

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

ICCM2024 Toulouse France

Sunday, June 23, 2024

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

Monday, June 24, 2024

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| 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                                                |
|                   | Sustainability assessment of concrete printing technologies: Nicolas Roussel, Université Gustave Eiffel, France |
| 9:35-10:00        | Coffee Break                                                                                                    |

|             | Session               | Paper number | Room A                                                                                                                                                                                                    | Session                               | Paper number | Room B                                                                                                                                                                                                               | Session                   | Paper number | Room C                                                                                                                                                                                                   |
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|             |                       |              | Chair: William Wilson                                                                                                                                                                                     |                                       |              | Chair: Kamal Khayat                                                                                                                                                                                                  |                           |              | Chair: Caroline Talbot                                                                                                                                                                                   |
| 10:00-12:00 | Invited speaker       | SP-362-52    | USE OF HIGH SO <sub>3</sub> COAL ASH AS SUPPLEMENTARY CEMENTITIOUS MATERIALS IN CONCRETE<br><i>Gopakumar Kaladharan, Moe (Mohammadreza) Sharbaf, Farshad Rajabipour</i>                                   | Invited speaker                       | SP-362-66    | RESISTANCE TO CHLORIDE INGRESS OF ECO-EFFICIENT CONCRETE PROPORTIONED THROUGH PARTICLE PACKING MODELS (PPMS)<br><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<br><i>Shengnan Sha, Moghul Sirajuddin, Robert J. Flatt</i>                                                           |
|             | 1A<br>Alternative SCM | SP-362-70    | HARVESTED FLY ASH FOR SUPPLEMENTARY CEMENTITIOUS MATERIALS<br><i>Nader Ghafoori , Ariful Hasnat, Aderemi Gbadamosi</i>                                                                                    | 1B<br>Mechanical prop. and durability | SUPP2024-23  | FROST RESISTANCE OF ALKALI-ACTIVATED MATERIALS WITH DIFFERENT COMPOSITIONS<br><i>Vlastimil Bilek sr ., Lukas Prochazka, Katerina Matyskova, Oldrich Sucharda</i>                                                     | 1C<br>Chemical Admixtures | SP-362-16    | INFLUENCE OF THE POLYMER STRUCTURE ON THE RHEOLOGY OF PORTLAND CEMENT AND LC3 PASTES CONTAINING SUPERPLASTICIZERS<br><i>Gádt Torben</i>                                                                  |
|             |                       | SP-362-65*   | STUDY ON USE OF MSWI FLY ASH WITH MAINSTREAM SUPPLEMENTARY CEMENTITIOUS MATERIALS<br><i>Kwangwoo Wi, Oguzhan Sahin, Kejin Wang , Yunsu Lee</i>                                                            |                                       | SUPP2024-24  | STUDY OF THE CARBONATION OF SODIUM CARBONATE ALKALI-ACTIVATED SLAG<br><i>Patrick Azar , Cédric Patapy, Gabriel Samson, François Cussigh, Laurent Frouin, Martin Cyr</i>                                              |                           | SUPP2024-35  | SUSTAINABLE CONCRETES WITH ADVANCED ADMIXTURES AND THE OPTIMAL PROPORTIONING OF GROUND CALCIUM CARBONATE<br><i>Sandro Moro , P. Gannon, N. Zeminian, R. Berardi</i>                                      |
|             |                       | SUPP2024-39* | OPTIMIZING THE MIXTURE PROPORTIONS OF CEMENTITIOUS COMPOSITES INCORPORATING VOLCANIC ASH<br><i>Jad Bawab , Hilal El-Hassan, Amr El-Dieb, Jamal Khatib</i>                                                 |                                       | SUPP2024-22  | STRUCTURAL PERFORMANCES OF LOW-CARBON BEAMS FOR PRECAST INDUSTRY<br><i>Mathieu Pellerano , Zakaria Djamal, 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<br><i>Lucia Ferrari , V. Bortolotti, 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<br><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<br><i>Gayelle FAHED , Stéphanie BONNET, Anthony SOIVE</i> |                           | SP-362-35    | COMBINED EFFECT OF POLYCARBOXYLATE ETHER AND PHOSPHONATED SUPERPLASTICIZERS IN LIMESTONE CALCINED CLAY CEMENT<br><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<br><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<br><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<br><i>Franco Zunino, Presentd by Paolo Camesasca</i>                                                       |
