

SUNDAY 15 JUNE 2025

17:30-19:00	Registration desk
19:00-20:30	19:00 – 20:30 : Palais des Congrès Antibes Juan les Pins – Méditerranée Space Welcome Reception (included in registration fees)

Detailed technical program

MONDAY 16 JUNE 2025

8:00-9:00	Registration desk & Coffee (Méditerranée Space)						
	Amphitheater Antipolis						
9:00-11:00	Opening ceremony Welcome from conference chairs, official address from Antibes mayor, fib president address, fib fellows 2025 presentation, fib Medal Recipients 2025, fib Honorary Member 2025 AAYE ceremony including a tribute to Jean Muller by Claude Le Quééré, AFGC President						
11:00-11:30	Coffee break & Exhibition (Gould Space)						
11:30-12:30	Keynotes – Session Chair Iria Doniak, fib President						
11:30-12:00	Keynote 1 - VN Heggade: Design and Construction of Bridges in India: lessons for practice to safe design						
12:00-12:30	Keynote 2 - Kefei Li: Sulfate attack on structural concretes: from microscopic mechanisms to engineering modeling						
12:30-14:00	Lunch (Gould Space)						
14:00-15:15	Parallel Session 1						
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room	Gould 2 Room
	SPECIAL SESSION 26 (1/3) Climate-friendly Transition of the Concrete Construction Industry: Challenges and Possibilities Chairs Norbert Randl & Giuliana Somma	SPECIAL SESSION 5 Probabilistic Reliability Assessment of Existing Concrete Structures in Engineering Practice Chair Miroslav Sykora	SPECIAL SESSION 4 Pre-fabricated shallow floors Chair Wit Derkowski	SPECIAL SESSION 7 Material-appropriate construction with carbon-reinforced concrete Chairs Steffen Marx	Parallel Session 1a Numerical modelling Chair Walter Kaufmann	Parallel Session 1b Monitoring (1/2) Chair Toshiaki Mizobuchi	Parallel Session 1c Prestressing Chair Tor Ole Olsen
14:00-14:15	Rice Husk Ash: is it a good substitute for cement in concrete? Giuliana Somma, E Runcio	Structural Assessment of Prestressed Bridge Half-Joint Zones Using Global Safety Format and Continuous Monitoring Dario La Mazza, Gianni Croce, Paola Darò, Lavinia Coraci, Giuseppe Mancini	Prefabricated shallow floors : history, present and future Jan Bujnak, Simo Peltonen	A novel technique using EBR Side Extended (EBRSE) to delay FRP laminate debonding in strengthened concrete structures Mehdi Aghabagloo, Laura Carreras, Cristina Barris, Alba Codina, Marta Baena	Training and Integrating a Machine-Learning-Based Shell Element in Reinforced Concrete Simulations Vera Balmer, Michael Anton Kraus, Stelian Coros, Walter Kaufmann	Data-based bridge maintenance Transforming bridge inspections to performance monitoring Hitoshi Ito, Toshiaki Mizobuchi	Bond behavior of prestressing strands with large strand diameters in pretensioned concrete Dominik Wrona, Annkathrin Sinning, Martin Claßen
14:15-14:30	New cements: a look at the future of the construction sector for an ecological transition Edoardo Runcio, Giuliana Somma	Comparison of approaches for determining global safety factors in NLNA of RC members failing in shear Diego Gino	Shear resistance of prestressed hollow core slabs in shallow floors Matti Pajari	Automated Robotic Deposition of Material-Appropriate Reinforcement Structures Inspired by Peltate Leaf Fibers Yue Zheng Wen, Annabell Rjosk, Danny Friese, Florian Schmidt, Johannes Mersch, Christoph Neinhuis, Thea Lautenschläger, Chokri Cherif	The effect of loading and support condition on the shear resistance of reinforced concrete beams with low shear reinforcement ratio Yasar Hanifi Gedik, Nima Kian, Nguyen Duc Tung	Rupture of external prestressing tendons injected with cement grout. New monitoring method from the measure of their deformations Nicolas Bessoule, Christophe Carde, Bernard Tonnoir, Michel Virlogeux, Ivica Zivanovic	Experimental evaluation of the prestressing force transmission length in the beam constructed from lightweight aggregate concrete, pretensioned with steel prestressing strand of 15.7 mm diameter Łukasz Ślaga, Andrzej Seruga
14:30-14:45	Finding carbon and cost efficiencies in the design of RC slabs made from high early strength concrete Daniel Snodgrass, David Ruggiero	Investigating the calibration potential of load partial factors in the fib Model Code Ramon Hingorani, Jochen Köhler, Miroslav Sykora	Behaviour of shallow floors in fire situation Mikko Malaska, Salla-Mari West	Crack analysis in an in-situ micro-tomography tension test of a carbon-reinforced specimen Frank Liebold, Tobias Neef, Bindusara Nagathihalli Lokesh, Tobias Fritsch, Giovanni Bruno, Viktor Mechtcherine, Hans-Gerd Maas	Numerical modelling of out-of-plane buckling of reinforced concrete walls under monotonic loading Nathan Deleschaux, David Ruggiero	Case study for massive monitoring data analysis on concrete port infrastructures Pierre Leflour, Jorge Semiao, Patrick Lézin, Mahdi KHADRA, François-Baptiste Cartiaux	Experimental evaluation of the steel prestressing strand development length in the beam constructed from lightweight aggregate concrete Łukasz Ślaga, Andrzej Seruga, Marcin Midro
14:45-15:00	Sustainable reinforced concrete slab design: Integrating 3D topology optimization and environmental impact reduction Ahmad Majdoub, David Ruggiero	Understanding existing barriers to consistent decision making on reuse Peter Tanner, Carlos Lara, David Sanz	Steel-concrete shear connection in composite structures: a key structural component for shallow floors Jean-François Demonceau, Oliver Beckmann, Simo Peltonen	Modeling dowel action in carbon reinforced concrete with CFRP grids Eduarda Dilkin, Sven Bosbach, Martin Classen	Unified Finite Element Limit Analysis for reinforced concrete Peter Noe Poulsen, John Forbes Olesen	New concept for sensor-based bridge inspections Alois Vorwagner, Vazul Boros, Maciej Kwapisz, Lienhart Werner, Dominik Prammer	Internal forces in the anchorage zone reinforcement – analytical models vs measurements Hugo Raymond, Sylwia Schoenowitz-Zuradzka, Piotr Gwozdziwicz
15:00-15:15	Sustainability-centred decision-making for interventions on existing concrete bridges Brian Brongers, Agnieszka Bigaj-van Vliet	Probabilistic Assessment of Cooling Towers Under Carbonation-Induced Corrosion Using a Categorical Boosting Machine Learning Model Lengangi Simwanda, Miroslav Sykora	Extending the Lifespan of Building Structures and Reducing its Environmental Impact Ronald Klein-Holte	Influence of transversal rovings' spacing on the bond behaviour of chemically-prestressed carbon-textile reinforced concrete plates Mohammed Dhahir	Analysis and simulation with a CFD tool of self-compacting concrete with crushed wind turbine blade Manuel Hernando-Revenga, Victor Revilla-Cuesta, Javier Manso-Morato, Flora Faleschini, José T. San-José, Vanesa Ortega-López	Evaluation of damage in concrete bridges through non-modal dynamic parameters Abdou Dia, Tuyen Viet Nguyen, Nisrine Makhoul	Finite element modelling of post-tensioned beams with grout injection defects Marialorenza Vescovi, Daniele Ferretti, Beatrice Belletti

