

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

		Coffee Break		Coffee Break	
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Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
10:00-12:00	Invited speaker	SP-362-52 USE OF HIGH SO <sub>2</sub> COAL ASH AS SUPPLEMENTARY CEMENTITIOUS MATERIALS IN CONCRETE <i>Gopakumar Kaladharan, Moe (Mohammadreza) Sharbaf, Farshad Rajabipour</i>	1B Mechanical prop. and durability	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>	1C Chemical Admixtures	Invited speaker	SP-362-29 DIRECT AND DELAYED DOSING: A NEW APPROACH TO QUANTIFY INEFFECTIVE SUPERPLASTICIZERS <i>Shengnan Sha, Moghul 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>		SUPP2024-23 FROST RESISTANCE OF ALKALI-ACTIVATED MATERIALS WITH DIFFERENT COMPOSITIONS <i>Vlastimil Bílek sr., Lukas Prochazka, Katerina Matyskova, Oldrich Sucharda</i>		SP-362-16 INFLUENCE OF THE POLYMER STRUCTURE ON THE RHEOLOGY OF PORTLAND CEMENT AND LC3 PASTES CONTAINING SUPERPLASTICIZERS <i>Gábor 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>		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>		SUPP2024-35 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 Bowab, Hilal El-Hassan, Amr El-Dieb, Jamal Khatib</i>		SUPP2024-22 STRUCTURAL PERFORMANCES OF LOW-CARBON BEAMS FOR PRECAST INDUSTRY <i>Matthieu Pellegrano, 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>Disconzi 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 FAHED, Stéphanie BONNET, Anthony SOIVE</i>		SP-362-35 COMBINED EFFECT OF POLYCARBOXYLATE ETHER AND PHOSPHONATED SUPERPLASTICIZERS IN LIMESTONE CALCINED CLAY CEMENT <i>Sirajuddin Moghul, Sruthi Sreeram, Shengnan Sha, Franco Zunino, Robert J. Flatt</i>		
SP-362-72 METALS IN MINE TAILINGS AND PROSPECTS FOR USE IN CEMENTITIOUS MATERIALS <i>Anne Mette Tholstrup Bagger, 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 Viacheslav, Gots Volodymyr, Bruno Alex, Panek Rafal, Flatt Robert J.</i>	SUPP2024-04 A PATHWAY FOR ULTRA-GREEN CONCRETE: THE KEY ROLE OF AGGREGATE GRADING AND CHEMICAL ADMIXTURES <i>Franco Zunino, Presentad by Paolo Camesasca</i>						

12:00-13:00	Lunch							
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13:00-15:00	Invited speaker	SUPP2024-45 CARBONATION POTENTIAL OF CONCRETE BASED ON "OFF-SPEC" BY-PRODUCT ASH BLENDS <i>Roy Wittenberg, Marina Kozhukhova, Piqi Zhao, Konstantin Sobolev</i>	2B Mechanical prop. and durability	SP-362-07 IT'S NOT ROCKET SCIENCE – MULTIPLE SCM BLENDS GIVE HIGH DURABILITY AND LOW CARBON <i>Robert Lewis</i>	2C Chemical Admixtures and Rheology	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 Rang Anfinsen, Aleksandra Marie Høye, Margrethe Munch-Elingsen, Mehrdad Torabzadegan</i>
	2A Alternative SCM	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>Rennan Medeiros and Leandro. F. M. Sanchez</i>		SUPP2024-10 IMPROVING THE EARLY AGE STRENGTHS OF LOW CO <sub>2</sub> BINDERS WITH A CALCIUM ALUMINATE-BASED ACCELERATOR <i>Barbara Benevenuti, Sara El Housseini, 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>	
		SUPP2024-06 SELF-HEALING OF LOW CO <sub>2</sub> ENGINEERED CEMENTITIOUS COMPOSITES <i>Shahin Zokaei, Hocine Siad, Mohamed Lachemi, Mustafa Sahmaran</i>		SP-362-11 MECHANICAL PERFORMANCE AND MICROSTRUCTURAL INVESTIGATION OF BINARY AND TERNARY LIME BINDERS WITH SILICA FUME AND METAKAOLIN <i>Luca Penazzato, Rogiatis Ilampas, Ioannis Rigopoulos, Ioannis Ioannou, Daniel V. Oliveira</i>		SP-326-10 WORKABILITY OF LOW-CLINKER MORTARS WITH RECYCLED FINE AGGREGATES AND DIFFERENT POLYMERS AS SUPERPLASTICIZER <i>Mareike Thiedeitz, Noah Tarrab Maslatan, Thomas Kränkel</i>	

