

ACI-fib -RILEM FRC-UHPFRC Workshop 2026 Budapest - Programme Overview				
Time	Sunday 27 September	Monday 28 September		
9:00		Opening ceremony, 1st floor, room 3 (K.I.3) – Opening speech: György L. Balázs, Sándor Sólyom, Kálmán Koris (30 min) – Awards ceremony: Horst Falkner, Bruno Massicotte, Horst Falkner, Antony Naaman, Hans W. Reinhardt (4x10 min) – Giovanni Plizzari: <i>Presentation of Co-sponsors: ACI, fib and RILEM (20 min)</i>		
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13:00	Lunch (60 min)	Lunch (60 min)		
13:30				
14:00	fib TG 4.1	Structural applications I. Room A (4x20 min) Chiara Gaddi, Matteo Colombo, Marco Di Prisco: <i>Design of post-tensioned SFRC elevated slabs</i> Luca Facconi, Fausto Minelli, Andrea Pasetto, Giovanni Plizzari: <i>Behaviour of a precast steel fiber reinforced concrete thin-walled box structure subjected to cyclic loading</i> Chidchanok Pleesudjai, Martins Suta, Devansh Patel, Xavier Destree, Gregor Daniel Fischer, Barzin Mobasher: <i>Distributed Fiber Optic Monitoring in Full-Scale Fiber Reinforced Composite Decks</i> Péter Károly Juhász, Anna Bencze, Márton Kispál: <i>Jointless industrial floor using synthetic macro fibre-reinforced concrete: a Hungarian case study</i>	Fibres in new types of concretes I. Room B (4x20 min) Filippo Medeghini, Ivan Trabucchi, Giulia Brentana, Giuseppe Tiberti, Giovanni Plizzari, Peter Mark: <i>Optimization of Fiber Orientation in Steel Fiber Reinforced Concrete by Robotic Extrusion</i> Giulia Brentana, Ivan Trabucchi, Stefano Guanzirio, Giuseppe Tiberti, Giovanni Plizzari: <i>Hybrid Steel Fibre Reinforced Concrete based on calcium sulfoaluminate binder for precast tunnel segment production</i> Diego Carro-Lopez, Belén González-Fontebao, Carolina Matínez-García: <i>Textile waste as reinforcement fiber for construction panels</i> Shunyang Yao, Min Zhou, Doo-Yeo Yoo, Behzad Nematollahi: <i>Reducing Cost and Environmental Footprint of 3D-Printed UHPC Using Recycled Tire Steel Fibers</i>	Design specifications I. Room C (4x20 min) Viktor Gribniak, Aleksandr Sokolov: <i>Beyond superposition: Rethinking fiber bridging in concrete elements with bar reinforcement</i> Simone Spagnuolo, Alberto Meda, Benoit De Rivaz: <i>Quality Control of Steel Fibre-Reinforced Concrete: Traditional Method versus Innovative Approach</i> Mohammad Abu-Ahmad, Yuri Karinski, Avraham N. Dancygier: <i>Fibers distribution in concrete beams with rebars and steel fibers</i> Ingrid Lande, Guillem Rojas, Terje Kanstad: <i>Experiences from using Montevideo test for quality control of fibre-reinforced concrete</i>
14:30				
15:00				
15:30	Coffee break (30 min)	Coffee break (30 min)		
16:00	fib TG 4.1	Structural applications II. Room A (4x20 min) Simone Nicolaini, Paolo Martinelli, Viktor Gribniak: <i>Validation and application of a modified damage plasticity model for fibre-reinforced concrete structures</i> Kiran Dabral , Silvia Ientile, Jean-Claude Renaud, Saint-Ange Billo, Damien Suray-Faure, Philippe Robit, François Toutlemonde: <i>Shear strength of SFRC hollow bricks without reinforcement: A Review and Preliminary Analysis</i> Bruno Rossi , Sebastian Wolf: <i>Swinoujście tunnel, the largest diameter steel fibre-reinforced road tunnel in Europe</i> Eneas Dosantos, Victoria Olivera , Sofia Martínez, Luis Segura-Castillo: <i>Case Study on the Application of ASTM F2322 to Precast FRC Panels in a Detention Facility</i>	Fibres in new types of concretes II. Room B (4x20 min) György L. Balázs , Wisam K. Tuama, Oscar Pfeffermann, Gábor Kardos, Salem Nehme, Sándor Sólyom: <i>Fibres with no