|             | Lunch                 |              |                                                                                                                                                                                                           |                                       |              |                                                                                                                                                                                                                      |                           |              |                                                                                                                                                                                                          |
| 12:00-13:00 |                       |              |                                                                                                                                                                                                           |                                       |              |                                                                                                                                                                                                                      |                           |              |                                                                                                                                                                                                          |

|  | Session         | Paper number | Room A                                                                                                                                                 | Session         | Paper number | Room B                                                                                                   | Session         | Paper number | Room C                                                                                                                                                                                                                               |
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|  |                 |              | Chair: Dimitri Deneele                                                                                                                                 |                 |              | Chair: Leandro Sanchez                                                                                   |                 |              | Chair: Charles Nmai                                                                                                                                                                                                                  |
|  | Invited speaker | SUPP2024-45  | CARBONATION POTENTIAL OF CONCRETE BASED ON "OFF-SPEC" BY-PRODUCT ASH BLENDS<br><i>Roy Wittenberg, Marina Kozhukhova, Piqi Zhao, Konstantin Sobolev</i> | Invited speaker | SP-362-07    | IT'S NOT ROCKET SCIENCE – MULTIPLE SCM BLENDS GIVE HIGH DURABILITY AND LOW CARBON<br><i>Robert Lewis</i> | Invited speaker | SP-362-24    | PERFORMANCE OF CALCIUM NITRATE AS ACCELERATOR FOR CEMENT BLENDED WITH BLAST FURNACE SLAG<br><i>Harald Justnes, Tobias Danner, Elise Marie Rong Anfinssen, Aleksandra Marie Høye, Margrethe Munch-Ellingsen, Mehrdad Torabzadegan</i> |

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| 13:00-15:00 | 2A<br>Alternative<br>SCM | SP-362-20   | EFFECT OF MILLING ON THE REACTIVITY OF MIXED RECYCLED AGGREGATE POWDER AS AN SCM<br><i>Jingwen Liu , Pieter Rauwoens, Özlem Cizer</i>                                          | 2B<br>Mechanical<br>prop. and<br>durability | SP-362-31   | ASSESSING FLY ASH BENEFICIATION'S PROCESS EFFECT ON CONCRETE PERFORMANCE<br><i>Rennan Medeiros and Leandro. F. M. Sanchez</i>                                                                                                                      | 2C<br>Chemical<br>Admixtures<br>and Rheology | SUPP2024-10 | IMPROVING THE EARLY AGE STRENGTHS OF LOW CO2 BINDERS WITH A CALCIUM ALUMINATE-BASED ACCELERATOR<br><i>Barbara Benevenuti , Sarra El Housseini, Nicolas Maach, Hervé Fryda, Sébastien Perrot, Muriel Chambon</i> |
|             |                          | SUPP2024-50 | SUSTAINABLE CONCRETE WITH A NANO CSH OR A NEW TYPE OF HIGH-PERFORMANCE POZZOLAN<br><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<br><i>Kashif Naukhez , R. Vidy Sagar, J. M. Chandra Kishen</i> |                                              | SUPP2024-44 | DEVELOPING A RETARDER FOR AN ALKALI ACTIVATED SLAG CEMENT FOR NUCLEAR WASTE CONDITIONING<br><i>Emmanuel PERIN, Heloise JOURDAN, Isabelle MOULIN, Lavinia STEFAN , Sabah BEN LAGHA, Virginie BENAVENT</i>        |
|             |                          | SUPP2024-06 | SELF-HEALING OF LOW CO2 ENGINEERED CEMENTITIOUS COMPOSITES<br><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<br><i>Luca Penazzato , Rogiros Illampas, 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<br><i>Mareike Thiedeitz , Noah Tarrab Maslaton, Thomas Kränkel</i>                                  |
|             |                          | SP-362-13   | REPLACEMENT OF NATURAL SAND WITH MANUFACTURED SAND WHILE MAINTAINING PACKING DENSITY<br><i>Barbara Aboagye , Ryan Gosselin, William Wilson</i>                                 |                                             | SP-362-04   | MULTISCALE MECHANICAL INVESTIGATION OF TERNARY BINDERS INCORPORATING CALCINED CLAY AND SLAG<br><i>Imane Bekrine , Benoît Hilloulin, Ahmed Loukili</i>                                                                                              |                                              | SUPP2024-41 | COMPARISON OF EARLY AGE PROPERTIES OF MGO AND PC STABILIZED CLAYS CONTAINING SODIUM HEXAMETAPHOSPHATE<br><i>Raphael Kuhn , Pietro Lura, Guillaume Habert, Ellina Bernard</i>                                    |
