

Program of the 12th ACI/RILEM International Conference on Cementitious Materials and Alternative Binders for Sustainable Concrete

Sunday, June 23, 2024

15:00-18:00	Registration
18:00-19:30	Opening Reception

Monday, June 24, 2024

7:30-17:30	Registration
8:00-8:30	Welcome café

Plenary Session 1

8:30-8:45	Opening Remarks: Arezki Tagnit-Hamou (ICCM2024 Chairman) and Martin Cyr (Organization Committee Chairman)	
8:45-9:35	Keynote presentations	Perspectives on SCMs in 2050: Karen Scrivener, EPFL, Switzerland
9:35-10:00	Coffee Break	Sustainability assessment of concrete printing technologies: Nicolas Roussel, Université Gustave Eiffel, France

Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
		Chair: William Wilson			Chair: Ahmed Loukili			Chair: Kamal Khayat
10:00-12:00	Invited speaker	SP-362-52 USE OF HIGH SO ₂ COAL ASH AS SUPPLEMENTARY CEMENTITIOUS MATERIALS IN CONCRETE <i>Gopakumar Kaladharan, Moe (Mohammadreza) Sharaf, Farshad Rajabipour</i>	Invited speaker	SP-362-66 RESISTANCE TO CHLORIDE INGRESS OF ECO-EFFICIENT CONCRETE PROPORTIONED THROUGH PARTICLE PACKING MODELS (PPMS) <i>M.T. de Grazia, Leandro F.M. Sanchez, A. Leemann</i>	Invited speaker	SP-362-29 DIRECT AND DELAYED DOSING: A NEW APPROACH TO QUANTIFY INEFFECTIVE SUPERPLASTICIZERS <i>Shengnan Shao, Maghul Sirajuddin, Robert J. Flatt</i>		
	1A Alternative SCM	SP-362-70 HARVESTED FLY ASH FOR SUPPLEMENTARY CEMENTITIOUS MATERIALS <i>Nader Ghafouri, Ariful Hasnat, Aderemi Gbadamosi</i>	1B Mechanical prop. and durability	SUPP2024-23 FROST RESISTANCE OF ALKALI-ACTIVATED MATERIALS WITH DIFFERENT COMPOSITIONS <i>Vlastimil Bilek sr., Lukas Prochazka, Katerina Motyskova, Oldrich Sucharda</i>	1C Chemical Admixtures	SP-362-16 INFLUENCE OF THE POLYMER STRUCTURE ON THE RHEOLOGY OF PORTLAND CEMENT AND LC3 PASTES CONTAINING SUPERPLASTICIZERS <i>Gödt Torben</i>		
		SP-362-65* STUDY ON USE OF MSWI FLY ASH WITH MAINSTREAM SUPPLEMENTARY CEMENTITIOUS MATERIALS <i>Kwangwoo Wi, Oguzhan Sahin, Kejin Wang, Yunsu Lee</i>		SUPP2024-24 STUDY OF THE CARBONATION OF SODIUM CARBONATE ALKALI-ACTIVATED SLAG <i>Patrick Azar, Cédric Patapy, Gabriel Samson, François Cussigh, Laurent Fraulin, Martin Cyr</i>		SUPP2024-35 SUSTAINABLE CONCRETES WITH ADVANCED ADMIXTURES AND THE OPTIMAL PROPORTIONING OF GROUND CALCIUM CARBONATE <i>Sandro Moro, P. Gannon, N. Zeminian, R. Berardi</i>		
		SUPP2024-39* OPTIMIZING THE MIXTURE PROPORTIONS OF CEMENTITIOUS COMPOSITES INCORPORATING VOLCANIC ASH <i>Jad Bawab, Hilal El-Hassan, Amr El-Dieb, Jamal Khatib</i>		SUPP2024-22 STRUCTURAL PERFORMANCES OF LOW-CARBON BEAMS FOR PRECAST INDUSTRY <i>Matthieu Pellerano, Zakaria Djamaï, Cédric Patapy, Gabriel Samson, Anthony Calviac, Martin Cyr</i>		SP-362-73 EFFECT OF SUPERPLASTICIZER ON WATER AVAILABILITY AND RHEOLOGICAL PROPERTIES OF CEMENT PASTE CONTAINING CALCINED CLAY <i>Lucia Ferrari, V. Bartolotti, N. Mikanovic, M. Ben-Haha, E. Franzoni</i>		
SUPP2024-12 VALORIZATION OF STEEL SLAGS THROUGH PYROMETALLURGICAL PROCESS. THERMODYNAMIC MODELLING OF THE PRODUCTION OF SYNTHETIC SLAGS USING FACTSAGE <i>Discazi Filippo, Bellotto Maurizio, Brunelli Katya</i>	SUPP2024-02 CHLORIDE INGRESS INTO LOW CARBON CONCRETE IN NON-SATURATED CONDITION: STATE OF THE ART FOR ON-SITE STUDIES IN THE CASE OF ATMOSPHERIC TIDAL OR SPLASH AREA <i>Gayelle FAMED, Stéphanie BONNET, Anthony SOIVE</i>	SP-362-35 COMBINED EFFECT OF POLYCARBOXYLATE ETHER AND PHOSPHONATED SUPERPLASTICIZERS IN LIMESTONE CALCINED CLAY CEMENT <i>Sirajuddin Maghul, Sruthi Sreeram, Shengnan Shao, Franco Zunino, Robert J. Flatt</i>						
SP-362-72 METALS IN MINE TAILINGS AND PROSPECTS FOR USE IN CEMENTITIOUS MATERIALS <i>Anne Mette Tholstrup Bogger, Stefanie Lode, Wolfgang Kunther, Pernille Erland Jensen</i>	SP-362-68 EFFICIENCY OF USING RECYCLED COARSE AGGREGATE FOR INTERNAL CURING OF BLENDED CEMENT CONCRETES <i>Traian Vlachoslav, Gots Volodymyr, Bruno Alex, Panek Rajaf, Flatt Robert J.</i>	SUPP2024-04 A PATHWAY FOR ULTRA-GREEN CONCRETE: THE KEY ROLE OF AGGREGATE GRADING AND CHEMICAL ADMIXTURES <i>Franco Zunino, Presenta by Paolo Camesasca</i>						