15:15-15:45	Coffee break & Exhibition (Gould Space)						
15:45-17:00	Parallel Session 2						
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room	Gould 2 Room
	SPECIAL SESSION 26 (2/3) Climate-friendly Transition of the Concrete Construction Industry: Challenges and Possibilities Chairs Norbert Randl & Giuliana Somma	SPECIAL SESSION 23 Performance-based approach to the durability of concrete structures: Main results of the French PerfDub project Chairs Gilles Escadeillas, François Cussigh & Bruno Godart	SPECIAL SESSION 8 (1/2) Material components and manufacturing techniques for non-metallic reinforced concrete Chair Rostislav Chudoba	SPECIAL SESSION 11 Robustness assessment of structures and infrastructures Chairs Beatrice Belletti, Simone Ravasini, Robby Caspeepe & Fulvio Parisi	Session Young Members Group (1/2)	Parallel Session 2a Probabilistic analysis - Chair Avraham Dancygier	Parallel Session 2b GFRP Chair Giovanni Plizzari
15:45-16:00	Durability aspects in the evaluation of carbon footprint in low-rise and high-rise buildings Alessandro P. Fantilli, Zahra Rajabi, Fabrizio Demaria, Fulvio Canonico	Context and introduction of the PERFDUB project, François Cussigh, Gilles Escadeillas, Didier Brazillier	Biaxial tensile tests on carbon-reinforced concrete Jonathan Schmidt, Maximilian Weiß, Iurie Curosu, Birgit Beckmann, Steffen Marx, Manfred Curbach	Reliability evaluation of the robustness of reinforced concrete frames considering different failure scenarios Elena Miceli, Diego Gino, Paolo Castaldo		Probabilistic analysis of corrosion-induced cover delamination in reinforced concrete structures Andreas Dekeyser, Els Verstrynge, Roman Wan-Wendner, Wouter Botte, Robby Caspeepe	Detailed evaluation of GFRP mesh mechanical properties for better structural integrity Elhem Ghorbel, Gláucia Dalfré, Amanda Mazzú
16:00-16:15	Sustainable recycling of non-hazardous construction and demolition waste in self-compacting concrete for construction Haruna Ibrahim, Elhem Ghorbel, Zahid Alfi Mohammad, Obaidurrahman SAFI, George Wardeh	Evaluation of concrete performance: from improving existing durability tests to the definition of new protocols Emmanuel Rozière, Philippe Turcry, Franck Cassagnabere, Philippe Fonollosa	Combined impregnation and straightening of woven basalt textile reinforcement for cement composites: flexural behaviour Gilles Vandereecken, Tine Tysmans	Nonlinear Response and Structural Robustness of RC Framed Buildings to Differential Soil Settlements Federica Rauseo, Fulvio Parisi		A Modified Model to Quantify Cracking Localization in Beams Yuri Karinski, Avraham Dancygier	Mechanical and environmental behaviour of concrete beams with hybrid GFRP and steel reinforcement José J. Ortega, Lucía Garijo, Adriano Reggia, Giovanni Plizzari
16:15-16:30	A framework for the preliminary design of structures and structural interventions taking into account the environmental performance Edoardo Rossi, Giorgio Mattarollo, Tamás Mészöly, Norbert Randl	Analysis of data obtained on existing structures during the PerfDub project Bruno Godart, Michael Dierkens	A Novel Manufacturing Process for Precise Honeycomb Shaping of Extruded Carbon-Reinforced Concrete Elements Christian Bertram, Jakob Beckers, Olivier Reinertz, Cynthia Morales Cruz, Thomas Matschel, Katharina Schmitz	Numerical study on settlement-induced damage to RC frames: the effect of foundations and ground stiffness Belletti Beatrice, Elena Michlini, Slawomir Dudziak, Mauro Pappalardo, Simone Ravasini		Examining Bridge Pile Damage Probability in Liquefiable and Non-liquefiable Ground Golshid Shid, Ali Noorzad	Investigations on the Bending Behavior of High Performance Aerogel Concrete with GFRP Reinforcement Torsten Welsch, Martina Schnellenbach-Held
16:30-16:45	Comparative study on tensile behavior of textile reinforced concrete with short steel and basalt fibres Giorgio Mattarollo, Daniel Gergov, Norbert Randl, Tamás Mészöly, Edoardo Rossi	PerfDub project - Data Base on concretes and its exploitation Jonathan Mai-Nhu, François Cussigh, Philippe Turcry, Emmanuel Roziere, Michael Dierkens, Gabriel Pham, François Toutlemonde, Patrick Rougeau	Material-Minimised Carbon Reinforced Concrete for Multi-dimensional Tessellations in Building Applications Linda Debora Cortes Satizabal, Sascha Stüttgen, Meike Weiß, Kira Heins, Alice C. Niemeyer, Daniel Robertz, Thomas Gries	The influence of nonlinear modeling on robustness quantification: a case study of bridges Matteo Colombo, Paolo Martinelli, Pedro Jose Verbel Arroyo		Dynamic Simulation of Concrete Structures Using an Extended RBSM Considering Large Rotation and Fragment Collision Kimura Kanto, Yamamoto Yoshihito	Mechanical and microstructural characterization of straight and bent thermoplastic GFRP reinforcing bars Maha Fodda, Sylvain Chataigner, Ludwig Battais, Benjamin Terrade, Marc Quiertant, Arnaud Rolland, Karim Benzarti
16:45-17:00	Life Cycle Assessment and Structural Design of Low Carbon Concrete Beams Containing High Percentages of Recycled Materials Buddhi Daraniyagala Arachchilage, Tsz Yeung Tsang, Liam Butler	PerfDub project – Definition of performance thresholds according to exposure classes and methodology Myriam Carcasses	Flexibility and Precision: Manufacturing concept for folded tessellated lightweight carbon-reinforced concrete slabs Carlos G Gomes, Christian Bertram, Olivier Reinertz, Katharina Schmitz, Rostislav Chudoba	Robustness Assessment of an Existing RC Frame Building Subjected to Differential Settlements using NLFEA Elena Michelini, Slawomir Dudziak, Beatrice Belletti, Simone Ravasini			Investigation of the bond behaviour of non-metallic reinforcing bars in low-clinker concretes Paul Heber, Oliver Sikorski, Amer Suliman, Paul-Martin Großkopff, Birgit Beckmann, Steffen Marx