|             |                          | SUPP2024-05 | INFLUENCE OF TiO2 ON HARDENED PROPERTIES OF CONCRETE WITH LOW CEMENT CONTENT<br><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<br><i>Lucas Mosser , Eric Garcia Diaz, Patrick Rougeau, François Jacquemot</i>                                                                                |                                              | SP-362-40   | PARTICLE INTERACTION IN METAKAOLIN SUSPENSIONS<br><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                                                                                                                                                                                        |
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|             |                                               |              | 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<br><i>Matthew Cruickshank , Erisa Myrtja, Roberta Alfani, Laurent Frauin, Mohend Chaoouche</i> | Invited speaker                             | SUPP2024-27  | SUITABILITY OF WATERPROOFING COMPOUNDS TO REDUCE CARBONATION-INDUCED CORROSION RISK IN CONCRETES WITH LOW CLINKER CEMENTS<br><i>Lav Singh, Shashank Bishnoi</i>                                                                                                                  | Invited speaker | SP-362-43    | LOW-CARBON CONCRETE ACHIEVED THROUGH RHEOLOGY MODIFICATION<br><i>Lesley Ko, Jeffery Bury, Charles Nmai</i>                                                                                    |
|             |                                               | SP-362-75    | DATA MINING HEIDELBERGMATERIALS DATABASE: PORTLAND CEMENT – LIMESTONE SYSTEMS OPTIMIZATION WITH MACHINE LEARNING<br><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<br><i>Elie Mahfoud , Khadim Ndaiye, Walid Maherzi, Salima Aggoun, Nor-Edine Abriak, Mahfoud Benzerzour</i>                   |                 | SP-362-17    | MACHINE LEARNING MODELS FOR PREDICTING RHEOLOGICAL PROPERTIES OF SELF-CONSOLIDATING CONCRETE (SCC)<br><i>Abdelhamid Hafidi , Ilhame Harbouz, Benoit Hilloulin, Ahmed Loukili, Ammar Yahia</i> |
|             | 3A<br>Alternative<br>binders + Mix<br>designs | SP-362-67    | ENHANCING THE JOURNEY TOWARDS CONCRETE NET ZERO: THE ROLE OF ECO-EFFICIENT CONCRETE, PARTICLE PACKING MODELS, AND LIMESTONE FILLERS<br><i>M.T. de Grazia, Leandro F.M. Sanchez</i>                      | 3B<br>Mechanical<br>prop. and<br>durability | SUPP2024-47  | POZZOLANS INCREASE DURABILITY IN A MARINE ENVIRONMENT<br><i>Ian N. Robertson</i>                                                                                                                                                                                                 | 3C<br>Rheology  | SUPP2024-46  | STRUCTURAL BUILD-UP AT REST IN ORDINARY PORTLAND CEMENT<br><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<br><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<br><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<br><i>Yannick Demeusy , Sandrine Gauffinet, Christophe Labbez</i>                                                                     |
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|  |  | SP-362-38 | VALORIZATION OF HARBOUR DREDGING SEDIMENTS AS SUPPLEMENTARY CEMENTITIOUS MATERIALS<br><i>Manassée Foksou Tchilia, Victor Brial, Claudiane Ouellet-Plamondon</i>                 |  | SP-362-69 | COMPARATIVE STUDY OF THE MECHANICAL AND DURABILITY PERFORMANCE OF LOW CARBON CONCRETE MATRICES WITH ALTERNATIVE SCMS<br><i>Eliana 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<br><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<br><i>Parisa Heidari , William Wilson, Patrice Rivard</i> |  | SP-362-34 | TERNARY CEMENT MIXTURES AND MARBLE AND GRANITE WASTE IN SELF-COMPACTING CONCRETE<br><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<br><i>Clément Bideux , Javad Eslami, Anne-Lise Beaucour, Albert Noumowe, Fabrice Mathieu, Philippe Gotteland</i> |

| Tuesday, June 25 2024 |                                         |                                                                                                                                                          |                                                                                                                                                                                                                              |                       |              |                                                                                                                                                                                                                                                               |                                    |              |                                                                                                                                                                                |
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| 07:30:00              | Registration                            |                                                                                                                                                          |                                                                                                                                                                                                                              |                       |              |                                                                                                                                                                                                                                                               |                                    |              |                                                                                                                                                                                |
