

## List of Posters

Paper	Title	Authors	Track
23	Enhancing UHPC with Date Palm Fibers: Evaluation of Bond Strength and Mechanical Performance	Althoey, F.	Materials: cementitious, non-cementitious, natural building materials
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 <sub>2</sub> 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