		SP-362-13	REPLACEMENT OF NATURAL SAND WITH MANUFACTURED SAND WHILE MAINTAINING PACKING DENSITY <i>Barbara Aboagye, 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>Raphael Kuhn, Pietro Lura, Guillaume Habert, Ellina Bernard</i>
		SUPP2024-05	INFLUENCE OF TiO2 ON HARDENED PROPERTIES OF CONCRETE WITH LOW CEMENT CONTENT <i>Sérgio R. A. Dantas, Ana Bergmann, Rennan 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-Paniceña, Francisca Puertas, Marta Palacios</i>

15:00-15:30 Coffee Break

	Invited speaker	SP-362-22	RHEOLOGICAL EVALUATION OF HIGH FILLER – LOW WATER TERNARY SLAG CEMENT CONCRETE WITH LOW BINDER INTENSITY <i>Matthew Cruickshank, Ersa Myrtja, Roberta Alfani, Laurent Frouin, Mahend Chouche</i>	Invited speaker	SUPP2024-27	SUITABILITY OF WATERPROOFING COMPOUNDS TO REDUCE CARBONATION-INDUCED CORROSION RISK IN CONCRETES WITH LOW CLINKER CEMENTS <i>Lov Singh, Shashank Bishnoi</i>	Invited speaker	SP-362-43	LOW-CARBON CONCRETE ACHIEVED THROUGH RHEOLOGY MODIFICATION <i>Lesley Ko, Jeffery Bury, Charles Nmai</i>
15:30-17:30	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>	3B Mechanical prop. and durability	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>Elie Mahjoud, Khadim Ndaye, Walid Maherzi, Salima Aggoun, Nor-Edine Abriak, Mahjoud Benzerzour</i>	3C Rheology	SP-362-17	MACHINE LEARNING MODELS FOR PREDICTING RHEOLOGICAL PROPERTIES OF SELF-CONSOLIDATING CONCRETE (SCC) <i>Abdelhamid Hajdi, Ilhame Harbouz, 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 Flatt, David Kammer</i>
		SUPP2024-20	LOW ENERGY, LOW CO2 APPROACHES TO MAKING HIGH-VOLUME BELITE/CSA CONCRETE <i>Robert B. Jewell, Tristana 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 Muy, 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 Demeusy, Sandrine Gouffinet, Christophe Labbez</i>
		SP-362-38	VALORIZATION OF HARBOUR DREDGING SEDIMENTS AS SUPPLEMENTARY CEMENTITIOUS MATERIALS <i>Manassée Foksou Tchilo, Victor Briat, Claudiane Ouellet-Plamondon</i>		SP-362-69	COMPARATIVE STUDY OF THE MECHANICAL AND DURABILITY PERFORMANCE OF LOW CARBON CONCRETE MATRICES WITH ALTERNATIVE SCMS <i>Eliana Soldado, Hugo Costa, Ricardo do Carmo, Eduardo Júlia</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 Eslami, Anne-Lise Beaucaur, Albert Noumowe, Fabrice Mathieu, Philippe Gotteland</i>

Tuesday, June 25 2024

07:30-08:00	Registration
8:00-8:30	Welcome café
Plenary Session 2	
8:30-9:45	Keynote presentations
CO <sub>2</sub> Mitigation in China Cement Industry – A Review: Tongbo Sui, Sinoma Int'l 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