| 8:00-8:30             | Welcome café                            |                                                                                                                                                          |                                                                                                                                                                                                                              |                       |              |                                                                                                                                                                                                                                                               |                                    |              |                                                                                                                                                                                |
|                       | Plenary Session 2                       |                                                                                                                                                          |                                                                                                                                                                                                                              |                       |              |                                                                                                                                                                                                                                                               |                                    |              |                                                                                                                                                                                |
| 8:30-9:45             | Keynote presentations                   | CO2 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                            |                                                                                                                                                          |                                                                                                                                                                                                                              | Coffee Break          |              |                                                                                                                                                                                                                                                               | Coffee Break                       |              |                                                                                                                                                                                |
| 10:20-12:00           | Session                                 | Paper number                                                                                                                                             | Room A                                                                                                                                                                                                                       | Session               | Paper number | Room B                                                                                                                                                                                                                                                        | Session                            | Paper number | Room C                                                                                                                                                                         |
|                       |                                         |                                                                                                                                                          | Chair: Barbara Lothenbach                                                                                                                                                                                                    |                       |              | Chair: Shashank Bishnoi                                                                                                                                                                                                                                       |                                    |              | Chair: Josée Duchesne                                                                                                                                                          |
|                       | Invited speaker                         | SP-362-45                                                                                                                                                | LEACHING OF MAGNESIUM PHOSPHATE CEMENT PASTES: INFLUENCE OF THE MG/P MOLAR RATIO<br><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<br><i>Haodao Li, Alfred Addai-Nimoh, Kamal H. Khayat</i>                                                                                                               | Invited speaker                    | SUPP2024-03  | INFLUENCE OF CARBONATED CALCIUM SILICATES ON CEMENT HYDRATION<br><i>Frank Winnefeld , Johannes Tiefenthaler , Andreas Leemann</i>                                              |
