 146 / Carbon dioxide sequestration in concrete - A simplified uptake assessment via muffle furnace - Davolio, M., Muciaccia, G., Ferrara, L.
13:30-13:45	T-QT-3-3 / paper 74 / Insights into ASR-induced cracking: mechanism of product formation, expansive stress and crack propagation - Gupta, M., Patel, R.	T-DV-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-PC-3-3 / paper 160 / Key factors for understanding carbon dioxide uptake capacity in biochar-based cementitious materials. - Neves Junior, A.
13:45-14:00	T-QT-3-4 / paper 88 / Durability of concretes produced with low carbon cements - Kalaitzis, A., Sideris, K.	T-DV-3-4 / paper 367 / Ideal solid-solution thermodynamic modeling of geopolymers across acidic and alkaline conditions - Ukrainczyk, N.	T-PC-3-4 / paper 271 / CO2 uptake capacity of wood biomass ash based mortars - Pacente, C., Masi, G., Bandini, S., Franzoni, E., Bignozzi, M.
14:00-14:15	T-QT-3-5 / paper 125 / Comparative analysis of numerical models for corrosion-induced concrete Cracking - Wildermann, G., Patel, R., Dehn, F.	T-DV-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-PC-3-5 / 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.
14:15-14:30	T-QT-3-6 / paper 132 / Durability of Alkali-Activated Slag Mortars under Sodium and Magnesium Sulfate Exposure - Schultheiß, A., Patel, R., Dehn, F.	T-DV-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.	
14:30-14:45	T-QT-3-7 / paper 140 / Durability Assessment of Cementitious Materials: A Pore-Scale Numerical Study Focused on Carbonation - Tong, L., Liu, Q.	T-DV-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.	
14:45-15:00	T-QT-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-DV-3-8 / paper 71 / Evaluating Drying Techniques for Alkali-Activated Materials: Nitrogen adsorption and Thermal Insights - Alnahhal, A., Hajimohammadi, A., Kim, T.	
15:00-15:20	<b>Coffee and posters, in Peristilium and Foyer</b>		
15:20-15:50	<b>Keynote / Ana Bras - Nature-inspired innovations: bio-based materials for resilient buildings and structures (Chair: Nele De Belie)</b>		
15:50-16:00	<b>Walk to your session ...</b>		

**Thursday 16 April 2026 - 16:00-22:00**

	<b>Auditorium Quetelet</b>	<b>Auditorium Devreker</b>	<b>Auditorium Picard</b>
16:00-18:00	<b>Session T-QT-4 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Didier Snoeck, Natalia Alderete</b>	<b>Session T-DV-4 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Enrico Sassoni, Song Mu</b>	<b>Session T-PC-4 / TR3 / Buildings: assessment, preservation, rehabilitation, strengthening, energy, indoor climate - Chair: Andreas Rogge, Romildo Dias Toledo</b>
16:00-16:15	T-QT-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-DV-4-1 / paper 402 / Valorization of Low-Grade Limestone for Sustainable Concrete and Extended quarry reserve Life - Chauhan, A., Santhanam, M.	T-PC-4-1 / paper 72 / High thermal performance lightweight mortars with bio-based PCM for 3d printing architectural applications - Marquez, A., Morina, N., Koenders, E., Bartuenga, G.
16:15-16:30	T-QT-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-DV-4-2 / paper 65 / Design and characterization of repair mortar using oyster aggregates and alkali-activated slag binder - Wilson, A., Grégoire, D.	T-PC-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., Bartuenga, G.
16:30-16:45	T-QT-4-3 / paper 136 / Assessing the Sustainability Performance of Built Heritage Structures through Indicators: Integrating Life Cycle Thinking and Regulatory Frameworks - Gunduz, G., Santini, S.	T-DV-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-PC-4-3 / paper 101 / Climate-resilient building envelopes: comparative energy performance of mycelium-bound composites (MBC) and conventional insulation materials - Sharma, K., Francis, A., Globa, A.