12:00-13:00 Lunch

Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
		Chair: Dimitri Deneele			Chair: Leandro Sanchez			Chair: Charles Nmal
Invited speaker	SUPP2024-45 CARBONATION POTENTIAL OF CONCRETE BASED ON "OFF-SPEC" BY-PRODUCT ASH BLENDS <i>Roy Wittenberg, Marina Kazukhova, Piqi Zhao, Konstantin Sobolev</i>	Invited speaker	SP-362-07 IT'S NOT ROCKET SCIENCE – MULTIPLE SCM BLENDS GIVE HIGH DURABILITY AND LOW CARBON <i>Robert Lewis</i>	Invited speaker	SP-362-24 PERFORMANCE OF CALCIUM NITRATE AS ACCELERATOR FOR CEMENT BLENDED WITH BLAST FURNACE SLAG <i>Harald Justnes, Tobias Donner, Elise Marie Rong Anfinssen, Aleksandra Marie Høy, Margrethe Munch-Ellingsen, Mehrdad Torabzadehgan</i>			
	SP-362-20 EFFECT OF MILLING ON THE REACTIVITY OF MIXED RECYCLED AGGREGATE POWDER AS AN SCM <i>Jingwen Liu, Pieter Rauwoens, Özlem Cizer</i>		SP-362-31 ASSESSING FLY ASH BENEFICIATION'S PROCESS EFFECT ON CONCRETE PERFORMANCE <i>Renan Medeiros and Leandro. F. M. Sanchez</i>		SUPP2024-10 IMPROVING THE EARLY AGE STRENGTHS OF LOW CO2 BINDERS WITH A CALCIUM ALUMINATE-BASED ACCELERATOR <i>Barbara Benevenuti, Sarra El Houseini, Nicolas Moach, Hervé Fryda, Sébastien Perrot, Muriel Chambon</i>			
	SUPP2024-50 SUSTAINABLE CONCRETE WITH A NANO CSH OR A NEW TYPE OF HIGH-PERFORMANCE POZZOLAN <i>Frank Ong, Lesley Ko, Tyler Grissom, Paul Seiler</i>		SUPP2024-36 INVESTIGATING THE SYNERGISTIC EFFECT OF SUPPLEMENTARY CEMENTITIOUS MATERIALS IN ULTRA HIGH PERFORMANCE CONCRETE DURING COMPRESSIVE FRACTURE PROCESS USING ACOUSTIC EMISSION TESTING <i>Kashif Naukhez, R. Vidya Sagar, J. M. Chandra Kishen</i>		SUPP2024-44 DEVELOPING A RETARDER FOR AN ALKALI ACTIVATED SLAG CEMENT FOR NUCLEAR WASTE CONDITIONING <i>Emmanuel PERIN, Heloise JOURDAN, Isabelle MOULIN, Lavinia STEFAN, Sabah BEN LAGHA, Virginie BENAVENT</i>			