|                       | 4A<br>Alternative binders + Mix designs | SUPP2024-31                                                                                                                                              | CARBONATION OF MAGNESIUM SILICATE CEMENTS<br><i>Ellina. Bernard , B. Lothenbach, H. Nguyen</i>                                                                                                                               | 4B<br>Activated Clays | SP-362-56    | ENHANCING REACTIVITY OF CALCINED CLAYS FOR SUSTAINABLE CEMENT PRODUCTION THROUGH OPTIMIZATION OF ROTARY KILN PARAMETERS<br><i>Abdelmoujib Bahhou , Yassine Taha, Yasmine Rhaouti, Mohamed El Amal, Rachid Hakkou, Mostafa Benzaazoua, Arezki Tagnit-Hamou</i> | 4C<br>Microstructure and hydration | SUPP2024-38  | APPLICATION OF FLUORESCENCE SPECTROSCOPY FOR THE MONITORING OF CEMENT HYDRATION<br><i>Philipp Kossatz, Alexander Mezhev, Elina Andresen, Wolfram Schmidt, Ute Resch-Genger</i> |
|                       |                                         | SP-362-55                                                                                                                                                | INSIGHTS INTO PHASE ASSEMBLAGE IN MGO-AL2O3-(SIO2)-CO2 SYSTEMS<br><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<br><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<br><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<br><i>Bo Wu, Jishen Qiu</i>                                                                                                                      |                       | SP-362-21    | LINKING WATER DEMAND AND SURFACE AREA OF CALCINED PLYGORSKITE<br><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<br><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<br><i>Charlotte Dewitte, Ellina Bernard</i>                                                                        |                       | SP-362-54    | EARLY REACTIVITY ASSESSMENT OF CALCINED CLAYS AND THE IMPACT OF SECONDARY PHASES<br><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<br><i>Aurore Lechevallier, Mohend Chaouche, Jérôme Soudier, Guillaume Renaudin</i>           |
| 12:00-13:00           | Lunch                                   |                                                                                                                                                          |                                                                                                                                                                                                                              |                       |              |                                                                                                                                                                                                                                                               |                                    |              |                                                                                                                                                                                |
|                       | Session                                 | Paper number                                                                                                                                             | Room A                                                                                                                                                                                                                       | Session               | Paper number | Room B                                                                                                                                                                                                                                                        | Session                            | Paper number | Room C                                                                                                                                                                         |
|                       |                                         |                                                                                                                                                          | Chair: Lesley Ko                                                                                                                                                                                                             |                       |              | Chair: Claudiane Ouellet-Plamondon                                                                                                                                                                                                                            |                                    |              | Chair: Frank Winnefeld                                                                                                                                                         |