13:00-15:00	<b>Session T-VR-3 / TR8 / Processes: mixing, pumping, casting, 3D printing - Chair: Dimitri Feys, Kolawole Olonade</b>	<b>Session T-VV-3 / TR11 / Textile reinforced concrete (special session) - Chairs: Alva Peled, Barzin Mobasher</b>	<b>Session T-DD-3 / TR1 / Non-destructive characterisation of construction materials and processes (Special Session) - Chairs: Dimitris Aggelis, Giuseppe Lacidogna, John Popovics</b>
13:00-13:15	T-VR-3-1 / paper 205 / Bond assessment and enhancement of 3D printed-cast concrete interfaces - Saelens, L., Wan-Wendner, R., Caspeele, 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-DD-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-VR-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.	T-DD-3-2 / paper 247 / Monitoring of heterogeneity in cementitious materials based on dispersive ultrasound - Lefever, G., Ospitia, N., Aggelis, D., De Belie, N.
13:30-13:45	T-VR-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-DD-3-3 / paper 308 / Air-coupled ultrasonic assessment of concrete damage and repair - Lefever, G., Popovics, J., G. Aggelis, D.
13:45-14:00	T-VR-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 179 / High-temperature-induced concrete spalling - Benedix, O., Baumgärtel, E., Curbach, M., Beckmann, B.	T-DD-3-4 / paper 302 / Dielectric Response of Concrete under Varying Salt Concentrations : A Maxwell-Wagner Perspective - Rai, A., Sharma, U., Ball, R. <b>RECORDED</b>
14:00-14:15	T-VR-3-5 / paper 337 / Effects of bio-based components on rheology and printability of low cement-based 3D printable mortars - Varela, H., Canavarro Cavalcante, T., Lopesino, Y., Mendoza Reales, O., Toledo Filho, R., Bartuenga, G.	T-VV-3-5 / paper 224 / Flexural response of fire-damaged beams strengthened with C-FRCM - Elnassar, Z., Khalaf, S., Abed, F. <b>RECORDED</b>	T-DD-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-VR-3-6 / paper 355 / Preliminary experimental investigation on the material properties of a lightweight foamed concrete via 3D printing - Parmigiani, 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-DD-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-VR-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. <b>RECORDED</b>	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-DD-3-7 / paper 324 / Impedance-Based Monitoring of Rheological Property Evolution in Cementitious Binders for 3D Concrete Printing - Kocherla, A., Schönsee, E., Lorenzoni, R., Mezhev, A., Strangfeld, C., Hüsken, G.
14:45-15:00	T-VR-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.	<b>T-DD-3-8 / paper 263 / Monitoring of heat-damaged TRM-Confined Concrete through NDTs - Toska, K., Tsangouri, E., Beaucour, A., Noumowe, A., G. Aggelis, D.</b>
15:00-15:20	<b>Coffee and posters, in Peristilium and Foyer</b>		
15:20-15:50	Keynote presentation in Auditorium Quetelet		
15:50-16:00	<b>Walk to your session ...</b>		

**Thursday 16 April 2026 - 16:00-22:00**

	<b>Auditorium Vlerick</b>	<b>Auditorium Van Vaerenbergh</b>	<b>Auditorium Denduyver</b>
16:00-18:00	<b>Session T-VR-4 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Anibal Maury-Ramirez, Stéphanie Staquet</b>	<b>Session T-VV-4 / TR11 / Textile reinforced concrete (special session) - Chairs: Flavio Silva, Matteo Colombo</b>	<b>Session T-DD-4 / TR1 / Non-destructive characterisation of construction materials and processes (Special Session) - Chairs: Dimitris Aggelis, Giuseppe Lacidogna, John Popovics</b>
16:00-16:15	T-VR-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 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-DD-4-1 / Paper 28 / Unveiling the Steel-Concrete Interfacial Characteristics Influencing Chloride-Induced Corrosion Initiation Using X-ray Computed Tomography - Governo, S., Rossi, E., Azad, S., Kaestner, A., Angst, U.
16:15-16:30	T-VR-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 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-DD-4-2 / paper 70 / Designing a Semi-Automated Testing Framework for Structural Re-Use of Concrete Elements - Hendricks, J., Dilkin, E., Classen, M.
16:30-16:45	T-VR-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.	T-DD-4-3 / paper 150 / Non-destructive Evaluation of Damage Progression in GFRP-bar Reinforced Concrete Beams Through Multi-Technical Analysis - Lacidogna, G., Jiang, Z., Friedrich, L., Iturr, I.

16:45-17:00	T-QT-4-4 / 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-DV-4-4 / paper 133 / An Experimental Study on Partial Replacement of Portland Cement with Zeolite Powder in Pervious Concrete - Hopkins, D., Almeida, N.	T-PC-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.
17:00-17:15	T-QT-4-5 / 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-DV-4-5 / paper 139 / Utilisation of excavated London clay from tunneling operations in concrete - Updates from a cross-industry multidisciplinary innovation initiative - Kanavaris, F., Tsoumelekas, A., Dhandapani, Y., Papakosta, A. Bernal, S.A.	T-PC-4-5 / paper 256 / Multi-criteria optimization of low-carbon thermal insulation mortar for sustainable building renovation - Feuarent, T., Patapy, C., Samson, G., Binet, B., Cyr, M.
17:15-17:30	T-QT-4-6 / paper 359 / Approaches for the integration of socio-economic parameters in the life cycle assessment of construction materials and structures - Schmidt, W., Kamashanju, K., Stürwald, S., Dauda, R., Buregyeya, A., Toledo Filho, R., Misselwitz, P., Reitz, J.	T-DV-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-PC-4-6 / paper 279 / Development of advanced cementitious composites using the pre-placed macro-encapsulation aggregate method for thermal energy storage systems - Zanjani, M., Rocha Ferreira, S., Lagazzo, A., Caggiano, A., Fachinotti, V.
17:30-17:45		T-DV-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-PC-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.
17:45-18:00			
19:00-22:00	<b>Conference dinner (upon registration)</b>		