13:00-15:00	2A Alternative SCM	SUPP2024-06	SELF-HEALING OF LOW CO2 ENGINEERED CEMENTITIOUS COMPOSITES <i>Shahin Zokari, Hecine Slad, Mohamed Lachemi, Mustafa Sahmaran</i>	2B Mechanical prop. and durability	SP-362-11	MECHANICAL PERFORMANCE AND MICROSTRUCTURAL INVESTIGATION OF BINARY AND TERNARY LIME BINDERS WITH SILICA FUME AND METAKAOLIN <i>Luca Penazzato, Rogiros Ilampas, Ioannis Rigopoulos, Ioannis Ioannou, Daniel V. Oliveira</i>	2C Chemical Admixtures and Rheology	SP-326-10	WORKABILITY OF LOW-CLINKER MORTARS WITH RECYCLED FINE AGGREGATES AND DIFFERENT POLYMERS AS SUPERPLASTICIZER <i>Mareike Thiedeitz, Noah Tarrab Maslolan, Thomas Kränkel</i>
		SP-362-13	REPLACEMENT OF NATURAL SAND WITH MANUFACTURED SAND WHILE MAINTAINING PACKING DENSITY <i>Barbara Aboogye, Ryan Gosselin, William Wilson</i>		SP-362-04	MULTISCALE MECHANICAL INVESTIGATION OF TERNARY BINDERS INCORPORATING CALCINED CLAY AND SLAG <i>Imane Bekrine, Benoit Hilloulin, Ahmed Loukil</i>		SUPP2024-41	COMPARISON OF EARLY AGE PROPERTIES OF MGO AND PC STABILIZED CLAYS CONTAINING SODIUM HEXAMETAPHOSPHATE <i>Raghad Khat, Pietro Lura, Guillaume Habert, Elina Bernard</i>
		SUPP2024-05	INFLUENCE OF TiO2 ON HARDENED PROPERTIES OF CONCRETE WITH LOW CEMENT CONTENT <i>Sergio R. A. Dantas, Ana Bergmann, Renann Medeiros, Zichun Xia, Leandro. F. M. Sanchez</i>		SP-362-50	HIGH INITIAL STRENGTH LOW CLINKER TERNARY BINDERS FOR WALLS WITH INTEGRATED FORMWORK <i>Lucas Mosser, Eric Garcia Diaz, Patrick Rougeau, François Jacquemat</i>		SP-362-40	PARTICLE INTERACTION IN METAKAOLIN SUSPENSIONS <i>Sergio Real, Laura González-Panicello, Francisca Puertas, Marta Palacios</i>
15:00-15:30	Coffee Break			Coffee Break			Coffee Break		

Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C	
		Chair: Farshad Rajabipour			Chair: Emmanuel Rozière			Chair: Harald Justnes	
15:30-17:30	Invited speaker	SP-362-22	RHEOLOGICAL EVALUATION OF HIGH FILLER – LOW WATER TERNARY SLAG CEMENT CONCRETE WITH LOW BINDER INTENSITY <i>Matthew GruijsBank, Erica Myrtija, Roberta Alfani, Laurent Frouin, Mahend Chaoouche</i>	Invited speaker	SUPP2024-27	SUITABILITY OF WATERPROOFING COMPOUNDS TO REDUCE CARBONATION-INDUCED CORROSION RISK IN CONCRETES WITH LOW CLINKER CEMENTS <i>Lav Singh, Shashank Bishnoi</i>	Invited speaker	SP-362-43	LOW-CARBON CONCRETE ACHIEVED THROUGH RHEOLOGY MODIFICATION <i>Lesley Ko, Jeffery Bury, Charles Nmai</i>
	3A Alternative binders + Mix designs	SP-362-75	DATA MINING HEIDELBERG MATERIALS DATABASE: PORTLAND CEMENT – LIMESTONE SYSTEMS OPTIMIZATION WITH MACHINE LEARNING <i>Alexandre Ouzia, Mohsen Ben Haha</i>	SP-362-47	EFFECT OF CARBONATION ON MECHANICAL PROPERTIES AND MICROSTRUCTURE OF ONE-PART-GEOPOLYMER BASED ON THERMO-MECHANICAL SYNTHESIS SEDIMENTS FLY ASH MIX <i>Elle Mahfoud, Khadim Ndoye, Walid Maherzi, Salma Aggour, Nar-Edine Abriak, Mahfoud Benzerzour</i>	SP-362-17	MACHINE LEARNING MODELS FOR PREDICTING RHEOLOGICAL PROPERTIES OF SELF-CONSOLIDATING CONCRETE (SCC) <i>Abdelhamid Hajdi, Ilhame Harbou, Benoit Hilloulin, Ahmed Loukil, Ammar Yahia</i>		
		SP-362-67	ENHANCING THE JOURNEY TOWARDS CONCRETE NET ZERO: THE ROLE OF ECO-EFFICIENT CONCRETE, PARTICLE PACKING MODELS, AND LIMESTONE FILLERS <i>M.T. de Grazia, Leandro F.M. Sanchez</i>	SUPP2024-47	POZZOLANS INCREASE DURABILITY IN A MARINE ENVIRONMENT <i>Ian N. Robertson</i>	SUPP2024-46	STRUCTURAL BUILD-UP AT REST IN ORDINARY PORTLAND CEMENT <i>Luca Michel, Antoine Sanner, Lex Reiter, Robert Flott, David Kammer</i>		
		SUPP2024-20	LOW ENERGY, LOW CO2 APPROACHES TO MAKING HIGH-VOLUME BELITE/C3S CONCRETE <i>Robert B. Jewell, Tristano Duvallet, Thomas Robl, Anne Oberlink, Robert Rathbone</i>	SP-362-78	MECHANICAL PROPERTIES AND FREEZING AND THAWING BEHAVIOR OF 3D PRINTING CONCRETE CONTAINING RECYCLED FINE AGGREGATES FROM CONSTRUCTION AND DEMOLITION WASTE <i>Yeakleang Mui, Luc Courard, Xavier Garnavault, David Bulteel, Sébastien Rémond, Maria Taleb, Julien Hubert</i>	SP-362-46	RHEOLOGY AND EARLY-AGE REACTIVITY OF CALCINED KAOLINITE <i>Yannick Demessy, Sandrine Gauffinet, Christophe Labbez</i>		
SP-362-38	VALORIZATION OF HARBOUR DREDGING SEDIMENTS AS SUPPLEMENTARY CEMENTITIOUS MATERIALS <i>Manassée Fokou Tchilla, Victor Briol, Claudiane Ouellet-Plamondon</i>	SP-362-69	COMPARATIVE STUDY OF THE MECHANICAL AND DURABILITY PERFORMANCE OF LOW CARBON CONCRETE MATRICES WITH ALTERNATIVE SCMS <i>Elliana Soldado, Hugo Costa, Ricardo do Carmo, Eduardo Júlio</i>	SP-362-05	EFFECT OF SUPPLEMENTARY CEMENTITIOUS MATERIALS (SCMS) ON THE STRUCTURAL BUILD-UP OF CEMENT PASTES <i>Youssef El Bitouri, Eric Garcia-Diaz</i>				
SP-362-49	MARINE DREDGED SEDIMENTS AS A PARTIAL ALTERNATIVE TO SAND IN CEMENTITIOUS SYSTEMS USING PARTICLE PACKING OPTIMIZATION <i>Parisa Heidari, William Wilson, Patrice Rivard</i>	SP-362-34	TERNARY CEMENT MIXTURES AND MARBLE AND GRANITE WASTE IN SELF-COMPACTING CONCRETE <i>Mara M. L. Pereira, Arthur A. Palma e Silva, Valdirene M. S. Capuzzo</i>	SP-362-60	IMPACT OF THE TYPE OF BINDER ON THE PROPERTIES OF DEEP SOIL MIXING MATERIALS <i>Clément Bideux, Javad Islami, Anne-Lise Beaucour, Albert Noumowe, Fabrice Mathieu, Philippe Gotteland</i>				