17:00-18:15	Parallel Session 3						
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room	Gould 2 Room
	SPECIAL SESSION 26 (3/3) Climate-friendly Transition of the Concrete Construction Industry: Challenges and Possibilities Chairs Norbert Randl & Giuliana Somma	SPECIAL SESSION 12 On-going durability and corrosion studies on the specimens from the PN PERFDUB project Chair Véronique Bouteiller	SPECIAL SESSION 8 (2/2) Material components and manufacturing techniques for non-metallic reinforced concrete Chair Mohammed Dhahir	SPECIAL SESSION 13 Advanced monitoring techniques for concrete structures Chairs Numa Bertola & Alfred Strauss	Session Young Members Group (1/2)	Parallel Session 3a Structural design (1/4) Chair Hugo Corres	Parallel Session 3b Innovative materials Chair Gyorgy Balazs
17:00-17:15	Experimental investigations to identify challenges in design of prefabricated concrete structures for disassembly and reuse Ramon Hingorani, Tore Myrland Jensen, Petra Rüther, Vegard Alme Ulstein	On-going durability and corrosion studies on the metric specimens cast as part of the PN PerFDuB and exposed to natural ageing sites François Cussigh , Véronique Bouteiller , Jonathan Mai-Nhu, Philippe Turcry, Elisabeth Marie-Victoire	Tensile tests of recycled carbon fibers for carbon-reinforced concrete applications Enrico Baumgärtel, Md Sazzadur Rahman, Marcel Zeisberg, Jens Bachmann, Philipp Karsten Niebel, Birgit Beckmann, Steffen Marx	Distributed Humidity Sensing for concrete structures Johannes Wimmer, Stefan Küttenbaum, Thomas Braml		Holistic Sustainability Analysis of Wrapped Textile-Reinforced Concrete Using the Example of a Pump Sump Fabian Kufner, Yannick Göttler, Petra Rucker-Gramm, Michael Horstmann	Investigation of electric curing effect of potassium activated fly ash and slag based geopolymers mortars Mazem Yilmaz, Mücteba Uysal
17:15-17:30	A framework for quantifying the benefits of robot-assisted deconstruction and reuse of structural concrete components Ramon Hingorani, Katarzyna Ostapska, Klodian Gradeci, Petra Rüther	Durability performance of several concrete compositions including low carbon footprint concretes Jonathan Mai-Nhu, Philippe Turcry, Véronique Bouteiller, Elisabeth Marie-Victoire, Pauline Barthelemy, Myriam Bouichou, François Cussigh	Low carbon footprint textiles for concrete reinforcement Alva Peled, Adan Wattad, Rotem Haik	Concrete bridge monitoring through spatially distributed fibre optic sensing Numa Bertola, Francesco Fabbriatore		Experimental study on anchorage performance of a new fastening system for wood-frame façade connected to a concrete structure Alice Le Berder, Hugues Somja, Tuan-Anh Nguyen, Van Han Tran, Clémence Nicollet	Limits and impacts of non-hazardous building demolition waste on mortar microstructure and mechanical properties Annelise Cousture, Haruna Ibrahim, Obaidurrahman Safi, Elhem Ghorbel
17:30-17:45	A Performance-based Framework for Selecting Sustainable Concrete Solutions in Chloride-Exposed Environments Fabrizio Moro, Sylvia Kessler	3-year exposition of PerFDuB specimens on a tidal zone: comparison between model predictions and experimental results Philippe Turcry, François Cussigh, Véronique Bouteiller, Elisabeth Marie-Victoire, Myriam Bouichou, Jean Ducasse-Lapeyrousse, Jonathan Mai-Nhu, Sandrine Chanut, Amandine Bonnet, Victor Da-Silva	Interphases with layered organic/inorganic structures for increased toughness of carbon fiber reinforced concrete composites Toni Utech, Tobias Neef, Lissy Flechsig, Viktor Mechtcherine, Christina Scheffler,	Deep learning model for automated damage detection of concrete bridges Ali Siddique, Vittorio Prodomo, Alfredo Valerij Laino, Antonio Bilotta		Crack Development in Looped Wire Rope Connections Torkil Veyhe, Søren G. Hansen, Henrik B. Jørgensen	Evaluating model errors using EC2 to design alkali-activated reinforced concrete beams Daniele Ferretti, Erica Lenticchia, Marialorenza Vescovi
17:45-18:00	Carbonation Resistance of Low-Carbon Concrete Incorporating Limestone Filler and Ultrafine Cementitious Materials Mouna Boumaaza, Thomas Holder, François Cussigh, Lionel Linger	3-years results on the corrosion of PerFDuB specimens exposed to chlorides on natural ageing site Elisabeth Marie-Victoire, Myriam Bouichou, Jean Ducasse-Lapeyrousse, Véronique Bouteiller, Amandine Bonnet, Victor Da-Silva, Philippe Turcry, Jonathan Mai-Nhu, Pauline Barthelemy, François Cussigh, Sandrine Chanut	Electrochemical recovery of carbon fibres by acetic acid under mild conditions Stefan Röher, Julius Scheel, Alexandra Apel, Marco Liebscher, Inez Weidinger	Analyses of a structural health monitoring system on bridges through AI approaches Antonio Bilotta, Ivan Di Cristinzi, Andrea Pollastro, Maria Rosaria Pecce		Development of Reinforcement Structure in RC Segment Joints for Shield Tunnels under High Axial Force Conditions Akinori Sato, Takahisa Fukushima, Yuma Okuyama, Nishiyama Yoshiki, Kaoru Matsuoka, Ryouichi Shimizu, Kazuhiro Kobayashi	Carbonated water and MgO for improved performance of 3D concrete printing Pathmanathan Rajeev, Kirushnapillai Kopitha, Jay Sanjayan
18:00-18:15	Design and construction of FRC tunnel precast segment with fibre enabled carbon footprint reduction Benoit De Rivaz	3-year results on the corrosion of PerFDuB specimens exposed to carbonation on natural ageing sites Véronique Bouteiller, Amandine Bonnet, Victor Da-Silva, Elisabeth Marie-Victoire, Myriam Bouichou, Jean Ducasse-Lapeyrousse, Philippe Turcry, Jonathan Mai-Nhu, François Cussigh, Sandrine Chanut	Impact of clay mineralogy on the rheological behavior of carbon reinforced concrete with sustainable binders Silvia Reißig, Michael Wenzel, Selina Vaculik, Tobias Neef, Cynthia Moralez-Cruz, Antonia Etscher, Thomas Matschei, Viktor Mechtcherine	Sustainable and Resilient Infrastructure Vulnerabilities Considering Climate Change Nisrine Makhoul		Form-Finding Techniques for a Shell Reading Pavilion Carolina J. T. P. Regly, Nicolas J. Vianna, Samira F. Mistro, Vanessa O.V. Zaccarias, Felipe C. Melachos, Thomaz Buttignol (video)	Future reinforcement for concrete Balazs Gyorgy
18:15-20:00	Presentation of the proposals of the YMG (Amphitheater Antipolis) then cocktail for the Young Members Group (Méditerranée Space)						