Session	Paper number	Room A	Session	Paper number	Room B	Session	Paper number	Room C
Invited speaker	SP-362-45	LEACHING OF MAGNESIUM PHOSPHATE CEMENT PASTES: INFLUENCE OF THE MG/P MOLAR RATIO <i>Laura Diaz Caselles, Ganaël Bon, Céline Cau Dit Coumes, Pascal Antonucci, Angélique Rousselet, Adel Mesbah, Valérie Montouillout</i>	Invited speaker	SP-362-25	FEASIBILITY OF USING NATURAL POZZOLAN-LIMESTONE-BASED CEMENT COMPOSITE FOR 3D PRINTING <i>Haodao Li, Alfred Addai-Nimah, Kamal H. Khayat</i>	Invited speaker	SUPP2024-03	INFLUENCE OF CARBONATED CALCIUM SILICATES ON CEMENT HYDRATION <i>Frank Winnefeld, Johannes Tiefenthaler, Andreas Leemann</i>
	SUPP2024-31	CARBONATION OF MAGNESIUM SILICATE CEMENTS <i>Ellina Bernard, B. Lothenbach, H. Nguyen</i>		SP-362-56	ENHANCING REACTIVITY OF CALCINED CLAYS FOR SUSTAINABLE CEMENT PRODUCTION THROUGH OPTIMIZATION OF ROTARY KILN PARAMETERS <i>Abdelmoujib Bohhou, Yassine Taha, Yasmine Rhaouti, Mohamed El Amal, Rachid Hakkou, Mostafa Benzazoua, Arezki Tagnit-Hamou</i>		SUPP2024-38	APPLICATION OF FLUORESCENCE SPECTROSCOPY FOR THE MONITORING OF CEMENT HYDRATION <i>Philipp Kossatz, Alexander Mezhev, Ellina Andresen, Wolfram Schmidt, Ute Resch-Genger</i>

10:20-12:00	4A Alternative binders + Mix designs	SP-362-55	INSIGHTS INTO PHASE ASSEMBLAGE IN MGO-AL2O3-(SIO2)-CO2 SYSTEMS <i>Hoang Nguyen, E. Bernard, P. Kinnunen</i>	4B Activated Clays	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>	4C Microstructure and hydration	SP-362-39	HYDRATION PROPERTIES AND PHYSICAL CHARACTERISTICS OF BELITE CEMENTS <i>Antonio Telesca, Milena Marroccoli, Neluta Ibris, Fulvio Canonico, Daniela Gastaldi</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 Raux, William Wilson, Dimitri Deneele, Michael Paris, Arezki Taghit-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 Muzenda, Fabien Georget, Thomas Matschei</i>		SP-362-41	ON THE FORMATION OF Al/Fe-AFM SOLID SOLUTIONS DURING HYDRATION OF Fe-RICH BINDERS <i>Aurora Lechevallier, Mahend Chaouch, Jérôme Soudier, Guillaume Renaudin</i>

12:00-13:00 Lunch

13:00-15:00	5A Alternative binders + Mix designs	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 Cannes</i>	5B Activated Clays	SUPP2024-29	AUSTRALIAN LC3 AS A SUPPLEMENTARY CEMENTITIOUS MATERIAL <i>Emily Condo, Rachel San Nicolas, Haleh Rosekhl, Arnaud Castel</i>	5C Microstructure and hydration	SP-362-59	ASSESSING POZZOLANIC REACTIVITY OF RECLAIMED FIRED CLAY ROOF TILES AND BRICKS IN PRESENCE OF GROUND LIMESTONE <i>Bernadin Guillaume, Théodore Serbaouç, Sandrine Gouffinet, Marie-Nolée de Noirfontaine, Laurent Izoret</i>
		SP-362-26	SOLID PHASE ANALYSIS OF HYDRATED MGO/NESQUEHONITE PASTES WITH SILICA OR METAKAOLIN ADDITION <i>Zeyu Zhou, Ellina Bernard, Barbara Lothenbach</i>		SP-362-48	INFLUENCE OF CALCINATION TEMPERATURE ON THE PROPERTIES OF CLAY <i>Dhar Mehnaz</i>		SP-362-28	EARLY AGE SHRINKAGE, HYDRATION KINETICS AND WORKABILITY OF MORTARS CONTAINING METAKAOLIN AND LIMESTONE POWDER <i>Alban Metallari, Mirco Wahab, Thomas A. Bier</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. Dams, Wilson R. Leal da Silva, Mehnaz Dhar, Peter A. Jensen</i>		SP-362-76	CHEMICAL REACTIVITY ASSESSMENT OF GLASS POWDER IN R <sup>3</sup> METHOD SYNTHETIC CONCRETE PORE SOLUTION BY ACCELERATED SOLUBILITY TESTING <i>Wena de Nazare de Rosario Martel, Josée Duchesne, Benoit Fournier</i>
		SUPP2024-07	ESTIMATION OF COMPRESSIVE STRENGTH OF BAUXITE RESIDUE AND FLY ASH BASED GEOPOLYMER BINDER USING TAGUCHI METHOD <i>Joao Augusto Lago Araujo Seixas, Ahmed Rahem, Mathieu Fiset, Christophe Volat, Guy Simard</i>		SUPP2024-33	COMPARATIVE STUDY OF HIGHLY SUBSTITUTED CEMENT BY FLASH METAKAOLIN <i>Florian Vatinel, Raphaël Bucher, Philippe Hauzo, Martin Cyr</i>		SUPP2024-34	POZZOLANICITY VS LATENT HYDRAULICITY IN SCMS: CLASSIFICATION TENTATIVE <i>Julia Jourdan, Laurent Izoret, Sandrine Gouffinet, Laurence Galois, 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 Ulm, Roland J.-M. Pelleng</i>		SP-362-23	INVESTIGATING THE POTENTIAL OF LIMESTONE AND CALCINED CLAY AS A SUBSTITUTE FOR FLY ASH IN STRAIN-HARDENING CEMENTITIOUS COMPOSITES (SHCC) <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 Dhole, 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 Thiedeitz, Thomas Kränkel</i>		SUPP2024-30	GEOPOLYMER MORTAR WITH FLASH-CALCINED EXCAVATED CLAYS CURED UNDER AMBIENT CONDITIONS <i>Noushadou Amar, Ali Alloul, Mahfoud Benzerzour, Nor-Edine Abriak</i>		SP-362-62	INVESTIGATIONS OF ETTRINGITE MORPHOLOGY WITH THE USE OF DIFFERENT RETARDERS IN CSA/OPC BLENDS <i>Tristano Duvallet, Robert Rathbone, Robert Jewell, Christopher Moore</i>