Tuesday, June 25 2024

07:30:00	Registration		
8:00-8:30	Welcome café		
8:30-9:45	Keynote presentations	Plenary Session 2 CO ₂ Mitigation in China Cement Industry – A Review: Tongbo Su, Shoma In'1 and China Building Materials Academy (CNBM), China Overcoming Barriers to Adoption of Sustainable Concrete Technologies: Douglas Hooton, University of Toronto, Canada Magnesium based binders: Barbara Lothenbach, EMPA, Switzerland	
9:45-10:00	Guest	Presentation of the Architecture Engineering Construction Program by Franc Mouwen, Program manager, European Innovation Council EIC, European Commission	
10:00-10:20	Coffee Break		Coffee Break

Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
		Chair: Barbara Lothenbach			Chair: Shashank Bishnoi			Chair: José Duchesne
Invited speaker	SP-362-45	LEACHING OF MAGNESIUM PHOSPHATE CEMENT PASTES: INFLUENCE OF THE Mg/P MOLAR RATIO <i>Laura Diaz Caselles, Gonaël Bon, Céline Cau Dit Coumes, Pascal Antonucci, Angélique Rousselet, Adel Mesbah, Valérie Montauillout</i>	Invited speaker	SP-362-25	FEASIBILITY OF USING NATURAL POZZOLAN-LIMESTONE-BASED CEMENT COMPOSITE FOR 3D PRINTING <i>Haodao Li, Alfred Adidi-Nimoh, Kamal H. Khayat</i>	Invited speaker	SUPP2024-03	INFLUENCE OF CARBONATED CALCIUM SILICATES ON CEMENT HYDRATION <i>Frank Winnefeld, Johannes Tiefenthaler, Andreas Leemann</i>

10:20-12:00	4A Alternative binders + Mix designs	SUPP2024-31	CARBONATION OF MAGNESIUM SILICATE CEMENTS <i>Ellina Bernard, B. Lothenbach, H. Nguyen</i>	4B Activated Clays	SP-362-56	ENHANCING REACTIVITY OF CALCINED CLAYS FOR SUSTAINABLE CEMENT PRODUCTION THROUGH OPTIMIZATION OF ROTARY KILN PARAMETERS <i>Abdelmajid Bahhou, Yasmine Taha, Yasmine Rhouti, Mohamed El Amal, Rachid Hakou, Mostafa Benzaoua, Arezki Tagnit-Hamou</i>	4C Microstructure and hydration	SUPP2024-38	APPLICATION OF FLUORESCENCE SPECTROSCOPY FOR THE MONITORING OF CEMENT HYDRATION <i>Phillip Kasatz, Alexander Mezhev, Elina Andresen, Wolfram Schmidt, Ute Resch-Genger</i>
		SP-362-55	INSIGHTS INTO PHASE ASSEMBLAGE IN MGO-AL2O3-(SiO2)-CO2 SYSTEMS <i>Hoang Nguyen, E. Bernard, P. Kinnunen</i>		SUPP2024-14	EFFECTS OF COMPOSITIONAL PARAMETERS ON THE FRESH PROPERTIES AND COMPRESSIVE STRENGTH OF LIMESTONE CALCINED CLAY CEMENT MORTAR <i>C.-T. Chen, M.-L. Xie, R.-R. Zhang, C.-H. Chen, H.-A. Chen</i>		SP-362-39	HYDRATION PROPERTIES AND PHYSICAL CHARACTERISTICS OF BELITE CEMENTS <i>Antonio Teleca, Milena Marrocchi, Neluta Ibric, Fulvio Canonico, Daniela Gosstadi</i>
		SP-362-01	INTERFACE PROPERTIES BETWEEN REACTIVE MAGNESIA CEMENT MATRIX AND GFRP REBAR <i>Bo Wu, Jishen Qiu</i>		SP-362-21	LINKING WATER DEMAND AND SURFACE AREA OF CALCINED Palygorskite <i>Valentin Roux, William Wilson, Dimitri Deneele, Michael Paris, Arezki Tagnit-Hamou</i>		SP-362-33	PREDICTING THE MICROSTRUCTURE STABILIZATION TIME FROM ELECTRICAL RESISTIVITY MEASUREMENTS <i>Thomas Bernard, William Wilson</i>
		SUPP2024-25	CHEMO-MECHANICAL CHARACTERIZATION OF M-S-H: INFLUENCE OF THE SAMPLE PREPARATION AND WATER TO BINDER RATIO <i>Charlotte Dewitte, Ellina Bernard</i>		SP-362-54	EARLY REACTIVITY ASSESSMENT OF CALCINED CLAYS AND THE IMPACT OF SECONDARY PHASES <i>Tafadzwa Ronald Mutenda, Fabien Georget, Thomas Matschel</i>		SP-362-41	ON THE FORMATION OF Al/Fe-AFM SOLID SOLUTIONS DURING HYDRATION OF Fe-RICH BINDERS <i>Aurore Lechevallier, Mohend Serbouca, Jérôme Soudier, Guillaume Renaudin</i>