TUESDAY 17 JUNE 2025

8:00-8:30	Registration desk & Coffee (Méditerranée Space)					
	Amphitheater Antipolis					
8:30-9:30	Keynotes - Chair Carmen Andrade					
8:30-9:00	Keynote 3 - Patrick Rougeau & Véronique Bouteiller: Performance-based approach, durability of low carbon concrete and corrosion: contributions of the French national project PERFDUB and the DECADES and DECISION scientific groups					
9:00-9:30	Keynote 4 - Stephan Schumacher & Thierry Lassabatère: Concrete for Cigéo: How to design the civil engineering for long-term geological disposal of radioactive waste?					
9:30-10:00	Coffee break & Exhibition (Gould Space)					
10:00-11:15	Parallel Session 4					
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room
	SPECIAL SESSION 6 (1/2) Physical based modelling of assessment of existing concrete infrastructure Chairs Yuguang Yang & Mihailov Boyan	SPECIAL SESSION 16 (1/2) Prefabricated Concrete Modular Buildings Chairs Eduardo Júlio & André Furtado	SPECIAL SESSION 10 (1/2) Retrofitting and strengthening of existing structures using non-metallic reinforced concrete Chair Alexander Schumann	SPECIAL SESSION 19 (1/2) Challenges and novel insights into the time-dependent behaviour of concrete Chair Roman Wan-Wendner	Parallel Session 4a Low carbon concretes Chair Laury Barnes	Parallel Session 4b Construction methods and management (1/2) Chair Johann Kolleger
10:00-10:15	Experimental study on the shear capacity of reinforced concrete slabs with skewness Jiandong Lu, Eva Lantsoght, Yuguang Yang, Max Hendriks	Prefabricated Concrete Modular Buildings: a renewed idea to cope with current housing challenges André Furtado, Eduardo Júlio	Strengthening of Reinforced Concrete Columns Using Recycled Polyethylene Terephthalate Fibers: A Preliminary Numerical Study Korhan Deniz Dalgic, Uveys Gozun, Birkan Simsek, Medine Ispir, Alper Ilki	Creep of concrete structures: what have we learned since Freyssinet and the Veurdre bridge and what do we need to improve in the future? Jean Michel Torrenti	Development of C25 Low Carbon Concrete: Mechanical and Durability Behaviors Suliman Khan, Safat Al-Deen, Chi King Lee	Cyclic testing of precast column-to-foundation joints equipped with a novel ductile mechanical connection system Bruno Dal Lago, Enes Krasniqi, Marko Bartolac, Milot Muhaxheri, Enrico Anselmo Papa, Paola Costa
10:15-10:30	Shear Assessment of Precast composite girders using FprEN 1992-1 based shear expressions Mohammed Ibrahim, Marco Roosen, Max Hendriks, Yuguang Yang	Lean-clinker mortars with recycled cement towards the production of low-carbon concrete for modular construction Martin Nabais, José Alexandre Bogas, Ricardo Carmo, Hugo Costa, Ângela Oliveira	Crack Formation Behavior of Carbon-Reinforced Concrete for State II Sealing Layers Fabian Kufner, Michael Horstmann, Petra Rucker-Gramm, Jörg Reymendt, Jens Heckenbach, Rolf Scharmann	Analysis of drying shrinkage and creep using a re-imbibition phase of concrete Robin Cartier, Hugo Cagnon, Thierry Vidal, Jerome Verdier	Low carbon sprayed concrete based on high filler content Yvan Thiebaut, Massimo Stefanoni, Matthieu Jousset, Paul-Alexandre Franco, Davide Michelis, Justin Denizeaux, Lionel Linger, Carlo Pistolesi, Enrico Dal Negro	LT Bridge – Addressing Modern Demands in Bridge Engineering Franz Untermaizoner, Johann Kolleger, Patrick Huber
10:30-10:45	Assessment of Residual Shear Capacity of Deep Beams based Solely on Site Measurements Boyan Mihaylov, Eissa Fathalla, Alexandru Trandafir	Combined structural-energy optimization of precast concrete walls for modular buildings Seyedsajjad Hosseini, Aléxia Brandão, André Furtado, Romain Sousa, Ricardo Carmo, Mariana Nunes, Pedro Rio, Eduardo Júlio	Strengthening of Historical Low-Strength Concrete Structures with Carbon-Reinforced Concrete – Large Component Tests Elisabeth Schütze, Alexander Schumann, Farhat Lamisa	Concrete creep prediction – Cyclic hygric and mechanical exposures cannot be neglected Michael Haist, Anna Lena Podhajecky	Evolution of permeability of Low Carbon Ternary Blended Cements – a 180 day study Berjees Qadr, Nicolas Gay, Georges AOUAD, Matthieu Briffaut	Innovative Approach for Submerged Floating Road Tubes Silvino Pompeu-Santos
10:45-11:00	Behaviour of existing post-tensioned concrete bridge girders with bonded curved tendons Alexandru Trandafir, Dan Dragan, Rik Steensels, Hervé Degée, Boyan Mihaylov	Performance Analysis of Dry Connections in Precast Walls Under Cyclic Tension Loading Ricardo Martins, Ricardo Carmo, Hugo Costa, André Furtado, Romain Sousa, Eduardo Júlio	Concrete structures strengthened with carbon-reinforced concrete under service loads David Sandmann, Carolin Würgau, Steffen Marx	Autogenous Shrinkage Model for Concrete Considering the Combined Effects of Mineral Admixtures, Huan-Chi Ma, Yue Geng, Giovanni Di Luzio, Yu-Yin Wang	Mechanical and structural behavior of low-carbon concrete based on a clinker-free binder containing metakaolin Tom Rigaud, Zakaria Djamai, Gabriel Samson, Raphaël Bucher, Christian CREMONA, Martin CYR	Technical management of horizontal reaction force adjustment work and section force improvement by jacking down method in PC multi-span continuous rigid frame bridge - Construction Of Kinosaki Ohashi Bridge- Toshiaki Fujiwara, Takashi Okubo, Hayami Yanagida, Noritake Hirata, Tomohiro Shibuya, Takahiro Inagaki
11:00-11:15		Seismic behaviour of a 6-storey precast concrete modular building: Performance assessment and parametric study André Furtado, Romain Sousa, Ricardo Carmo, Eduardo Júlio	Synergy between silica fume and crystalline admixtures on the self-healing capacity of Textile-Reinforced Mortars Niki Trochoutsou, Liberato Ferrara	Refined analysis of reinforced concrete structures subjected to external loads and imposed deformations Alejandro Perez Caldentey	Mechanical behaviour and deformations of low-carbon concretes with limestone, bast furnace slag or metakaolin Suzanne LE THIERRY, Thomas Duval, François Jacquemot	Development of Replacement Technology for UFC Flat Decks and HSPJ Decks and Its Application to the Kobe Route Renewal Project Hajime Aoi, Sota Sasawaki, Tomoaki Hasegawa and Yasuyuki Iwa-sato