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| 13:00-15:00 | Invited speaker                         | SUPP2024-49  | DEVELOPING A LOW-COST MAGNESIUM PHOSPHATE CEMENT FORMULATION FOR NUCLEAR WASTE STABILIZATION<br><i>Kim-Khanh Le, Davide Rodrigues, Sylvie Delpec, <b>Lavinia Stefan</b>, Céline Cannes</i>                                                         | Invited speaker       | SUPP2024-29  | AUSTRALIAN LC3 AS A SUPPLEMENTARY CEMENTITIOUS MATERIAL<br><i>Emily Cando, Rackel San Nicolas, Haleh Rasekhl, <b>Arnaud Castel</b></i>                                                                                               | Invited speaker                    | SP-362-62    | INVESTIGATIONS OF ETTRINGITE MORPHOLOGY WITH THE USE OF DIFFERENT RETARDERS IN CSA/OPC BLENDS<br><i><b>Tristana Duvallet</b>, Robert Rathbone, Robert Jewell, Christopher Moore</i>                                                     |  |  |  |
|             | 5A<br>Alternative binders + Mix designs | SP-362-19    | HYDRATION MECHANISM OF MGO-NESQUEHONITE BLENDS<br><i><b>Paula Montserrat-Torres</b>, Barbara Lothenbach, Frank Winnefeld</i>                                                                                                                       | 5B<br>Activated Clays | SP-362-48    | INFLUENCE OF CALCINATION TEMPERATURE ON THE PROPERTIES OF CLAY<br><b>Dhar Mehnaz</b>                                                                                                                                                 | 5C<br>Microstructure and hydration | SP-362-28    | EARLY AGE SHRINKAGE, HYDRATION KINETICS AND WORKABILITY OF MORTARS CONTAINING METAKAOLIN AND LIMESTONE POWDER<br><i><b>Alban Metallari</b>, Mirco Wahab, Thomas A. Bier</i>                                                             |  |  |  |
|             |                                         | SP-362-26    | SOLID PHASE ANALYSIS OF HYDRATED MGO/NESQUEHONITE PASTES WITH SILICA OR METAKAOLIN ADDITION<br><i><b>Zeyu Zhou</b>, Ellina Bernard, Barbara Lothenbach</i>                                                                                         |                       | SP-362-51    | CLAY CALCINATION METHODS AND COMPOSITION IMPACTS ON CALCINED CLAY PROPERTIES<br><i><b>Anastasia Koutsouradi</b>, Anne J. Damø, 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<br><i><b>Wena de Nazaré do Rosario Martel</b>, Joséé Duchesne, Benoît Fournier</i>           |  |  |  |
|             |                                         | SUPP2024-07  | ESTIMATION OF COMPRESSIVE STRENGTH OF BAUXITE RESIDUE AND FLY ASH BASED GEOPOLYMER BINDER USING TAGUCHI METHOD<br><i><b>Joao Augusto Lago Araujo Seixas</b>, Ahmed Rahem, Mathieu Fiset, Christophe Volat, Guy Simard</i>                          |                       | SUP2024-33   | COMPARATIVE STUDY OF HIGHLY SUBSTITUTED CEMENT BY FLASH METAKAOLIN<br><i><b>Florian Vatinel</b>, Raphaël Bucher, Philippe Hauza, Martin Cyr</i>                                                                                      |                                    | SUPP2024-34  | POZZOLANICITY VS LATENT HYDRAULICITY IN SCMS: CLASSIFICATION TENTATIVE<br><i><b>Julia Jourdan</b>, Laurent Izoret, Sandrine Gauffinet, 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<br><i><b>Nancy Soliman</b>, 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)<br><i><b>Ameer Hamza Ahmed</b>, Marco Liebscher, Cesare Signorini, Viktor Mechtcherine</i> |                                    | SP-362-30    | QUANTITATIVE ANALYSIS OF FLY ASH HYDRATION PRODUCTS FORMED IN SULFATE ENVIRONMENT<br><i><b>Rajaram Dhole</b>, 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<br><i><b>Leonie von Oepen</b>, Mareike Thiedeitz, Thomas Kränkel</i>                                                                  |                       | SUPP2024-30  | GEOPOLYMER MORTAR WITH FLASH-CALCINED EXCAVATED CLAYS CURED UNDER AMBIENT CONDITIONS<br><i><b>Mouhamadou Amar</b>, Ali Alloul, Mahfoud Benzerzour, Nor-Edine Abriak</i>                                                              |                                    | SP-362-59    | ASSESSING POZZOLANIC REACTIVITY OF RECLAIMED FIRED CLAY ROOF TILES AND BRICKS IN PRESENCE OF GROUND LIMESTONE<br><i>Bernadin Guillaume, <b>Théodore Serbource</b>, Sandrine Gauffinet, Marie-Noëlle de Noirfontaine, Laurent Izoret</i> |  |  |  |
| 15:00-15:30 | Coffee Break                            |              |                                                                                                                                                                                                                                                    |                       | Coffee Break |                                                                                                                                                                                                                                      |                                    |              | Coffee Break                                                                                                                                                                                                                            |  |  |  |
|             | Session                                 | Paper number | Room A<br>Chair: Jean-Michel Torrenti                                                                                                                                                                                                              | Session               | Paper number | Room B<br>Chair: Ahmed Loukili                                                                                                                                                                                                       | Session                            | Paper number | Room C<br>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<br><i><b>Sandrine Braymand</b>, Sébastien Roux</i>                          | Invited speaker       | SUPP2024-28  | REFRACTORY GEOPOLYMERS AND INTUMESCENT COATINGS FOR FIRE PROTECTION APPLICATIONS<br><i><b>Ameni Gharzouni</b>, Lila Ouamara, 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<br><i>Denny Coffetti, Simone Rapelli, <b>Luigi Coppola</b></i>                                                            |  |  |  |