orientation</i> Christian U. Grosse , Oliver Fischer, Malte A. Peter, Dirk Volkmer: <i>Additively manufactured carbon short-fiber reinforced concrete – non-destructive testing to investigate deteriorations under fatigue</i> Laura Rossi , Maria Paula Zappitelli, Ravi Patel, Frank Dehn: <i>Design tool for alkali-activated slag-based concrete incorporating single (3D) and multiple (4D, 5D) hooked-end steel fibres</i> Ángel De La Rosa Velasco , Gonzalo Ruiz López, Jesús Rodríguez Pérez: <i>Energy-based evaluation of ductility and toughness in fibre-reinforced self-compacting natural hydraulic lime concrete</i>	Design specifications II. Room C (4x20 min) Malena Thomassen, Ingrid Lande: <i>Three-Point Bending Test of UHPFRC with Increased Aggregate Size and Variable Fibre Content</i> Saeid Mehrpay , Jelle Billiet, Jan Vorel, Daniele Pelessone, Eskinder Desta Shumuye, Tamon Ueda, Roman Wan-Wendner: <i>Exploring the potential of explicit steel fiber – lattice matrix coupling in high-fidelity simulation of steel-fiber-reinforced composites</i> Benoit de Rivaz , Nicolas Leclerc: <i>Characterization of fiber-reinforced concretes activated at very early ages</i> Jiahui Feng, Wenyong Cai, Lin Wan-Wendner: <i>Lattice Discrete Particle Modeling of Steel Reinforced UHPFRC Members under Eccentric Loading</i>
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17:30	Welcome drink	Technical excursion: Visit of Puskás Museum and Arena		
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Time	Tuesday 29 September		
9:00	Keynote presentations, 1st floor, room 3 (K.I.3)		
9:30	– Jean-Philippe Charron: <i>UHPFRC strengthening of bridge slabs - Towards a better understanding and prediction of failure mode under shear load</i> (30 min)		
10:00	– Fausto Minelli: <i>HPFRC for the Strengthening of Aging Structures with Flexural and Shear Deficiencies</i> (30 min)		
10:30	– Pierre Clement Rossi: <i>Eco-Resilient (ECORE) FRC Constructions</i> (30 min)		
10:30	Coffee break (30 min)		
11:00	Design specifications III. Room A (6x20 min) Joaquim Barros, Marcilio Filho: <i>Predictive performance of Eurocode 2 design recommendations for steel-fibre reinforced concrete structures</i>	Fibres in new types of concretes III. Room B (6x20 min) Bojan Poletanovic, Farshad Ameri, Lukas Hausner, Ildikó Merta: <i>Experimental Investigation of Hemp Fiber-Reinforced Recycled Aggregate Mortar</i>	Design aspects for long term and extreme loads I. Room C (6x20 min) Sergio Carmona, Giovanni Plizzari, Jorge Barraza: <i>Long-Term Behavior of FRC with Hybrid Fibers</i>
11:30	Bedirhan Enes Kelek, Olcay Gürabi Aydoğan, Duşem Medya GündoğmuşNilüfer Özyurt: <i>Assessing Fiber Orientation and Mechanical Performance in UHPFRC: A Data-Driven Review and Machine Learning Study</i>	Peter Czihak, Jaroslav Prokop: <i>Mechanical Performance of Concrete Reinforced with Recycled Tyre-Cord Fibres</i>	Pierre Rossi: <i>Development of probabilistic cracking models for fiber reinforced concrete under static and dynamic loadings</i>
12:00	Sören Faustmann, Oliver Fischer: <i>Validity check of punching shear design for steel fiber reinforced flat slabs with shear reinforcement based on new test results</i>	Xiao Zhao, Mehdi Chougan, Ravi Ranade, Behzad Nematollahi: <i>Elevated temperature performance of 3D-printed low-carbon alkali-activated UHPC</i>	Éva Lublóy, András Biró, György L. Balázs, Viktor Hlavička: <i>Behaviour of Reinforced Concrete Structural Elements Under Fire Exposure – An Integrated Structural Interpretation</i>