15:00-15:30 Coffee Break

15:30-17:30	6A Mix designs + CO2 sequestration	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>	6B Case studies and Special concrete	SUPP2024-28	REFRACTORY GEOPOLYMERS AND INTUMESCENT COATINGS FOR FIRE PROTECTION APPLICATIONS <i>Ameni Gharzouni, Lila Ouamara, Deniz Seker, Sylvie Rossignol</i>	6C Alkali activated materials	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>
		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 Horckmans</i>		SUPP2024-15	STUDY OF PROPERTIES OF AUTOCLAVE-CURED UFC WITH DIFFERING FIBER LENGTHS <i>Yusuke Asada, Junon Yoshikawa, Hirami Fujisawa, Masanori Maruoka</i>		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>Indong Jang, Namkon Lee, Hoan Moon, Gijoon Park, Gumsung Ryu, Junjun Park</i>		SP-362-14	FORMULATION OF SELF-COMPACTING CONCRETE WITH LIMESTONE TUFF AND STUDY OF THE PARAMETERS INFLUENCE ON THE RESPONSES <i>M. Boukhiout, Y. Benna, A. Bal, 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 Cratti, Simone Rapelli, Luigi Coppola</i>
	SUPP2024-32	INFLUENCE OF THE CARBONATION IN MORTARS WITH RICE-HUSK ASH AND LIMESTONE FILLER <i>Walter Gonzalo Muinelo Gallo, Gemma Rodriguez de Sensale</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-Hassan, J. Hwalla, A. A. Hassan, A. El-Dieb</i>	

17:55	SP-362-64	UTILIZATION OF WASTE CO2 GENERATED WATER 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., Adrián R. Arias P.</i>	SP-362-44	DEVELOPMENT OF BAUXITE 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 Permin, Suzanne Le Thierry, Jonathan Mai-Nhu, François Jacquemat, 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., Adrián R., Arias P., José Luis, Ochoa M.</i>		