|             |                                         | SP-362-42    | UPCYCLING BASIC OXYGEN FURNACE (BOF) SLAG INTO A CARBON NEGATIVE SUPPLEMENTARY CEMENTITIOUS MATERIAL (SCM) THROUGH MINERAL CARBONATION<br><i><b>Hadi Kazemi Kamyab</b>, Peter Nielsen, Bert Riems, Liesbeth Horckmans</i>                          |                       | SUPP2024-15  | STUDY OF PROPERTIES OF AUTOCLAVE-CURED UFC WITH DIFFERING FIBER LENGTHS<br><i><b>Yusuke Asada</b>, Junon Yoshikawa, Hiromi Fujiwara, Masanori Maruoka</i>                                                                            |                                    | SP-362-18    | EFFECTS OF SI/AL MOLAR RATIO ON THE STRUCTURE AND PROPERTIES OF METAKAOLIN BASED ALKALI ACTIVATED BINDERS<br><i><b>Jessica Lohmann</b>, Frank Schmidt-Döhl</i>                                                                          |  |  |  |
|             |                                         | SP-362-32    | UTILIZATION OF ELECTRIC ARC FURNACE SLAG FOR CO2 STORAGE IN MORTAR USING PRESSURIZED CO2 CURING CONDITION<br><i><b>Indong Jang</b>, Namkan 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<br><i><b>M. Boulkhiout</b>, Y. Benna, A. Bali, E.H. Benyoussef, Silhadi K.</i>                                    |                                    | SP-362-02    | THE INFLUENCE OF TiO2 NANOPARTICLES ON THE SMART PROPERTIES OF ALKALI-ACTIVATED MATERIALS<br><i><b>Denny Coffetti</b>, Elena Crotti, Simone Rapelli, Luigi Coppola</i>                                                                  |  |  |  |

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| 15:30-17:30 | 6A<br>Mix designs + CO2 sequestration                              | SUPP2024-32 | INFLUENCE OF THE CARBONATION IN MORTARS WITH RICE-HUSK ASH AND LIMESTONE FILLER<br><i>Walter Gonzalo Muinelo Gallo, Gemma Rodriguez de Sensale</i>                                                                                                                                | 6B<br>Case studies and Special concrete | SUPP2024-16 | MECHANICAL PROPERTIES OF FLY ASH-BASED LIGHTWEIGHT BLOCKS<br><i>Yedida Sri Ram , GVP Bhagath Singh</i>                                                                                                | 6C<br>Alkali activated materials | SUPP2024-17 | EVALUATION OF FLY ASH/GBFS BLENDED GEOPOLYMER COMPOSITE CONTAINING DES<br><i>A. El-Mir , H. El-Hassan, J. Hwalla, A. A. Hassan, A. El-Dieb</i>                                   |
|             |                                                                    | SP-362-64   | UTILIZATION OF WASTE CO2 GENERATED VATERITE IN BLENDED CEMENTS<br><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<br><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<br><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<br><i>Thomas Perrin, 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<br><i>Stephani Voelger S ., Adrián 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 |                                  |              |                                                                                                                                                                                                        |                          |              |                                                                                                                                                                                                                                                                                      |                            |              |                                                                                                                                                                                                                                |
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| 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: Benoit 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<br><i>Gultekin Ozan Ucal, Hocine Siad , Mohamed Lachemi, Obaid Mahmoodi, Mustafa Sahmaran</i>                 | Invited speaker          | SUPP2024-01  | CONCRETE RECYCLING AGGREGATES TO PRODUCE DURABLE CONCRETE<br><i>Samuel Antonietti, Cristina Mosca, Christian Paglia</i>                                                                                                                                                              | 7C<br>Biosourced materials | SP-362-77    | EFFECT OF BIOCHAR ON THE MICROSTRUCTURE AND MECHANICAL RESPONSE OF CEMENT PASTE<br><i>Renata Lorenzoni, Alexander Mezhov, Tobias Fritsch, Wolfram Schmidt, Sabine Kruschwitz</i>                                               |
|                          | 7A<br>Alkali activated materials | 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<br><i>Dima Kanaan</i> | 7B<br>Recycled materials | SUPP2024-43  | DEGRADATION OF THERMOSETTING RESINS IN ALKALINE MEDIA: TOWARDS THE VALORIZATION OF COMPOSITE MATERIALS AS A NEW INGREDIENT IN CONCRETE<br><i>Natalia Lara-Acevedo , Hela Bessaies-Bey, Thierry Sedran, Radhouane Masmoudi, Loïc Divet, Arezki Tagnit-hamou, Laetitia Van Schoors</i> |                            | SP-362-53    | EXPERIMENTAL-NUMERICAL STUDIES OF MOISTURE- TOLUENE BUFFERING CAPACITY OF HLC<br><i>Anh Dung Tran Le , Jianshun S Zhang, Zhenlei Liu, Fathia Dahir Igue, Bing Beverly Guo, Jérôme Lasne, Marie Verriele, Frédéric Thevenet</i> |
