



Friday, 13 March | Special Session

09:00 – 10:15	Early age and long-term crack width analysis in RC Structures Room 1
09:00 – 09:15	Concrete drying modelling in a variable temperature environment <i>Jean-Luc D. Adia, Herman Koala, Justin Kinda, Julien Sanahuja, Laurent Charpin</i> (IN PERSON)
09:15 – 09:30	A comparison between crack control reinforcement estimates from different codified approaches <i>Fraqkoulis Kanavaris, Andy Gardner, Shintaro Ito, Fangjie Chen, Dirk Schlicke, Mariusz Zych, Agnieszka Jędrzejewska, Miguel Azenha</i> (IN PERSON)
09:30 – 09:45	Autogenous shrinkage in structural concrete made with Recycled Concrete Aggregates <i>Mayara Amario, Caroline S. Rangel, Marco Pepe, Enzo Martinelli, Romildo D. Toledo Filho</i> (IN PERSON)
09:45 – 10:00	3D Thermo-hygro-mechanical simulation of a RC slab under restrained shrinkage and applied loads: influence of the reinforcement ratio on service life behaviour <i>José Gomes, Rui Carvalho, Carlos Sousa, José Granja, Rui Faria, Dirk Schlicke, Miguel Azenha</i> (REMOTELY)
10:00 – 10:15	Influence of concrete mix design on the assessment of shrinkage restraint cracking <i>Farid Benboudjema, Céline Van Bunderen, Farah Rifai, Özlem Cizer</i> (IN PERSON)

Friday, 13 March | Thematic Sessions 5

10:30 – 12:30	Topic 1: Strategies for a resilient built environment Topic 2: New materials and structures for ultra-durability Topic 4: Shift to a circular economy Grand Auditorium
10:30 – 10:45	Behaviour and characteristics of construction materials subjected to different environmental conditions <i>E. Menéndez, <u>Y. Salem</u>, E. Hernández Montes, M. C. Alonso, M. L. Gil</i> (REMOTELY)
10:45 – 11:00	Assessing the alkali-sensitivity of the mechanical behaviour of jute fibres to evaluate their durability in cementitious composites applications <i>C. B. de Carvalho Bello, A. Cecchi, L. Ferrara</i> (REMOTELY)
11:00 – 11:15	Calorimetry study of the influence of Portland cement content, slag/fly ash ratio, and activator type on the early hydration of hybrid cements <i>Gregor J. G. Gluth, Solen Garel</i> (IN PERSON)
11:15 – 11:30	Optimization of alkali-activated mineral wool mixture for panels production <i>Majda Pavlin, Ana Frankovič, Barbara Horvat, Vilma Ducman</i> (REMOTELY)
11:30 – 11:45	Effect of Curing Temperature on the Alkali Activation of German Brown Coal Fly Ash <i>David W. Law, Patrick Sturm, Gregor J. G. Gluth, Chamila Gunasekara</i> (REMOTELY)
11:45 – 12:00	Thermal Performance of steel and fibre reinforced concrete composite floor <i>Talita L. Silva, Isabel B. Valente, Joaquim Barros, Maria José Roupas, Sandra M. Silva, Ricardo Mateus</i> (IN PERSON)
12:00 – 12:15	Challenges and solution strategies for environmentally and socially responsible urban development of mega cities in Africa <i>Wolfram Schmidt, Nonkululeko Radebe, Mike Otieno, Kolawole Olonade, Shirin Fataei, Fatma Mohamed, Gesine Lenore Schiewer, Mareike Thiedeitz, Angela Tetteh Tawiah, Risikat Dauda, Ghada Bassioni, Melissa Telong, Andreas Rogge</i> (NOT CONFIRMED)
12:15 – 12:30	Influence of specific SCM on microstructure and early strength of sustainable concrete formulations <i>O. Rudic, J. Juhart, J. Tritthart, M. Krüger</i> (NOT CONFIRMED)



Friday, 13 March | Thematic Sessions 6

13:30 – 15:30	Topic 2: New materials and structures for ultra-durability Grand Auditorium	Topic 4: Shift to a circular economy Small Auditorium
13:30 – 13:45	Using Waste Materials in Durable Environmentally Friendly Concrete <i>R. Morsy, S. Ghoniem (REMOTELY)</i>	Analysis of tensile behaviour of recycled aggregate concrete using acoustic emission technique <i>N. Williams Portal, M. Flansbjerg, D. Carró-Lopez, I. Fernandez (REMOTELY)</i>
13:45 – 14:00	Urban Furniture in Fibre Reinforcement Concrete with High Durability <i>Felipe Melo, Inês Costa, Tiago Valente, Cristina Frazão, Christoph de Sousa, Ana Moreira, João Sá (IN PERSON)</i>	Mechanical and Physical Properties of Interlocking Compressed Earth Brick Units <i>B. H. Abu Bakar, S. Saari, Hazizan Md Akil, N. A. Surip (NOT CONFIRMED)</i>
14:00 – 14:15	Activated ductile CFRP NSMR strengthening <i>Jacob Wittrup Schmidt, Christian Overgaard Christensen, Per Goltermann, José Sena-Cruz (REMOTELY)</i>	Salt-scaling resistance of SAP-modified concrete under freeze-thaw cycles <i>José Roberto Tenório Filho, Els Mannekens, Didier Snoeck, Nele De Belie (REMOTELY)</i>
14:15 – 14:30	Steel reinforcement in slag containing binders and its susceptibility to chloride-induced corrosion <i>Shishir Mundra, John L. Provis (IN PERSON)</i>	The Influence of Polymers impregnation on Bending Behaviour of Phyllostachys Pubescens (Mosso) Bamboo <i>Lucas Muniz Valani, Fabrício de Campos Vitorino, Adriana Paiva de Souza Martins, Romildo Dias Toledo Filho (REMOTELY)</i>
14:30 – 14:45	Analysis of prefabricated materials made with polyurethane roof wastes from vehicles <i>Javier Garabito, Verónica Calderón, Alba Rodrigo, Ángel Rodríguez, Jesús Gadea (REMOTELY)</i>	Geopolymer concrete structures: bond with deformed steel bars <i>V. Romanazzi, M. Leone, M. A. Aiello, M. Pecce (REMOTELY)</i>
14:45 – 15:00	Microstructural evaluation of fibre reinforced slag based foams <i>M. Češnovar, K. Traven, V. Ducman (REMOTELY)</i>	Suitability of different stabilizing agents in alkali activated fly-ash based foams <i>Katja Traven, Mark Češnovar, Vilma Ducman (REMOTELY)</i>
15:00 – 15:15	Sustainable polyurethane plasterboard for construction <i>Victor Miguel, Carlos Junco, Sara Gutiérrez, Lourdes Alameda, Alba Rodrigo (REMOTELY)</i>	Carbonation as part of intelligent building skins of the future <i>A. Shtiza, T. Schlegel</i>
15:15 – 15:30	A New Dilation Model for FRP Fully/partially Confined Concrete Column under Axial Loading <i>Javad Shayanfar, Mohammadali Rezazadeh, Joaquim Barros, Honeyeh Ramezansafat (IN PERSON)</i>	Strength and microstructure development of fly ash geopolymer binders using waste glass powder <i>Md. Nabi Newaz Khan, Jhutan Chandra Kuri, Prabir Kumar Sarker (NOT CONFIRMED)</i>
15:30 – 15:45		Rheology and thixotropy of one-part fly ash/slag blended geopolymer pastes <i>Yazan Alrefaei (NOT CONFIRMED)</i>