

Friday 17 April 2026

	Peristilium	Auditorium Devreker	Auditorium Picard	Auditorium Vlerick	Auditorium Denduyver	Auditorium Van Vaerenbergh
8:30-10:00		<b>Session F-DV-1 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA</b>	<b>Session F-PC-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials</b>	<b>Session F-VR-1 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Partim: Enforced carbonation and corrosion</b>	<b>Session F-DD-1 / TR11 / Textile reinforced concrete (special session)</b>	<b>Session F-VV-1 / TR7 / Materials: cementitious, non-cementitious, natural building materials</b>
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		<b>Session F-DV-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA</b>	<b>Session F-PC-2 / TR7 / Materials: cementitious, non-cementitious, natural building materials</b>	<b>Session F-VR-2 / TR4 / Carbonation and CO2 uptake in coated and uncoated cementitious materials (Special Session) - Partim: Enforced carbonation and corrosion</b>	<b>Session F-DD-2 / TR11</b>	<b>Session F-VV-2 / TR10 / Sustainability: carbon footprint, preservation of raw materials, durability, re-use, recycling, demountable structures, LCA</b>
10:30-10:45		F-DV-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-PC-2-1 / paper 213 / Synergistic Effect of Steel, Carbon, and Polypropylene Fibers on UHPC Performance - Kumar, N., Eid, R., Kovler, K., Vaikhanski, L., Keßler, S., Singh, S.	F-VR-2-1 / paper 110 / pH Evolution in 3D Concrete Printing Mortar for Bioreceptive Applications - Sochůrková, P., Martínez, A., Attard, K., Naboni, R.		F-VV-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-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.
11:45-12:00						
12:00-12:30		<b>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</b>				
12:30-13:00		<b>Closing session (Chair Geert De Schutter and Nele De Belie)</b> Best paper awards, closing address (RILEM President Nele De Belie)				
13:00-13:30		Closing drink				