12:30	Todd Clarke, Péter Schaul, Des Vietstra: <i>Fibre-Reinforced Shotcrete Test Methods: Impact of the Application Process and Analytical-Numerical Correlations</i>	Min Zhou, Maurizio Guadagnini, Behzad Nematollahi: <i>Reinforcing 3D-Printed Concrete with Sprayed SHCC Overlay: A Post-Printing Reinforcement Method</i>	Christophe Camille, Olivia Mirza, Todd Clarke: <i>Dual-Approach Verification of Enhanced Fatigue Life in Macro Synthetic Fibre Reinforced Concrete Sleepers</i>
12:30	Victoria Olivera, Carlos Aire, Luis Segura-Castillo: <i>Theoretical and Experimental Correlation Between ASTM C1609 and MVD Tests</i>	Mohammad Mohsin Khan, Subhan Ahmad, Faisal Mukhtar, Mohammed A. Al-Ostai: <i>Curing effect on compressive strength of UHPC incorporation Copper Slag</i>	Vitor Monteiro, Rennan Liberato, Iranildo Silva Junior, Flavio Silva: <i>On the fatigue performance of ultra-high-performance concrete and strain hardening cementitious composites</i>
12:30	Péter Károly Juhász: <i>A stochastic mixing model for fibre distribution in fibre-reinforced concrete and its implications</i>	Sándor Sólyom, Anna Szijártó, György L. Balázs: <i>Effect of steel fibre geometry and dosage on the mechanical and post-cracking behaviour of UHPFRC</i>	Ahmed M. Seyam, Rita Nemes: <i>Thermal Performance of Fibre-Reinforced Concrete with Different Aggregate Types Under Elevated Temperatures</i>
13:00	Lunch (60 min)		
13:30	Lunch (60 min)		
14:00	Structural applications III. Room A (4x20 min) Gustavo Pena-Montesinos, Osman Carrillo, Jose A. Pincheira: <i>Behavior of steel fiber-reinforced concrete structural walls with simplified detailing under reversed cyclic displacements</i>	Sustainability, Durability, Serviceability I. Room B (4x20 min) Chidchanok Pleesudjai, Devansh Patel, Barzin Mobasher: <i>Effect of Residual Tensile Strength on Drying Shrinkage Cracking in Fiber Reinforced Concrete Pavement</i>	Design aspects for long term and extreme loads II. Room C (4x20 min) Ruiger Vrijdaghs, Krishnas Subramanian: <i>Enhanced progressive collapse resistance in reinforced concrete frames using polypropylene fibers</i>
14:30	Jan L. Vitek: <i>Fibre reinforced concrete and UHPC; their application in structures</i>	Pierre Rossi: <i>Modeling the compressive behavior and cracking process of plain concrete and fiber reinforced concrete</i>	Péter Ludvig, Anna Szijártó, Bruno Bacelar, Thiago Viana, Saleem Nehme: <i>High temperature behaviour of strain-hardening ultra-high performance fibre reinforced concretes</i>
15:00	Elfm Griniov, Rewi Sever, Dirk Schlickke: <i>Material saving potential by using Steel Fibre Reinforced Concrete for Industrial Floors</i>	Abdallah Al Abri, Kazi Md Abu Sohail, Sherif ElGarnal, Khalifa Al-Jabri: <i>Performance of Date Palm Pedicel and Coir Fibre in Natural Fibre Reinforce Concrete for Sustainable Construction</i>	Gabriele David Bocchino, Nicholas Sergio Burello, Alfredo Alan Flores Gutierrez, Davide ZampinLiberato Ferrara: <i>Fatigue Behaviour of High-Performance Fibre Reinforced Concrete (HPFRC); from Experimental Investigations to Design Provisions</i>
15:30	Wisam Alzweehm, György L. Balázs: <i>Improving punching shear capacity in flat slabs using SIFCON with 3D steel reinforcing elements</i>	Krishna Subramanian, Tom Molken, Rutger Vrijdaghs: <i>Time-Dependent Deflection and Crack Width in Polypropylene Fibre Reinforced Concrete Beams: A Review and Preliminary Experimental Results</i>	Nadia Quijano Arteaga, Samantha Hidalgo Asudillo, Debora Martinello Carlesso, Stanislaw AidaroAlbert De la Fuente: <i>Compressive Fatigue Behaviour of Concrete Incorporating Recycled Aggregates and Recycled Glass Fibres from Wind Turbines</i>