11:15-12:30	Parallel Session 5					
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Gould 2 Room
	SPECIAL SESSION 6 (2/2) Physical based modelling of assessment of existing concrete infrastructure Chairs Yuguang Yang & Mihailov Boyan	SPECIAL SESSION 16 (2/2) Prefabricated Concrete Modular Buildings Chairs Eduardo Júlio & André Furtado	SPECIAL SESSION 10 (2/2) Retrofitting and strengthening of existing structures using non-metallic reinforced concrete Chair David Sandmann	SPECIAL SESSION 19 (2/2) Challenges and novel insights into the time-dependent behaviour of concrete Chair Thierry Vidal	Parallel Session 5a Structural design (2/4) Chair Enrico Baumgartel	Parallel Session 5b Recycling (1/2) Chair Elhem Ghorbel
11:15-11:30	Numerical modelling of RC dapped-end beams with different reinforcement layouts Giovanni Menichini, Maurizio Orlando, Anssi Laaksonen	Fire behaviour of modular reinforced concrete buildings – numerical simulation of the thermomechanical response Eloísa Castilho, João Pedro Firmo	Standardising Bond Characterisation Method for Carbon-Reinforced Concrete in Strengthening Applications: Interlaboratory lap-splice tensile tests Duy Minh Phuong Vo, Nazmul Hasan, Elisabeth Schütze, Alexander Schumann, Miriam Melzer, Jan Philip Schulze-Ardey, Jan Bielak, Fabian Thems, Cynthia Morales Cruz, Vitalii Kryzhanovskiy, Christopher Taube	Temperature impact on the mechanical properties of high-strength concrete Shamseldin Abdo, Quoc Tri Phung, Robby Caspeele, Suresh Seetharam, Roman Wan-Wendner	Generative design of reinforced concrete structures incorporating constructability aspects Karin L. Yu, Eleni Chatzi, Walter Kaufmann	Recycled sand for 3D-printed Strain Hardening Cementitious Composite: A Review of Recent Developments Laura Sofia Gomez Jaramillo, Mladena Lukovic, Branko Savija, Wen Zhou
11:30-11:45	Using acoustic emission monitoring to assess the reliability of existing concrete structures: a case study Fengqiao Zhang	Structural assessment of bolted connections under shear cyclic loading developed for precast concrete walls Ricardo Martins, Ricardo Carmo, Hugo Costa, André Furtado, Romain Sousa, Eduardo Júlio	Seismic behaviour at Ultimate Limit State of RC structures retrofitted with GFRP rebars Mattia Mairone, Raffaele Tarantini, Giuseppe Andrea Ferro, Davide Masera	Experimental study on the compressive sustained load strength of concrete with high age at loading Jonas Geng, Robin Mecka, Freek Bos, Oliver Fischer	Numerical application of a novel method to determine composite action proving load-dependent behaviour of the interface Jules Smits, Stijn François, Ann Van Gysel, Tom Molkens	Bond behavior of recycled aggregate concrete with steel rebars Annkathrin Sinning, Dominik Wrona, Josef Hegger, Martin Classen
11:45-12:00	Reconstructing As-Built CAD Drawings for Existing Buildings from Laser Scanning Data Fengyu Zhang, Qingzhao Kong, Cheng Yuan, Peizhen Li	Experimental characterization of the monotonic and cyclic behaviour of a new dry-horizontal joint between precast walls Aléxia Brandão, Sajjad Hosseini, André Furtado, Ricardo Carmo, Romain Sousa, Yllnor Tmava, Wanchai Detphan, Wit Derkowski, Eduardo Júlio	Mechanical characterization tests and numerical simulations for evaluating the effectiveness of fiber-reinforced cementitious mortar as shear strengthening of masonry walls Carlo Vienni, Maurizio Orlando, Luca Salvatori	Compressive strength development of concretes with volcanic ash exposed to realistic temperature conditions Anja Klausen, Antonia Menga, Terje Kanstad	Setting of arbitrary combinations of constant bending moments and constant shear forces in reinforced concrete beams Thilo Schmidt, Clara Walsemann, Andrej Albert, Peter Mark	Optimum contents of waste materials from wind farm decommissioning for incorporation into concrete mixes Nerea Hurtado-Alonso, Marta Skaf, Ana Belén Espinosa González, Roberto Serrano-López, Chaimae Mourou, Juan M. Manso
12:00-12:15	Experimental investigation of the fatigue behaviour of reinforced concrete dapped-end connections Sameera Hippola, Boyan Mihaylov	Computer Vision System for Dimension Control in the Prefabrication of Concrete Panels Paul Debus, Jónatas Valença	Highly resilient externally strengthened blasted concrete beams through improved self-centering Cesare Signorini, Franz Bracklow, Eric Jacques, Chris Jackson, Petr Maca, Birgit Beckmann, Viktor Mechtcherine	Time dependent modelling of concrete for the simulation of 3D printing Libor Jendele, Jiri Rymes, Jan Cervenka, Michaela Herzfeldt	Introducing a novel experimental setup for assessing the progressive collapse resistance of structures Andri Setiawan, Diego Cetina, Maria L. Gerbaudo, Lorenzo Marin, Manuel Buitrago, Nirvan Makoond, Jose M. Adam	Experimental Investigation of Aggregate Replacement Ratios in Concrete with Recycled Concrete Aggregates Cecilie Kristensen, Linh Cao Hoang, Jesper Harrild Sørensen, Gregor Fischer, Lars Zenke Pørlov Hansen
12:15-12:30		BIM Library Plugin for Circular Economy: Leveraging Digital Product Passports for Sustainable Design João Palma, António Aguiar Costa	Behavior of RC Beams Strengthened with CFRP Sheets Exposed to Low Temperature Inyong Lee, Jongkwon Choi	Homogenization Methods for Characterizing the Viscoelastic Behavior of Concrete in Service and Deconstruction Phases Francois Soleilhet, Maxime Ressler, Julien Sanahuja	Partial collapse tests of a precast concrete building specimen Andri Setiawan, Nirvan Makoond, Manuel Buitrago, Jose M. Adam	
12:30-14:00	Lunch & Exhibition (Gould Space)					
13:00-14:15	Posters Session (Gould Space)					
Application of Digital Twins and IoT for investigating damage caused to buildings under dynamic influences Kaliukh Iurii, Slysusarenko Yuriy, Marienkov Mykola, Siedin Volodymyr, Tytarenko Volodymyr, Kovba Vladyslav, Kosheleva Nina, Kurash Sergii, Yakovenko Ihor, Usenko Mykola, Zhemelsky Ilya, Vasyi Kliuiev, Berchun Yaroslav				Monitoring drying in cement paste and concrete: Application of a novel ultrasound based method Eva Jäggle, Jithender J. Timothy, Christoph Gehlen		
Climate change induced carbonation and corrosion of EU building stock: recent findings Dimova Silvia, Polo Lopez Cristina Silvia, Sousa Maria Luisa, Rianna Guido, Bastidas-Arteaga Emilio, Nogal Maria, Gervasio Helena, Martorana Emilio, Reder Alfredo, Athanasopoulou Adamantia				Numerical simulation of stud pullout in concrete using a regularized damage model Matthieu Le Noir de Carlan, Ludovic Jason, Luc Davenne		
Concrete-reinforcement bond tests in high-performance self-consolidating concrete Dyba Marcin				Optimising robotic production of interlocking dry joints for the connection of reused concrete members Ben Stöhr, Marius Hägle, Alexander Stark		
Estimation of Lateral Displacement Induced by High-Rise Building Horizontal Loads Using Timoshenko Beam Theory Alnaser Ahmad, Issa Mohamad				Review of testing, assessment, and design methods on post-installed bonded fasteners into masonry under seismic action Doruk Gurkut, Giovanni Muciaccia		
Evaluation of The Corrosion on Capacity of Prestressed Concrete Girder Nossoni Goli, Maharjan Saraj				Software-Based Optimization of Reinforced Concrete Floor Structures Using Environmentally Friendly Materials Anna Horáková, Iva Broukalová, Alena Kohoutkova		
Investigation of Mechanical Properties of Ceramic Waste Powder Based Low Molarity Geopolymer Composites Aslı Palat, Yunus Emre Avcı, Mücteba Uysal				The metro station modification into a multi-storey shopping center using Digital Twins and Internet of Things Volodymyr Tytarenko, Iurii Kaliukh		
Mechanical and durability properties of functionally graded crumb rubber concrete Mohammed A. Mujalli, Samir Dirar, Marios Theofanous, Abdelazim Mustafa Mohamed				Trials on fibre reinforced concrete for hydraulic structures Nicolas Bagneux, Marie Allain, Germain AURAY, Domitile Sébastien, Bastien Dupuis, Papazian Mickael, Sauvaget Cyrille		
Mechanical Performance of Sustainable Concrete with Recycled PET and Tire Rubber Valeria Franco-Quiróñez, Natividad García-Trancoso, David Valverde-Burneo, Ignacio Segura						