12:00-13:00 Lunch

Session	Paper number	Room A Chair: Lesley Ko	Session	Paper number	Room B Chair: Claudiane Ouellet-Plamondon	Session	Paper number	Room C Chair: Frank Winnefeld	
13:00-15:00	Invited speaker	SUPP2024-49	DEVELOPING A LOW-COST MAGNESIUM PHOSPHATE CEMENT FORMULATION FOR NUCLEAR WASTE STABILIZATION <i>Kim-Khanh Le, Davide Rodrigues, Sylvie Delpeç, Lavinia Stefan, Céline Carnes</i>	Invited speaker	SUPP2024-29	AUSTRALIAN LC3 AS A SUPPLEMENTARY CEMENTITIOUS MATERIAL <i>Emily Canda, Rachel San Nicolas, Haleh Rasekh, Arnaud Castel</i>	Invited speaker	SP-362-59	ASSESSING POZZOLANIC REACTIVITY OF RECLAIMED FIRED CLAY ROOF TILES AND BRICKS IN PRESENCE OF GROUND LIMESTONE <i>Bernadin Guillaume, Théodore Serbouca, Sandrine Gouffinet, Marie-Noëlle de Noirfontaine, Laurent Izoret</i>
	5A Alternative binders + Mix designs	SP-362-26	SOLID PHASE ANALYSIS OF HYDRATED MGO/NESQUEHONITE PASTES WITH SILICA OR METAKAOLIN ADDITION <i>Zeyu Zhou, Ellina Bernard, Barbara Lothenbach</i>	5B Activated Clays	SP-362-48	INFLUENCE OF CALCINATION TEMPERATURE ON THE PROPERTIES OF CLAY <i>Dhar Mehnaz</i>	5C Microstructure and hydration	SP-362-28	EARLY AGE SHRINKAGE, HYDRATION KINETICS AND WORKABILITY OF MORTARS CONTAINING METAKAOLIN AND LIMESTONE POWDER <i>Alban Metallari, Mirco Wahab, Thomas A. Bler</i>
		SP-362-19	HYDRATION MECHANISM OF MGO-NESQUEHONITE BLENDS <i>Paula Montserrat-Torres, Barbara Lothenbach, Frank Winnefeld</i>		SP-362-51	CLAY CALCINATION METHODS AND COMPOSITION IMPACTS ON CALCINED CLAY PROPERTIES <i>Anastasia Koutsouradi, Anne J. Damp, Wilson R. Leal da Silva, Mehnaz Dhar, Peter A. Jensen</i>		SP-362-76	CHEMICAL REACTIVITY MEASUREMENTS OF GLASS POWDER IN R ³ METHOD SYNTHETIC CONCRETE PORE SOLUTION BY ACCELERATED SOLUBILITY TESTING <i>Wena de Nazare do Rosario Martel, Josée Duchesne, Benoît Fournier</i>
		SUPP2024-07	ESTIMATION OF COMPRESSIVE STRENGTH OF BALXITE RESIDUE AND FLY ASH BASED GEOPOLYMER BINDER USING TAGUCHI METHOD <i>Joao Augusto Lago Araujo Selvas, Ahmed Rahem, Mathieu Fiset, Christophe Volat, Guy Simard</i>		SUPP2024-33	COMPARATIVE STUDY OF HIGHLY SUBSTITUTED CEMENT BY FLASH METAKAOLIN <i>Florian Vatnel, Raphaël Bucher, Philippe Houzu, Martin Cyr</i>		SUPP2024-34	POZZOLANICITY VS LATENT HYDRALICITY IN SCMS: CLASSIFICATION TENTATIVE <i>Julia Jourdan, Laurent Izoret, Sandrine Gouffinet, Laurence Galoty, and Georges Calas</i>
		SUPP2024-48	UNVEILING THE TRADE-OFFS OF NANO-CARBON BLACK DISPERSION IN ELECTRICAL CONDUCTIVITY AND MECHANICAL STRENGTH OF CEMENT COMPOSITES <i>Nancy Soliman, Katerina Ioannidou, Thibaut Divoux, Renal Backov, Franz Ullm, Roland J.-M. Pellenq</i>		SP-362-23	INVESTIGATING THE POTENTIAL OF LIMESTONE AND CALCINED CLAY AS A SUBSTITUTE FOR FLY ASH IN STRAIN-HARDENING CEMENTITIOUS COMPOSITES (SHC) <i>Ameer Hamza Ahmed, Marco Liebscher, Cesare Signorini, Viktor Mechtcherine</i>		SP-362-30	QUANTITATIVE ANALYSIS OF FLY ASH HYDRATION PRODUCTS FORMED IN SULFATE ENVIRONMENT <i>Rajaram Dhale, Michael D.A. Thomas, Kevin J. Follard, Thano Drimalas</i>
SUPP2024-09	COMPARATIVE LIFE-CYCLE-ANALYSIS OF LOW CLINKER CONCRETES WITH DIFFERENT SUPPLEMENTARY CEMENTITIOUS MATERIALS <i>Leonie von Oepen, Mareike Thiedelitz, Thomas Kränkel</i>	SUPP2024-30	GEOPOLYMER MORTAR WITH FLASH-CALCINED EXCAVATED CLAYS CURED UNDER AMBIENT CONDITIONS <i>Mouhamadou Amar, Ali Allou, Mahfoud Benzerzour, Nor-Edine Abrik</i>	SP-362-62	INVESTIGATIONS OF ETRINGITE MORPHOLOGY WITH THE USE OF DIFFERENT RETARDERS IN CSA/OPC BLENDS <i>Tristana Duvallet, Robert Rothbone, Robert Jewell, Christopher Moore</i>				
15:00-15:30	Coffee Break		Coffee Break		Coffee Break		Coffee Break		