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
8:30-9:50	Invited speaker	SP-362-06	STRUCTURAL GEOPOLYMER MORTARS WITH MAXIMUM AMOUNTS OF CONSTRUCTION AND DEMOLITION WASTES <i>Gulstekin Ozan Ucal, Hocine Siad, Mohamed Lachemi, Obaid Mahmoodi, Mustafa Sahmaran</i>	Invited speaker	SUPP2024-01	CONCRETE RECYCLING AGGREGATES TO PRODUCE DURABLE CONCRETE <i>Samuel Antoniotti, Cristina Mosca, Christian Paglia</i>	SP-362-77	EFFECT OF BIOCHAR ON THE MICROSTRUCTURE AND MECHANICAL RESPONSE OF CEMENT PASTE <i>Renata Lorenzoni, Alexander Mezhow, Tobias Fritsch, Wolfram Schmidt, Sabine Kruschwitz</i>
	7A Alkali activated materials	SUPP2024-24	STUDY OF THE CARBONATION OF SODIUM CARBONATE ALKALI-ACTIVATED SLAG <i>Patrick Azar, Cédric Patapy, Gabriel Samson, François Cussigh, Laurent Frouin, Martin Cyr</i>	7B Recycled materials	SUPP2024-43	DEGRADATION OF THERMOSETTING RESINS IN ALKALINE MEDIA: TOWARDS THE VALORIZATION OF COMPOSITE MATERIALS AS A NEW INGREDIENT IN CONCRETE <i>Natalia Lara-Acevedo, Hela Bessières-Bey, Thierry Sedan, Radhouane Masmoudi, Loïc Divet, Arezki Tagnit-hamou, Luciane Van Canino</i>	SP-362-53	EXPERIMENTAL-NUMERICAL STUDIES OF MOISTURE-TOLUENE BUFFERING CAPACITY OF HLC <i>Anh Dung Tran Le, Jianshun S Zhang, Zhenlei Liu, Fathia Dahir Igue, Bing Beverly Guo, Jérôme Lasne, Marie Verrièle, Frédéric Thevenet</i>
		SP-362-57	CHLORIDE DIFFUSION IN GEOPOLYMERS CONTAINING PHASE CHANGE MATERIALS <i>Bouha EL MOUSTAPHA, Stéphanie BONNET, Abdelhafid KHELIDI</i>		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 Sebaibi</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 Brial, Laurent Birry, Claudiane Ouellet-Plamondon</i>	SP-362-74	MECHANICAL BEHAVIOR OF CONCRETE BASED ON AQUACULTURE CO-PRODUCTS <i>Camille Martin-Cavaille, Alexandra Bourdat, Olivier Rateau, Malo L'Heuguen, Nassim Sebaibi, Rachid Bernerac</i>
9:50-10:10	Coffee Break		Coffee Break		Coffee Break			

10:10-11:30	Invited speaker	SUPP2024-26	A CRITICAL REVIEW ON THE OPERATIONAL USE OF ALKALI ACTIVATED GGBS BINDERS IN FRANCE <i>Christian Cremona</i>	Invited speaker	SUPP2024-37	VALORISATION OF RECYCLED GYPSUM IN THE SUPERSULFATED CEMENT FORMULATION <i>Damien Gaudrel, Annabelle Phelipot-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 Saot, Victor Poussardin, Arnaud Plassais</i>
	8A Alkali activated materials	SUPP2024-08	ROLE OF CURING REGIME FOR PHYSICO-MECHANICAL PROPERTIES AND CRACKING OF ALKALI-ACTIVATED SLAG WITH DIFFERENT ACTIVATORS <i>Vlastimil Bílek Jr., Jan Hajzler, Jan Koplík, David Markusik, Pavel Rovnaník, Richard Dvořák, Barbara Kucharczyková</i>	8B Recycled materials	SUPP2024-51	VALORIZATION OF MINING WASTE ROCKS FOR THE PRODUCTION OF CONCRETE <i>Bruno Figueiredo Cezar, Margareth da Silva Magalhães, André Rocha Pimenta</i>	8C Biosourced materials	SP-362-37	A NOVEL CLINKER-FREE BINARY PASTE WITH BIOMASS FLY ASH AND SLAG <i>Xuhui Liang, Guang Ye</i>
		SP-362-36	HARDENING AND SHRINKAGE KINETICS OF GEOPOLYMERS <i>Hugo Thuilliez, Christophe Lanos, Annabelle Phelipot-Mardelé, Gérard Mauvoisin</i>		SUPP2024-13	ANALYSIS OF THE EFFICACY OF RECYCLED CONCRETE AGGREGATES FOR PLASTIC SHRINKAGE MITIGATION IN CONCRETES <i>Arthur Aziz Palma e Silva, Mara Monaliza Linhares Pereira, Valdirene Maria Silva Capuzzo, Alice Oliveira Pochyly da Costa, João Pedro de Souza Armando</i>		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 Blotevoegel, Priscilla Lanieste, Camille Magniant, Cédric Patapy, Eric Stora, Thomas Watzet, 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 Nkinumbanzi, Kerri Henriques, and Daniel Cussan</i>		SP-362-08	RHEOLOGY OF STABILIZED EARTH-BASED PASTE <i>Mojtaba Kahandehnia, Ammar 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	