16:00-17:15	Parallel Session 7					
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room
	Parallel Session 7d Structural design (3/4) Chair Konrad Bergmeister	SPECIAL SESSION 24 Extending the life of concrete structures via intelligent digital twin technology Chairs Chongjie Kang & Steffen Marx	SPECIAL SESSION 21 (2/2) 3D printing of concrete and concrete structures Chairs Yong Yuan & Yaxin Tao	Parallel Session 7a Assessment (1/2) Chair Akio Kasuga	Parallel Session 7b UHPFRC (2/2) Chair Liberato Ferrara	Parallel Session 7c Creep and shrinkage Chair Alejandro Perez-Caldentey
16:00-16:15	Directive reuse precast concrete elements Rob Vergoossen, Danny Jilissen, Thijs Noordhoek	Bridge Database for Digitalization Sylvia Keßler	Experimental Study on Time-Dependent Pumping Behaviour of 3D Concrete Printing Pathmanathan Rajeev, Nilusha Nissanka, Jay Sanjayan	Structural assessment of the Albert-Loupe Bridge: temperature effects on the global behaviour Sellin Jean-philippe, David Tronchet, Antoine Theodore	Fiber alignment in hybrid fiber reinforced self-compacting UHPFRC Thomaida Polydorou, Demetris Demetriou, Prodomos Pigiotis, Anna Mina, Demetris Nicolaides, Michael F. Petrou	Comparing the design of post-tensioned concrete bridges by EN 1992 and TMH7 by a probabilistic analysis Francois Joubert, Gideon Van Zijl, Nico De Koker, Pierre Van der Spuy
16:15-16:30	Comparison between timber-concrete and steel-concrete composite slabs. Where are we now? Laura Corti, Giovanni Muciaccia	Automated Damage Detection in a Nonlinear Model Updating Approach for Concrete Bridges Martina Schnellenbach-Held, Bjarne Sprenger	Analysis of factors influencing the maximum continuous printing height of 3D printed concrete Zibo Zuo, Yulin Huang, Yaxin Tao, Yong Yuan, Wouter De Corte	In-situ survey of post-tensioned bridges in Slovakia Peter Paulík, Jakub Gašpárek	UHPFRC slabs for retrofitting half-joints bridges Matteo Colombo, Greta Cornaggia, Giulio Zani, Marco Di Prisco	Propagation of creep and shrinkage model uncertainties in predicting multi-decade behaviour of box girder bridges Arthur Slobbe, Gijs Eumelen, Bart Van den Broek, Jasper Doorgeest
16:30-16:45	The influence of nodal region detailing on the quasi-static and dynamic response of frame structures Andrea Monserrat-López, Duarte M. Viula Faria, Fabio Brantschen, Alejandro Nogales Arroyo, Miguel Fernández Ruiz	Characterisation and benefits of digital sensors for Structural Health Monitoring of the Nibelungen Bridge Worms Ralf Herrmann, Eshwar Kumar Ramasetti, Poojitha Ponnam, Sebastian Degener	Assessment of Post-Tension Capacity in Novel 3D-Printed Topology-Optimized Formwork via Load Transfer Testing Mahsa Sakha, Saim Raza, Xiaomeng Wang, Haifeng Fan, Niels Pichler, Moslem Shahverdi	In situ and laboratory testing of fiber-reinforced cementitious mortars for cortical restoration of viaduct piles Carlo Vienni, Luca Salvatori, Maurizio Orlando, Salvatore Giacomo Morano	Time-dependent behaviour of PS-UHPC balanced cantilever box girder with a central hinge A S Dwivedi, M. N. Shariff	Nonlinear finite element analysis of the mechanical behavior of asphalt considering viscoelastic characteristics Wooyeon Kim, Hyo Eun Joo, Yuya Takahashi, Maeshima Takuya
16:45-17:00	Parametric design study of textile-reinforced concrete sandwich panels with recycled PET foam core Erich Meiners Munoz, Panagiotis Kapsalis, Tine Tysmans	Quantifying the uncertainty of predictive simulations in digital twins through the identification of model bias Daniel Andrés-Arcones, Martin Weiser, Phaedon-Stelios Koutsourelakis, Jörg F. Unger	Characterization of Cold Joint Formation in Digitally Printed Mortar During the Dormant Phase: A Time-Dependent Study M Divya, S.A.H Riza, M. N. Shariff	Evaluation of residual prestress in concrete beam with modified saw-cut method Andrea Nino Consiglio, Gianpaolo Rosati, Giovanni Muciaccia, Dario Coronelli, Gianluca Ascari		Restrained shrinkage induced early-age cracking of blended-cement based concrete with fly ash and slag Castel Arnaud, Sumaiya Afroz, Quang Dieu Nguyen, Taehwan Kim, Htet Lin
17:00-17:15	Experimental investigation of the combined in-plane and out-of-plane shear capacity of reinforced concrete elements without shear reinforcement Jens Skovgaard Larsen, Søren Gustenhoff Hansen, Henrik Brøner Jørgensen	Probabilistic Sensor Fault Detection in Bridge Structural Health Monitoring Jan-Hauke Bartels, Cedric Eisermann, Chongjie Kang, Steffen Marx		Research on tendon's transmission length in old post-tensioned concrete structures Rafał Walczak, Wit Derkowski		Restrained Shrinkage Cracking in FRC Slabs Porsiem Tang, Ali Amin, Ian Gilbert, Walter Kaufmann