Session	Paper number	Room A Chair: Jean-Michel Torrent	Session	Paper number	Room B Chair: Douglas Hooton	Session	Paper number	Room C Chair: Konstantin Sobolev
Invited speaker	SP-362-71	INVESTIGATION OF THE CO2 SEQUESTRATION BY ACCELERATED CARBONATION AS A FUNCTION OF THE COMPOSITION, ORIGIN, PRODUCTION PROCESS AND AGE OF RECYCLED CONCRETE AGGREGATES <i>Sandrine Braymand, Sébastien Roux</i>	Invited speaker	SUPP2024-28	REFRACTORY GEOPOLYMERS AND INTUMESCENT COATINGS FOR FIRE PROTECTION APPLICATIONS <i>Ameni Charoumi, Lila Ouamar, Deniz Seker, Sylvie Rossignol</i>	Invited speaker	SP-362-03	EXPERIMENTAL STUDY ON A LOW-CARBON PERVIOUS CONCRETE BASED ON ALKALI-ACTIVATED BINDER AND RECYCLED AGGREGATES <i>Denny Coffetti, Simone Rapelli, Luigi Coppola</i>

15:30-17:30	6A Mix designs + CO2 sequestration	SP-362-42	UPCYCLING BASIC OXYGEN FURNACE (BOF) SLAG INTO A CARBON NEGATIVE SUPPLEMENTARY CEMENTITIOUS MATERIAL (SCM) THROUGH MINERAL CARBONATION <i>Hadi Kazemi Kamyab , Peter Nielsen, Bert Riems, Liesbeth Harckmans</i>	6B Case studies and Special concrete	SUPP2024-15	STUDY OF PROPERTIES OF AUTOCLAVE-CURED UFC WITH DIFFERING FIBER LENGTHS <i>Yusuke Asada , Junon Yoshikawa, Hironori Fujiwara, Masanori Maruoka</i>	6C Alkali activated materials	SP-362-18	EFFECTS OF Si/AL MOLAR RATIO ON THE STRUCTURE AND PROPERTIES OF METAKAOLIN BASED ALKALI ACTIVATED BINDERS <i>Jessica Lohmann, Frank Schmidt-Döhl</i>
		SP-362-32	UTILIZATION OF ELECTRIC ARC FURNACE SLAG FOR CO2 STORAGE IN MORTAR USING PRESSURIZED CO2 CURING CONDITION <i>Indang Jang, Namikun Lee, Hoon Moon, Gijoon Park, Gumsung Ryu, Jungjun Park</i>		SP-362-14	FORMULATION OF SELF-COMPACTING CONCRETE WITH LIMESTONE TUFF AND STUDY OF THE PARAMETERS INFLUENCE ON THE RESPONSES <i>M. Boukhkhat, Y. Benno , A. Ball, E.H. Benyoussef, Sihadi K.</i>		SP-362-02	THE INFLUENCE OF TiO2 NANOPARTICLES ON THE SMART PROPERTIES OF ALKALI-ACTIVATED MATERIALS <i>Denny Coffetti , Elena Crosti, Simone Rapelli, Luigi Coppola</i>
		SUPP2024-32	INFLUENCE OF THE CARBONATION IN MORTARS WITH RICE-HUSK ASH AND LIMESTONE FILLER <i>Walter Gonzalez Munizaga Gallo, Gemma Rodriguez de Senale</i>		SUPP2024-16	MECHANICAL PROPERTIES OF FLY ASH-BASED LIGHTWEIGHT BLOCKS <i>Yedida Sri Ram , GVP Bhagath Singh</i>		SUPP2024-17	EVALUATION OF FLY ASH/GBFS BLENDED GEOPOLYMER COMPOSITE CONTAINING DES <i>A. El-Mir , H. El-Hassori, J. Hwalla, A. A. Hassori, A. El-Dieb</i>
		SP-362-64	UTILIZATION OF WASTE CO2 GENERATED VATERITE IN BLENDED CEMENTS <i>Ying Wang, Jesus Gonzalez, Craig W. Hargis</i>		SP-362-15	EVALUATION OF THE AC CONDUCTIVITY AND THE PERCOLATION STATE IN CEMENTITIOUS MATERIALS BASED ON ALUMINA SLAG <i>José Luis Ochoa M. , Stephani Voelger S., Adrian R., Arias P.</i>		SP-362-44	DEVELOPMENT OF BALXITE RESIDUE AND CLASS F FLY ASH BASED GEOPOLYMER CONCRETE <i>Dena Shalaby, Émilie Garneau, Mathieu Fiset, Joao Augusto Lago Araujo Seixas, Ahmed Rahem</i>
		SP-362-58	DURABILITY OF CONCRETES WITH LOW ENVIRONMENTAL EMISSIONS BASED ON TERNARY BINDERS: CORROSION RESISTANCE AND POSITIONING WITH RESPECT TO THE PERFORMANCE APPROACH <i>Thomas Perrin, Suzanne Le Thierry, Jonathan Mol-Nhu, François Jacquemot, Lucas Mosser, Patrick Rougeau</i>		SUPP2024-18	USE OF ELECTRICAL IMPEDANCE SPECTROSCOPY (EIS) IN MONITORING THE CURING PROCESS OF CEMENT PASTES WITH ALUMINUM SLAG ADDITION <i>Stephani Voelger S. , Adrian R., Arias P., José Luis, Ochoa M.</i>			
17:55	Evening social - Banquet (Manoir du prince - Departure at 6:00 pm)								