|                          |                                  | SP-362-57    | CHLORIDE DIFFUSION IN GEOPOLYMERS CONTAINING PHASE CHANGE MATERIALS<br><i>Bouha EL MOUSTAPHA , Stéphanie BONNET, Abdelhafid KHELIDJ</i>                                                                |                          | SP-362-27    | REMEDIATED THERMAL-TREATED SOIL AND TAR-CONTAINING ASPHALT AS SECONDARY FILLER AND SAND IN SELF-COMPACTING CONCRETE<br><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<br><i>Imane Gharbage , Ferhat Benmahiddine, Nassim Sebaibi</i>                                                                             |
|                          |                                  | SP-362-12    | CONTROL OF PHYSICAL DETERIORATION OF FOAMED GEOPOLYMERS EXPOSED TO HIGH TEMPERATURE<br><i>Zhuguo Li</i>                                                                                                |                          | SP-362-63    | VALORIZATION OF PRIMARY ALUMINUM INDUSTRY BY-PRODUCT IN CEMENT MATERIALS<br><i>Victor Brial , Laurent Birry, Claudiane Ouellet-Plamondon</i>                                                                                                                                         |                            | SP-362-74    | MECHANICAL BEHAVIOR OF CONCRETE BASED ON AQUACULTURE CO-PRODUCTS<br><i>Camille Martin-Cavaillé, Alexandra Bourdot, Olivier Rateau, Malo L'helguen, Nassim Sebaibi, Rachid Bennacer</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: Douglas Hooton                                                                                                                                                                                                                                                                |                            |              | Chair: Vlastimil Bilek Sr                                                                                                                                                                                                      |
|                          | Invited speaker                  | SUPP2024-26  | A CRITICAL REVIEW ON THE OPERATIONAL USE OF ALKALI ACTIVATED GGBS BINDERS IN FRANCE<br><i>Christian Cremona</i>                                                                                        | Invited speaker          | SUPP2024-37  | VALORISATION OF RECYCLED GYPSUM IN THE SUPERSULFATED CEMENT FORMULATION<br><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<br><i>Alexis Mériot , Marie-Noëlle de Noirfontaine, Mireille Courtial, Gwenn Le Saoût, Victor Poussardin, Arnaud Plaisais</i>      |

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| 10:10-11:30 | 8A<br>Alkali<br>activated<br>materials | SUPP2024-08 | ROLE OF CURING REGIME FOR PHYSICO-MECHANICAL PROPERTIES AND CRACKING OF ALKALI-ACTIVATED SLAG WITH DIFFERENT ACTIVATORS<br><i>Vlastimil Bilek Jr., Jan Hajzler, Jan Koplik, David Markusik, Pavel Rovanik, Richard Dvořák, Barbara Kucharczyková</i> | 8B<br>Recycled<br>materials | SUPP2024-51 | VALORIZATION OF MINING WASTE ROCKS FOR THE PRODUCTION OF CONCRETE<br><i>Bruna Figueiredo Cezar, Margareth da Silva Magalhães, André Rocha Pimenta</i>                                                                                                                   | 8C<br>Biosourced<br>materials | SP-362-37   | A NOVEL CLINKER-FREE BINARY PASTE WITH BIOMASS FLY ASH AND SLAG<br><i>Xuhui Liang, Guang Ye</i>                                                                                                                                                                                                        |
|             |                                        | SP-362-36   | HARDENING AND SHRINKAGE KINETICS OF GEOPOLYMERS<br><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<br><i>Arthur Aviz 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<br><i>Rémi Courbet, Matthieu Bertin, Simon Blotevogel, Priscilla Lanieste, Camille Magniant, Cédric Patapy, Eric Stora, Thomas Wattez, Martin Cyr</i> |
|             |                                        | SUPP2024-21 | MIXTURE PROPORTIONS OF ALKALI ACTIVATED CONCRETE: CURING IN AMBIENT CONDITIONS<br><i>Rajeev Kumar Ranjan, Ananth Ramaswamy</i>                                                                                                                       |                             | SUPP2024-11 | DURABILITY OF CONCRETE MIXTURES INCORPORATING A NEW ALUMINUM SILICATE AS ALTERNATIVE SUPPLEMENTARY CEMENTITIOUS MATERIAL (ASCMS).<br><i>Pierre-Claver Nkinamubanzi, Kerri Henriques, and Daniel Cusson</i>                                                              |                               | SP-362-08   | RHEOLOGY OF STABILIZED EARTH-BASED PASTE<br><i>Mojtaba Kohandelnia, Ammar Yahia</i>                                                                                                                                                                                                                    |

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| 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<br>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                                                                                                        |                                                                                                                                                                                                                                                                       |