WEDNESDAY 18 JUNE 2025

8:00-8:30	Registration desk & Coffee (Méditerranée Space)						
	Amphitheater Antipolis						
8:30-9:30	Keynotes - Chair Agnieszka Bigaj-Van Vliet						
8:30-9:00	Keynote 5 : Beatrice Belletti, Simone Ravasini : Structural capacity assessment of PC members subjected to different corrosion-induced damage scenarios						
9:00-9:30	Keynote 6 : Elisabeth Marie-Victoire : The challenges of diagnosing and restoring historic concrete						
9:30-10:00	Coffee break & Exhibition (Gould Space)						
10:00-11:15	Parallel Session 9						
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room	Gould 2 Room
	SPECIAL SESSION 21 (1/2) Punching Behaviour of Flat Slabs Chair Antonio Ramos	SPECIAL SESSION 22 (1/2) Data-Driven Innovations in Concrete Materials and Structures Chairs Syed Yasir Alam, Sandra Nunes, Moncef Nehdi	Parallel Session 9a Durability and corrosion (2/5) Chair José Matos	Parallel Session 9b Seismic behaviour (1/2) Chair Alper Ilki	Parallel Session 9c Concrete structures (2/2) Chair Yi Zhang	Parallel Session 9d Rehabilitation and modifications (1/2) Chair Heggade	Parallel Session 9e Concrete (1/3) Chair Giovanni di Luzio
10:00-10:15	Properties of the interface between two concrete layers for strengthening flat slabs Katarina Gajdosova, Daniel Ceres	Analysis on empirical knowledge transition on mix proportioning by using machine learning Satoshi Fujimoto, Chiharu Usui	Study on the influence of compactness, and type of additions on the durability of low clinker concrete Marion Vouzelaud, Myriam Carcasses, Franck Cassagnabere, Jonathan Mai-Nhu, Patrick Rougeau	Seismic and Energy Retrofit of Reinforced Concrete Buildings Envelopes: State-of-the-art review Christiana Filippou, Daniel Oliveira, Dionysios Bournas, Paulo B. Lourenco	Design and construction of the iconic Saint-Denis Pleyel station in the Grand Paris Express project Yi Zhang, Christophe Sandré	Stays replacement on the Vasco da Gama Bridge Jean-Michel Odin, Michel Virlogeux, Patrick Ladret, Nicolas Trotin, Rui Monteiro	Can maturity method be applied to low carbon thin concrete elements? Agathe Bourchy, Ibrahim Dahiru, Jean-Michel Torrenti, Gael Le-Bloa
10:15-10:30	Numerical analysis of fire-induced effects on load-carrying capacity of reinforced concrete slab-column connections under unbalanced moments Ricardo Randi, Andreia Fanton, Leandro Trautwein, Luiz Carlos Almeida, António Pinho Ramos	Automated Air Void Parameter Evaluation in Hardened Concrete using Confocal Laser Scanning Microscopy and Deep Learning Viktor Kostic, Viktor Kotsev, Qadeer Khan, Daniel Cremers, Jithender Timothy, Thomas Kränkel, Christoph Gehlen	Low-carbon concretes: natural diffusion and migration in a non-steady-state regime Stéphanie Bonnet, Gayelle Fahed, Anthony Soive	Preliminary Study on the Seismic Behavior of CFRP-Confining Non-Conforming RC Columns with Retained Plaster Layer Ali Gurkan Gencali, Medine Ispir, Alper Ilki	Causeway footbridges : technical challenges deriving from the integration of a two-part duct and integrated LED system onto stay cables and aerodynamic impacts Vincent Maillet, olivier flamand, Nikolaj Pedersen, Matthieu Guesdon	The application of precast panel "Cap Slab" for deck replacement work of PC composite girder briges in Japan Nakada Takafumi, Tominaga Takayuki, Mitamura Kenji, Ikehata Shinya	Modelling and Analysis of Hydration Heat Causing Early Age Cracking in Massive Concrete Structures Simona Potůčková, Milan Holý, Jiří Kolísko
10:30-10:45	Test set-up effect on the punching behavior of slab-column connection: a numerical and theoretical investigation Rafael Díaz, Ricardo Randi, Leandro Trautwein, António Pinho Ramos	Fresh state concrete: augmenting sense data with digital tools Callum White, Janet M. Lees	Diffusive methods for measuring carbonation properties of concrete under natural laboratory conditions Ouidjane Qacami, Bruno Huet, Philippe Turcry, Abdelkarim Ait-Mokhtar, Ravi Patel, Frank Dehn	Impact of Incorporating Parallel Threaded Mechanical Coupler Splices on the Seismic Behavior of Reinforced Concrete Columns Mohamed Nasser, Amine Ben-Dahou, Laurent Michel, Emmanuel Ferrier, Aron Gabor, Rémi Gardes, Richard Boisson, Philippe Huet, Clément Poissonnet, Jean-Marie Dolo	Lost knowledge in construction history - A case study of historical prestressing systems Jakob Vogt, Johannes Reimer, Steffen Marx	Lean duplex stainless steel: a solution to prevent corrosion for reinforced concrete exposed to severe chloride environments Véronique Bouteiller, Sebastien Mignocchi, Eric Chauveau, Thierry Chaussadent, Philippe Mauger, Amandine Bonnet, Victor Da-Silva	Effect of intermittent drying periods on the surface deterioration of blast furnace slag mortars during freeze-thaw de-icing salt attacks Alexander Haynack, Jithender J. Timothy, Thomas Kränkel, Christoph Gehlen
10:45-11:00	Contribution of Drop Panels to Prevent Progressive Collapse of Columns Supported RC Flat Slabs David Yankelevsky, Yuri Karinski, Vladimir Feldgun	Prediction of mortar flow loss time by using machine learning of electrochemical properties Chiharu Usui, Satoshi Fujimoto, Shin Hara	Sustainable concrete repair practices in Switzerland development of a low carbon footprint, self-healing structural mortar Michel Di Tommaso, Marco Basaldella, Paolo Tudori, Paolo Sabatini	Calculation method based on BRB equivalent stiffness and engineering application Xu Yang, Bin Xue, Xiangxiang Ren, Peizhen Li, Wenlu Wen	Investigation of Shear Cracks in Reinforced Concrete Slender Members with Shear Reinforcement Aakriti Khadka, Giorgio T. Proestos	Effect of Chipping into End Regions of Pre-tensioned Prestressed Concrete Girders on Anchorage Behavior of Strands Jinsei Kuwano, Eisuke Nakamura	Green House Gas implications, steel reinforcement corrosion and concrete carbonation Melchers Rob, Igor Chaves
11:00-11:15	Punching behavior of slab-column connections with recycled coarse aggregate concrete António Ramos, Carla Marchão, Rui Marreiros, Manuel Domingues, Tainara Cardos	Labelling Strategy Optimizer: An Optimized and Personalized Labelling Solution Dheeraj Dhruvakumar, Navid Ranjbar, Zahra Rastegar	Report on Chloride-Induced Deterioration of Concrete Structures on the Hanshin Expressway Kyoko Kinoshita, Ichiba Takato, Shinomiya Taku, Aoi Hajime			Retrofitting beams at the roof level of existing RC buildings to prevent their progressive collapse Juan Sebastián Fontalvo, Lisbel Rueda-García, Brais Barros, Manuel Buitrago, Jose M. Adam	Effect of binder composition on chloride diffusivity and binding capacity of cementitious material from Australian bentonite Oluwatosin Babatola, Alastair Macleod, Laurie Aldridge, Frank Collins, Will Gates
11:15-11:30	Influence of column rectangularity on punching shear assessment of sudden column removal scenarios Maria Liapopoulou, Karl Micallef, Juan Sagaseta						

12:30-14:00

14:00-15:15	Parallel Session 11					
	Amphitheater Antipolis	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room
	Parallel Session 11a Sustainability Chair Michael Haist	Parallel Session 11b Elevated temperatures and fire Chair Ananth Ramaswamy	Parallel Session 11c Durability and corrosion (4/5) Chair Franziska Schmidt	Parallel Session 11d Monitoring (2/2) Chair Sylvia Kessler	Parallel Session 11e Fibres (2/3) Chair Marco di Prisco	Parallel Session 11f Concrete (2/2) Chair Matthieu Briffaut
14:00-14:15	Grand Paris Express Line 18 viaduct: an efficient design to reduce carbon emission Alexandros Giannopoulos, Anthony Scaramozzino	Comparison between traditional model and hygro-thermal-chemical model of the ballastless track structure at an early age Mengxuan Ye, Zhiping Zeng, Roman Wan-Wendner	An increase of corrosion rate when concrete is subjected to both chloride contamination and carbonation compared to individual attack Huy Tang Bui, Kang Hai Tan	Monitoring of bridges: a new step is reached by improving the accuracy of instrumented spherical bearings Cyril Gaucherand, Michal Ambor, Charles Cynober	Correlation between the Barcelona test and the three-point bending test in steel fibre reinforced concrete Mustapha Kaoua, Hans Pauwels, Mouna Boumaaza, Benoit De Rivaz, Christophe Justino	Fatigue tests on large-scale prestressed reinforced concrete beams Clara Schramm, Aleksei Shmorgun, Dennis Birkner, Raúl Enrique Beltrán Gutiérrez, Steffen Marx
14:15-14:30	Sustainability assessment of bahareque and reinforced concrete structural systems for social housing Alid Rocha-Tamayo, Natividad García-Troncoso, Irene Josa, Albert de la Fuente	Integrated local bond-slip model of reinforcing bar in fibre-reinforced concrete at ambient and elevated temperatures Christopher Kevinly, Panwei Du, Kang Hai Tan	The challenge in defining a reliable critical chloride threshold for reinforced concrete service life modelling Federica Lollini	A Machine Learning-Driven Framework for Scour Detection in Railway Bridges Using Onboard Sensing Tola Sinem, Joaquim Tinoco, Eugene J. O'Brien, Jose C. Matos	Fibre-Reinforced Concrete (FRC): study of the parameters influencing residual flexural tensile strengths Thomas Duval, Pierre-Yves Hervé, François Jacquemot	Experimental investigations of the frictional behavior of sawn and shot-blasted concrete surface under various pressure and gap openings Robin Mecka
14:30-14:45	Impact of new Eurocode 2 over the structural design and environmental sustainability of precast concrete structures Bruno Dal Lago, Alessio Rimoldi	Lessons from TELT Lyon-Turin Tunnel Fire Tests: High-Strength Concrete under Extreme Loads and Fire Curve Takwa Sayari, Mahmoud Abou Dalle, Marie Angelot, Nicolas Bsaibes, Nicola Mazzon, Lionel Linger, Christophe Tessier	From corrosion assessment to electrochemical re-alkalization of carbonated concrete in a hydroelectric dam : A case-study Chantal Chalhoub, Stéphane Laurens, Elie Sassine, Stéphane Panin, Dubosc Arnaud	Height-dependent microstructure of concrete cover in reinforced wall elements using X-ray computed tomography Milena Kucharska, Piotr Dybel	Reinforcement of Beams with Internally Bonded Carbon Fibre Reinforced Polymer Mehmet Uz, Esra Avci, Yunus Guner, Mustafa Guler	Numerical analysis of load-bearing behavior with brittle material models: examples for steel- and textile-reinforced concrete and masonry Jenny Keßler, Carolin Würgau, Daniel Gebauer, Petr Maca, Birgit Beckmann, Jan Cervenka, Steffen Marx
14:45-15:00	Sustainable Reuseable Hybrid Structural Building System Alireza Fadaei	Residual compressive strength of EPS lightweight concrete under heating–water cooling regime Karim Miled, Leila Maghrebi, Hassen Sabeur	Feasibility study on the in-situ measurement of chloride content using X-ray fluorescence analysis for application in the condition assessment and service life prediction of reinforced concrete structures Elena Lorenz, Beate Villmann, Ulf Roland, Christian Wagner, Björn Höhlig	Advanced Continuous Monitoring of Bridge Bearings and Isolators for Enhanced Maintenance Strategies – Real Case Applications Paola Darò, Monica Longo, Salvatore Ferrara, Dario La Mazza, Sebastiano Cogo, Giuseppe Mancini	Portland cement free steel fibre reinforced concrete for structural tunnel applications Marvin Glissner, Carola Edvardsen	Data-based comparison of former and new Eurocode 2 shear provisions for prestressed members without transverse reinforcement Sam Coppens, Robby Caspeeel, Roman Wan-Wendner
15:00-15:15	Self-regulating “smart” concretes in sustainable construction Vyacheslav Falikman	Micro-indentation investigations in Concrete and Steel exposed to high temperature Guruprasad Y.K., Ananth Ramaswamy	Modelling of reinforcement corrosion propagation under fib WP 8.9.2 Carmen Andrade		Advantages of hybrid FRFC to increase the redundancy of a ribbed slab: an experimental study Tom Molkens, Tobias Barbier, Rutger Vrijdaghs	Finite element-based fatigue assessment of reinforced concrete structures subjected to time-series forces Mohammad Afaghi, Benard Isojeh, Trevor Hrynyk, Anja Klausen, Jan Arve Øverli
15:15-15:45	Coffee break & Exhibition (Gould Space)					