15:30	Coffee break (30 min)		
16:00	Sustainability, Durability, Serviceability II. Room A (4x20 min) György L. Balázs, Ronny Ramiro Almeida Vasquez, Jorge Luis Campoverde Abril, Imre Kovács, Katalin Kopecskó: <i>Durability study of existing SFRC beams subjected to outdoor environmental conditions</i>	Structural applications IV. Room B (4x20 min) Vellore S. Gopalaratnam: <i>Rethinking Wearing Surfaces (WS) for Orthotropic Steel Deck Bridges – SFRC WS for Extending the Bridge Service Life</i>	
16:30	Sébastien Wolf, Lionel Sofia, Beatrice Malchiodi, Karen Scrivener: <i>Mechanical and environmental performance of SFRC using fibres made of recycled and renewably produced steel and Limestone Calcined Clay Cement LC3</i>	Juan Navarro-Gregori, Yeiner A. Gómez-Velásquez, Juan A. Mateu-Sánchez, Pedro Serna, José R. Martí-Vargas: <i>Evidence from slender beam tests on prestressed UHPC for lightweight, durable structures</i>	
17:00	Muhammad Ali, Olivia Mirza, Christophe Camille, Fidelis Mashiri: <i>Mechanical performance of recycled PET fibre-reinforced concrete for sustainable construction</i>	Marco Antonio Carnio, Viviane Visnardi Vaz, Isabela, Oliveira Duarte: <i>Fibre-Reinforced Concrete Pile-Supported Foundation Slab for a Building</i>	
17:30	Guillem Rojas, Reignard Tan, Terje Kanstad: <i>Extension of the Simplified Modified Tension Chord Model to predict cracking and deformation in fibre reinforced concrete</i>	Carlos Aire, Eneas Dosantos, Luis Segura-Castillo: <i>Behaviour of fibre reinforced concrete in industrial floors: Comparison between the Montevideo test and EN 14651 bending test for an on-site application</i>	
18:00	Banquet river cruise with dinner on the Danube		
18:30	Banquet river cruise with dinner on the Danube		
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21:00	Banquet river cruise with dinner on the Danube		
21:30	Banquet river cruise with dinner on the Danube		

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Time	Wednesday 30 September		
9:00	Keynote Presentations, 1st floor, room 3 (K.I.3) – Bruno Massicotte: <i>Design, validation and construction of a fully precast bridge with UHPFRC connections meeting seismic performances (30 min)</i> – Joaquim A. O. Barros: <i>fib Bulletin 117 – acontribution for the analysis and design of FRC structures (30 min)</i> – Horst Falkner: <i>Structural application of FRC (30 min)</i>		
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10:30	Coffee break (30 min)		
11:00	Design specifications IV. Room A (6x20 min) Maximilian Kronau, Roman Wan-Wendner, Oliver Fischer: <i>Direct Tensile Tests on Drilled Cores with Different Fiber Orientation: Test Setup and d-w-Relationships</i> Jiri Kovar, Jan Cervenka: <i>Blind prediction of steel fiber-reinforced slab punching resistance based on lessons learned from previous contests</i> Naser S. Alimrani, Jian Zhan, Shao Yi: <i>Simultaneous Optimization of Fiber Scheme and Structural Design for UHPC Structures</i>	Sustainability, Durability, Serviceability III. Room B (6x20 min) Pierre Rossi: <i>Eco-Resilient (ECORE) FRC Constructions</i> Ray Hudd, Ralf Winterberg: <i>Ultra-High-Performance Concrete (UHPC) as a Sustainable Alternative</i> Yuri S. Karinski, Avraham N. Dancygier: <i>Evaluation of cracking localization and its effect on load and displacement capacities of R/SFRC beams</i> Klaus Holschemacher: <i>Recycling of steel fiber reinforced concrete</i> Jaroslav Prokop, Petr Frantík, Ivan Holý: <i>Fracture model double-K - Concrete with a dose of recycled and industrially produced steel fibers</i> Alessandro P. Fantilli, Andrea