

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-VV-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 - Aytakin, 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-VV-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-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-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					