15:45-17:00	Parallel Session 12				
	Ella Fitzgerald Room	Miles Davis Room	Louis Armonstrong Room	Gould 1 Room	Sydney Bechet Room
	Parallel Session 12a CFRP Chair Agnieszka Wiater	Parallel Session 12b Durability and corrosion (5/5) Chair Emmanuel Ferrier	SPECIAL SESSION 14 Carbon Capture and Utilisation by accelerated carbonation of recycled concrete aggregates: results from French Projects Chair Philippe Turcry	Parallel Session 12c Rehabilitation and modifications (2/2) Chair Silvia Ientile	Parallel Session 12d Fibres (3/3) Chair Albert de la Fuente
15:45-16:00	Strut-and-Tie Model Analysis of Prestress Transfer in Concrete Beams with Pre-Tensioned CFRP Strands Maria Serrano Mesa, Sebastian Heberling, Lea Maria Wilmsen, Mike Schlaich	Durability of FRP-to-concrete bonded joints subjected to accelerated aging in laboratory and to field natural aging Emmanuel Ferrier, Arnaud Gagnon, Corentin Le Roy, Jeremy Roth, Christophe Aubagnac, Emilie Lepretre	French projects on the CO2 uptake by carbonation of RCA, Turcry Philippe Torrenti Jean-Michel, Mahieux-Pierre-Yves, Aït-Mokhtar Abdelkarim	Numerical formulation of the generality envelope Alessio Pelagalli, Tom Molken, Laurens Luyten, Lennert Loos	Statistical Analysis to Assess the Factor Kk,max in SFRC Structures Ron Kesse, Yuri Karinski, Avraham Dancygier
16:00-16:15	Structural Performance of CFRP-Reinforced Concrete Beams Using Digital Fabrication Techniques Sven Engel, Eduarda Dilkin, Martin Classen	Durability of textile reinforcement made of hemp fibres impregnated with epoxy resin Sebastian Kuhn, Marcus Ricker, Malte Kaliske, Tânia Feiri	CO2 uptake by a bed of recycled concrete aggregates crossed by a flow of gas with a high concentration of CO2: influence of temperature and initial water content Corvec Gaël, Artoni Riccardo, Turcry Philippe, Richard Patrick, Aït-Mokhtar Abdelkarim	Experimental Study of Effective Desalination Method Using PC T-Girder Specimens Shoji Nojima, Naoki Hagiwara, Kotaro Honda, Takao Ueda	Impact of PVA fiber on the mechanical performance of pervious concrete model material with glass beads skeleton Jie Li, Jun Xia, Luigi Di Sarno, Guobin Gong
16:15-16:30	Behavior of concrete beams prestressed with CFRP reinforcement under flexural load Agnieszka Wiater, Dominika Ziaja, Maciej Kulpa, Juliusz Żach, Paweł Studziński, Tomasz Siwowski	Galecopper Bridge: Securization and replacement of damaged lock-coil cables Matthieu Guesdon, Janwillem Breider, Nicolas Fabry, Jurgen Jochims, Charlotte Murphy, Reno Couwenberg	CO2 uptake by accelerated carbonation of recycled concrete aggregates: quantifying bound CO2 by a defined protocol Pernin Thomas, Cassayre Laurent, Camy Séverine, Jaunkeypersad Kilesh, Kaddah Farah, Corvec Gaël, Jeong Jena, Roziere Emmanuel Turcry Philippe, Artoni Riccardo	Predicting the Tensile Behavior of TRM composites: A Comparative Study of Established Simplified Models Christiana Filippou, Marco Carlo Rampini, Marco di Prisco, Christis Z Chrysostomou	Application of fiber-reinforced concrete in load bearing structures Chen Lin, Guomin Ji, Terje Kanstad
16:30-16:45	Effect of multiaxial stress state on the load-bearing capacity of CFRP prestressing strands Prathamesh Khorgade	Tenshield, a low carbon filler for post-tensioning tendons Antoine Carry, Julien Mercier, Laurent Gaillet	CO2 uptake by accelerated carbonation of recycled concrete aggregates: characterization at the grain scale by tomography and micro-indentation Kaddah Farah, Lux Jerome, Roziere Emmanuel, Turcry Philippe, Amiri Ouali, Ranaivomanana Harifidy, Aït-Mokhtar Abdelkarim		Influence of fibres and iron dust on the electrical conductivity of 3D-printed concrete mixes Eduardo Galeote, Josep Claramunt, Jose Luis Hermida, Albert de la Fuente
16:45-17:00	Externally bonded CFRP structural strengthening systems – Accelerated resin curing process for rapid return to service Jean-Roch Lucas, Julien Mercier, Alain Huynh, Sylvain Chataigner		Parametric and statistical study of RCA and carbonated RCA properties analysed as of a data collection Braymand Sandrine, Mercado Mendoza Hugo Ramiro, Roux Sébastien		Fabrication of a textile reinforcement from hemp fibres Sebastian Kuhn, Paul Penzel, Lars Hahn, Tânia Feiri, Malte Kaliske, Chokri Cherif, Marcus Ricker

	Amphitheater Antipolis
17:00-17:30	<p>Closure ceremony</p> <p>Closing from the co-chairs and the <i>fib</i> president</p> <p>Presentation of the next <i>fib</i> events</p>