Garda: <i>The role of recycled steel fibers in the sustainability of cementitious composites</i>	Retrofitting and strengthening Room C (5x20 min) Ivan Beltracchi, Adriano Reggia, Giovanni Metelli, Giovanni Pizzari: <i>Fiber orientation effects in thin layers of HPFRC jacketing: a critical discussion of Model Code 2020 provisions</i> Jean-Philippe Charron, Espoir Kahama, Martin Pharend: <i>UHPFRC strengthening of bridge slabs - Towards a better understanding and prediction of failure mode under shear load</i> Anna Bontempi, Nico Di Stefano, Giulio Morandini, Giuseppe Melcangi, Luca Albertario, Fausto Minelli: <i>Enhancing the Service Life of Historical Bridge Structures: Experimental Assessment of a CFRP-FRM Retrofit System</i> Xiuliang Shen, Tamás Mészöly, Norbert Randi, Yilin Li: <i>Tensile Behavior of Fe-SMA Reinforced UHPFRC under Different Activation Methods</i> Elisa Carleschi: <i>Numerical Study on the Strengthening of Pitting-Corroded Reinforced Concrete Dapped-End Beams</i>
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12:00	Nadia Quijano Arteaga, Natividad García Troncoso, Samantha Hidalgo Astudillo, Stanislav Aidarov, Albert De la Fuente: <i>Statistical approach to quality control of steel fibre reinforced concrete using inductive measurements based on experimental data</i> Ahmed Hamed, Mario Pimentel: <i>Effect of fibre orientation and hook type on the tensile response of FRC</i>		
12:30	Veronica Bertolli, Tommaso D'Antino, Christian Carloni: <i>Influence of dispersed PVA fibers in the GFRP bar-concrete bond behavior</i>		
13:00	Lunch (60 min)		
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14:00	Design aspects for long term and extreme loads III. Room A (5x20 min) Thiago Viana, Péter Ludvig, Bruno Bacelar, Isabela Coelho: <i>Investigation of different polypropylene fiber contents in ultra-high-performance concretes under temperature increase</i> Viktor Hlavicka: <i>Effect of Polymer-Fibre-Containing Recycled Concrete Aggregate on the High-Temperature Resistance of Recycled Concrete</i> Sheila Bisika, Humaira Fataar: <i>Comparative Fatigue Behaviour of Steel Fibre Reinforced Concrete under Flexural and Traffic-Type Loading</i> Angel De La Rosa Velasco, Gonzalo Ruiz, Vaibhav W. Masih, Riccardo Zanon: <i>Fatigue in compression and indirect tension in a high-tech steel-fiber reinforced concrete</i> M. Mirza Abdillah Pratama, Ravi Ranade, Doo-Yeo Yoo, Behzad Nematollahi: <i>Flexural Performance of Low-Carbon UHPFCs Exposed to Elevated Temperatures</i>	Structural applications V. and Design specifications V. Room B (5x20 min) Luis Alberto Leonardo Nolasco, Abraham Hidalgo Bermúdez, Claudio Parada Ibanez, Jesus Munoz Perez, Péter Károly Juhász: <i>Finite element analysis of synthetic macro fibre reinforced concrete jointless industrial floors in Latin-America</i> Alexandru Trandafir: <i>Hybrid Fibre-Reinforced Concrete Shear Walls for Seismic-Resilient Structures</i> Athussain Yousef, Panagiotis Spyridis: <i>Mechanical Performance and Redundancy of Direct Fasteners in Fiber-Reinforced Concrete: An Experimental Evaluation</i> Devansh Patel, Chidchanok Pleesudjai, Barzin Mobasher: <i>Simplified Flexural Design of FRC Based on Integrated Residual Tensile Stress from Standard Beam Tests</i> Norbert Vita, Akanshu Sharma: <i>Performance-Based Design approach for anchorages in Steel Fiber Reinforced Concrete considering concrete related failure modes</i>	
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15:30	Coffee break (20 min)		
16:00	Closing ceremony		
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