16:45-17:00	T-VR-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.	T-DD-4-4 / paper 210 / Geometric and Material Parameters in the Manual Draping of Carbon Textiles on Waterbomb Modules - Cortes Satizabal, L., Ramachandran, T., Heins, K., Gries, T.
17:00-17:15	T-VR-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 carbon and basalt Textile Reinforced Mortar Composites - Toska, K., Fitwi, T., Faleschini, F.	T-DD-4-5 / paper 323 / Detection of different orientations of internal cracks in concrete utilizing impact-echo data analysed by AI based on un/supervised deep learning - Pandum, J., Hashimoto, K., Sugiyama, T. (presentation of paper 263 moved to 14:45, same room, same day)
17:15-17:30	T-VR-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.	(presentation of paper 323 moved to 17:00, same session)
17:30-17:45	T-VR-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 / Resistance of coated e-glass textiles to alkaline attack - Elsa Thomas, G., N., S., V., Amri, A., Gettu, R., Wable, C.	
17:45-18:00	T-VR-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	<b>Conference dinner (upon registration)</b>		

**Friday 17 April 2026 - 8:30-10:30**

	Auditorium Quetelet	Auditorium Devreker	Auditorium Picard
8:00-...	Registration in Peristilium		
8:30-10:00	<b>Session F-QT-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Philippe Turcry, Beibei Sun</b>	<b>Session F-DV-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Alexandre Pierre, Eddie Koenders</b>	<b>Session F-PC-1 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Partim: Enforced carbonation and corrosion - Chairs: Yury Villagran and Arezou Baba Ahmadi</b>
8:30-8:45	F-QT-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-DV-1-1 / paper 374 / Guidelines for a Round-robin timber joints test within TC TPT - Aquino, C., Branco, J., Palma, P.	F-PC-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.
8:45-9:00	F-QT-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-DV-1-2 / paper 115 / Clay roof tiles manufacture. Inter-relationships between raw materials selection, pre-treatment, and processing parameters with microstructure and gelivity. - Regnotto, F., Artioli, G., Bellotto, M.	F-PC-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.
9:00-9:15	F-QT-1-3 / paper 149 / Performance of Opuntia Ficus Indica mucilage as corrosion inhibitor in cement-based materials - Meira, G., Beserra, A., Carvalho, A.	F-DV-1-3 / paper 120 / Engineered porosity via polystyrene beads in gypsum plasters: experimental validation and microstructural control - Muhammad, A., Boel, V., Cnudde, V., Arancon, R..	F-PC-1-3 / paper 347 / Quantifying the effect of rainfall on the steel corrosion rate in carbonated concrete with hygroscopic properties. - Huet, B.
9:15-9:30	F-QT-1-4 / paper 187 / Designing biocompatible mortar for <i>Ericaria Amentacea</i> 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-DV-1-4 / paper 292 / Glass fiber gradients in cementitious materials: rheological challenge and validation of mechanical performance. - Mayeva, N., Pierre, A., Elat, E., Mambou, L., Mouangue, R., Eslami, J.	F-PC-1-4 / 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.
9:30-9:45	F-QT-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-DV-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-PC-1-5 / paper 382 / Energy-Efficient Synthesis of alkali activated sintered lightweight fly ash-based aggregates under flue gas carbonation - Murali, N., Gupta, S.
9:45-10:00	F-QT-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-DV-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.	
10:00-10:30	Coffee and posters, in Peristilium and Foyer		

**Friday 17 April 2026 - 10:30-13:15**

	Auditorium Quetelet	Auditorium Devreker	Auditorium Picard
10:30-12:00	<b>Session F-QT-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Özlem Cizer</b>	<b>Session F-DV-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Gerlinde Lefever</b>	<b>Session F-PC-2 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) -Partim: Enforced carbonation and corrosion - Chairs: Sylvia Kessler, Arezou Baba Ahmadi</b>
10:30-10:45	F-QT-2-1 / paper 387 / Modifying the hydration of blast furnace slag rich blended Portland cement by layered double hydroxides addition - Liang, X., Hu, Z., Yue, Z., Ke, X., Liska, M., Bernal, S.	F-DV-2-1 / paper 213 / Synergistic Effect of Steel, Carbon, and Polypropylene Fibers on UHPC Performance - Kumar, N., Eid, R., Kovler, K., Vaikhanski, L.	F-PC-2-1 / paper 110 / Evolution of pH and oxygen production in 3D printed concrete mortars for marine and terrestrial applications - Sochůrková, P., Martinez, A., Attard, K., Naboni, R.