Wednesday, June 26, 2024

7:30-11:00	Registration								
8:00-8:30	Welcome café								
	Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
			Chair: Luigi Coppola			Chair: Benoît Fournier			Chair: Pierre-Claver Nkinamubanzi
8:30-9:50	Invited speaker	SP-362-06	STRUCTURAL GEOPOLYMER MORTARS WITH MAXIMUM AMOUNTS OF CONSTRUCTION AND DEMOLITION WASTES <i>Gultekin Ozan Ucal, Hachme Stad, Mohamed Lachemi, Obaid Mahmodi, Mustafa Sahmaran</i>	Invited speaker	SUPP2024-01	CONCRETE RECYCLING AGGREGATES TO PRODUCE DURABLE CONCRETE <i>Samuel Antonietti, Cristina Mosca, Christian Paglia</i>		SP-362-77	EFFECT OF BIOCHAR ON THE MICROSTRUCTURE AND MECHANICAL RESPONSE OF CEMENT PASTE <i>Renata Lorenzani, Alexander Mezhow, Tobias Fritsch, Wolfram Schmidt, Sabine Kruuschwitz</i>
		SP-362-09*	IMPROVING SULFATE RESISTANCE IN ALKALI-ACTIVATED SELF-COMPACTED CONCRETE: UTILIZING PRECURSOR COMBINATIONS AND DRY-POWDER ACTIVATORS AS A NOVEL APPROACH FOR ENHANCED DURABILITY <i>Dima Kanaan</i>		SUPP2024-43	DEGRADATION OF THERMOSETTING RESINS IN ALKALINE MEDIA: TOWARDS THE VALORIZATION OF COMPOSITE MATERIALS AS A NEW INGREDIENT IN CONCRETE <i>Natalia Lora-Acevedo , Heba Bessais-Bey, Thierry Sedran, Radhouane Masmoudi, Loïc Divet, Arezki Tagrit-hamou, Laetitia Van Schoors</i>	7C Biosourced materials	SP-362-53	EXPERIMENTAL-NUMERICAL STUDIES OF MOISTURE-TOLUENE BUFFERING CAPACITY OF HLC <i>Ash Dang Tran Le, Jianshun S Zhang, Zhenlei Liu, Fathia Dahri Igut, Bing Beverly Guo, Jérôme Lassin, Marie Versille, Frédéric Thevenet</i>
	7A Alkali activated materials	SP-362-57	CHLORIDE DIFFUSION IN GEOPOLYMERS CONTAINING PHASE CHANGE MATERIALS <i>Bouha EL MOUSTAPHA , Stéphanie BONNET, Abdelhafid KHEUDJ</i>	7B Recycled materials	SP-362-27	REMEDIATED THERMAL-TREATED SOIL AND TAR-CONTAINING ASPHALT AS SECONDARY FILLER AND SAND IN SELF-COMPACTING CONCRETE <i>Shizhe Zhang , Jeroen Lenderink, Marc Brito van Zijl, Vincent Twigt, Rob Bleijerveld</i>		SP-362-61	EFFECT OF SORGHUM SHIVES & WHEAT STRAW ON THE PROPERTIES OF COMPRESSED EARTH BLOCKS <i>Imane Gharbage , Ferhat Benmahidine, Nassim Sebabi</i>
		SP-362-12	CONTROL OF PHYSICAL DETERIORATION OF FOAMED GEOPOLYMERS EXPOSED TO HIGH TEMPERATURE <i>Zhuguo Li</i>		SP-362-63	VALORIZATION OF PRIMARY ALUMINUM INDUSTRY BY-PRODUCT IN CEMENT MATERIALS <i>Victor Briat , Laurent Birry, Claudiane Ouellet-Plamondon</i>		SP-362-74	MECHANICAL BEHAVIOR OF CONCRETE BASED ON AQUACULTURE CO-PRODUCTS <i>Camille Martin-Cavallé, Alexandra Bourdot, Olivier Rateau, Malo L'héguen, Nassim Sebabi, Rachid Benmacer</i>
9:50-10:10	Coffee Break			Coffee Break			Coffee Break		

	Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
			Chair: Laurent IZORET			Chair: Caroline Talbot			Chair: Vlastimil Bilek Sr
	Invited speaker	SUPP2024-26	A CRITICAL REVIEW ON THE OPERATIONAL USE OF ALKALI ACTIVATED GBFS BINDERS IN FRANCE <i>Christian Cremona</i>	Invited speaker	SUPP2024-37	VALORISATION OF RECYCLED GYPSUM IN THE SUPERSULFATED CEMENT FORMULATION <i>Damien Gaudel, Annabelle Pheipat-Mardelé, Christophe Lanos</i>	Invited speaker	SUPP2024-40	MICROSTRUCTURAL, MINERALOGICAL AND CHEMICAL STUDY OF BIOMASS ASH: TOWARD BIOMASS ASH CEMENT <i>Alexis Mériot , Marie-Noëlle de Noirfontaine, Mireille Courtial, Gwenn Le Saout, Victor Poussardin, Arnaud Plassais</i>
		SUPP2024-08	ROLE OF CURING REGIME FOR PHYSICO-MECHANICAL PROPERTIES AND CRACKING OF ALKALI-ACTIVATED SLAG WITH DIFFERENT ACTIVATORS <i>Vlastimil Bilek Jr. , Jan Hajzler, Jan Koplik, David Markusik, Pavel Rovnanik, Richard Dvořák, Barbara Kucharczyková</i>		SUPP2024-51	VALORIZATION OF MINING WASTE ROCKS FOR THE PRODUCTION OF CONCRETE <i>Bruna Figueiredo Cezar , Margareth da Silva Magalhães, André Rocha Pimenta</i>		SP-362-37	A NOVEL CLINKER-FREE BINARY PASTE WITH BIOMASS FLY ASH AND SLAG <i>Xuhui Liang , Guang Ye</i>

10:10-11:30	8A Alkali activated materials	SP-362-36	HARDENING AND SHRINKAGE KINETICS OF GEOPOLYMERS <i>Hugo Thuilliez, Christophe Lanos, Annabelle Phelipot-Mardelé, Gérard Mauvoisin</i>	8B Recycled materials	SUPP2024-13	ANALYSIS OF THE EFFICACY OF RECYCLED CONCRETE AGGREGATES FOR PLASTIC SHRINKAGE MITIGATION IN CONCRETES <i>Arthur Aziz Palma e Silva, Maria Monaliza Linhares Pereira, Valdirene Maria Silva Capuzzo, Alice Oliveira Pochyly da Costa, João Pedro de Souza Armando</i>	8C Biosourced materials	SUPP2024-42	DEVELOPMENT OF WOOD CONCRETE USING LOW CARBON CEMENTITIOUS BINDERS: INFLUENCE OF WOOD AGGREGATE TREATMENTS AND OPTIMIZATION OF BINDER REACTIVITY <i>Rémi Courbet, Matthieu Bertin, Simon Blotvogel, Priscilla Laniesse, Camille Magniont, Clédric Patapy, Eric Stora, Thomas Wattez, Martin Cyr</i>
		SUPP2024-21	MIXTURE PROPORTIONS OF ALKALI ACTIVATED CONCRETE: CURING IN AMBIENT CONDITIONS <i>Rajeev Kumar Ranjan, Ananth Ramaswamy</i>		SUPP2024-11	DURABILITY OF CONCRETE MIXTURES INCORPORATING A NEW ALUMINUM SILICATE AS ALTERNATIVE SUPPLEMENTARY CEMENTITIOUS MATERIAL (ASCMs). <i>Pierre-Claver Nkinamubanzi, Kerri Henriques, and Daniel Cusson</i>		SP-362-08	RHEOLOGY OF STABILIZED EARTH-BASED PASTE <i>Mojtaba Kahandehnia, Anmar Yahia</i>
	Plenary Session 3								
	11:45-12:35	Awardee presentations	Jean-Michel Torrenti: Accelerated carbonation of recycled concrete aggregates: results and perspectives of the FastCarb project Wolfram Schmidt: How Africa can lead low carbon concrete construction technologies by avoiding best practice from the global North						
12:35-13:00	Best student presentation Award announcement and Concluding remarks: Arezki Tagnit-Hamou (ICCM2024 Chairman)								
13:00	Lunch								