**Friday 17 April 2026 - 8:30-10:30**

	Auditorium Vlerick	Auditorium Van Vaerenbergh
8:00-...	Registration in Peristilium	
8:30-10:00	<b>Session F-VR-1 / TR11 / Textile reinforced concrete (special session) - Chairs: Tine Tysmans, Bahman Ghiassi</b>	<b>Session F-VV-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials - Chair: Ana Bras, Manu Santhanam</b>
8:30-8:45	F-VR-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-VR-1-2 / paper 236 / Enhancing the Shear Performance of Carbon Textile Reinforced-UHPC I-Beams through Web-Flange Detailing: a multi-scale experimental investigation - Feijão, V., Silva, F., Cardoso, D.	F-VV-1-2 / paper 131 / Hydration kinetics, fresh and hardened state properties of seawater mixed cementitious materials blended with red mud - Aydoğan, O., Aydin, E., Özyurt, N.
9:100-9:15	F-VR-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-VR-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-VR-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., Álvarez Hernanz, Ó.
9:45-10:00	F-VR-1-6 / paper 230 / Carbon-textile reinforced concrete for modular, origami-based construction system: analysis of stress-redistribution behavior - 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 and posters, in Peristilium and Foyer	

**Friday 17 April 2026 - 10:30-13:15**

	Auditorium Vlerick	Auditorium Van Vaerenbergh
10:30-12:00	<b>Session F-VR-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA - Chair: Matthieu Bertin, Christine Döbert</b>	
10:30-10:45	F-VR-2-1 / paper 141 / Mechanical and Microstructural Performance of Alkali-Activated Binders Based on Calcined Clays - Garofalo, A., Garcia-Troncoso, N., Cervantes-Alvarez, D., Hidalgo-Astudillo, S., de la Fuente Antequera, A.	

10:45-11:00	F-QT-2-2 / 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-DV-2-2 / paper 218 / Enhancing compressive ductility of cementitious composites through auxetic reinforcement - Savija, B., Xu, Y.	F-PC-2-2 / paper 353 / Micro-structured design of binder-based absorbers for carbon dioxide (CO <sub>2</sub> ) uptakes - Sadeghi, M., aldaheel, F., Caggiano, A., Peralta, I.
11:00-11:15	F-QT-2-3 / paper 103 / Comparative analysis on different test methods to evaluate selfhealing performance of mortar using mineral admixture - Lee, J., Lee, K.	F-DV-2-3 / paper 377 / Capillary absorption in concrete: a pore-level insight - Malenica, L., Zhang, Z., Angst, U.	F-PC-2-3 / paper 389 / Carbon cured cementitious materials as a solution for Urban Heat Island mitigation - Goracci, G., Saeed, E., Dolado, J.
11:15-11:30	F-QT-2-4 / paper 147 / Inverse Estimation of Chloride Diffusion Coefficient in Healed Crack Using COMSOL Technology - Huang, Z., Cuenca, E., Ferrara, L.	F-DV-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-PC-2-4 / paper 392 / Optimizing CO <sub>2</sub> 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.
11:30-11:45		F-DV-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-PC-2-5 / paper 394 / Nano- and micro-characterisation on the heterogeneity of ITZs in recycled lump concrete - Zhao, H., Li, W.
11:45-11:50	<b>Walk to the Keynote...</b>		
11:50-12:20	<b>Keynote / Paulo Laureço - Built Cultural Heritage and earthquakes: More than 1000 shaking table tests, the new European code and applications</b> (Chair: Geert De Schutter)		
12:20-12:45	<b>Closing session (Chair Geert De Schutter and Nele De Belie)</b> Best paper awards, closing address (RILEM President Nele De Belie)		
12:45-13:15	<b>Closing drink, in Foyer</b>		

10:45-11:00	F-VR-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-VR-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-VR-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-VR-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.
11:45-11:50	<b>Walk to the Keynote...</b>
11:50-12:20	Keynote Presentation in auditorium Quetelet
12:20-12:45	Closing session in auditorium Quetelet
12:45-13:15	<b>Closing drink, in Foyer</b>

## List of Posters

Paper	Title	Authors	Track
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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., Chowanec, A., Krzywiński, K.	Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA
142	Design of chemical admixture formulation for sustainable self-compacting concrete based on CEM II/B-M (Q-LL)	Wagemakers, N., Wiktor, V.	Materials: cementitious, non-cementitious, natural building materials
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.	Materials: cementitious, non-cementitious, natural building materials
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 CO2 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
418	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
417	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

Foyer