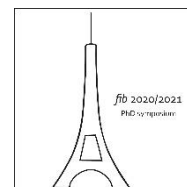


13th fib PhD on line symposium 2021

Program

(Paris time zone = GMT+2)

Each speaker has 15' for the presentation of the paper and 10' for the discussion.



	Webinar room A	Webinar room B
Wednesday, July 21 st 2021		
9h00-9h30	Opening of the symposium Prof. Fabrice Gatuingt <i>fib</i> president Akio Kasuga Prof György L. Balázs	
9h30-12h	Session 1A – Durability and life assessment I Chairmen: Akio Kasuga Vlad Shekhovstov Joao Pacheco Matthieu Briffaut	Session 1B – Fatigue of concrete structures I Chairmen: György L. Balázs Sándor Sólyom Syed Yasir Alam Arnaud Perrot
9h30 – 10h	Case study of carbonation of 100 years old concrete covered by a thin cement render <i>Jakub Gašpárek, Lukáš Húlek, Peter Paulík</i>	Cyclic Shear Response of Reinforced Concrete Dapped-End Beams (RCDEBs) Under Bond Deterioration <i>Ajibola Ibrahim Quadri, Chikako Fujiyama</i>
10h-10h30	Comparison of normative test methods for evaluating concrete resistance to freeze-thaw cycles to real exposure conditions. <i>Sara Al Haj Sleiman, Laurent Izoret, Frederic Grondin, Ahmed Loukili, Syed Yasir Alam</i>	Damage indication by electrical resistivity measurement of carbon short fibre reinforced concrete in fatigue testing <i>Philipp Lauff, Oliver Fischer</i>
10h30-11h	Experimental study of the concrete creep potential that is already damaged by Alkali Aggregates Reactions (AAR) in a new finite elements approach <i>Clement Lacombe, Thierry Vidal, Alain Sellier, Christine Noret, Patrice Anthinac</i>	Influence of silica fume on the deterioration under compressive fatigue loading in high-strength concrete <i>Tim Scheiden, Nadja Oneschkow</i>
11h-11h30	Internal hydrophobization of cement based materials <i>Kalina Grabowska, Marcin Koniorczyk</i>	Influence of temperature increase on fatigue behaviour of concrete during compressive fatigue loading <i>Martin Markert, Harald Garrecht</i>

11h30-12h00	Numerical Simulation of Asphalt Pavement Countermeasure at High Temperature Against Protrusion of Vertical PC Bars Using Applied Element Method <i>Addisu Desalegne Bongor, Akira Hosoda, Hamed Salem, Takahisa Fukaya</i>	Influence of the specimen production and preparation on the compressive strength and the fatigue behaviour of HPC and UHPC concrete <i>Marco Basaldella, Ludger Lohaus, Nadja Oneschkow</i>
14h-16h30	Session 2A – Innovation in materials and structures Chairmen: Michael Haist Patrick Valeri François Toutlemonde	Session 2B – Monitoring and structural assessment Chairmen: Hugo Corres Samanta Robuschi Evelyne Toussaint
14h-14h30	Behaviour of glass fibre reinforced gypsum panels as walls and slabs: a review <i>Aishwarya Shaji, A Meher Prasad, Devdas Menon</i>	Assessment of Existing Masonry Structures (The ARES project) <i>Ivan Hafner, Tvrtko Renić, Janko Koščak, Tomislav Kišiček, Mislav Stepinac</i>
14h30-15h	Identification of mechanical fracture parameters of fine-grained brittle matrix composites <i>Martin Lipowczan, David Lehký, Hana Šimonová, Barbara Kucharczyková, Zbyněk Keršner</i>	Stop Criteria for Proof Load Testing of Reinforced Concrete Structures <i>Gabriela I. Zarate Garnica, Eva O.L. Lantsoght</i>
15h-15h30	Plastic hinge relocation on the beams with innovative beam-to-column joints <i>Haider Hamad Ghayeb, Hashim Abdul Razak, N.H. Ramli Sulong, Mo Kim Hung</i>	Wave-based Indicators of Shear Failure in Reinforced Concrete Members without Shear Reinforcement: A Review <i>Fengqiao Zhang, Yuguang Yang, Max A.N. Hendriks, Gabriela Zarate Garnica</i>
15h30-16h	The experimental verification of concrete elements strengthened using UHPC <i>Lukáš Boháček</i>	Seismic assessment of a RC frame building designed for gravity loads including joint deformation capacity model <i>Maria Zucconi, Marcello Sabene, Stefano Pampanin, Barbara Ferracuti</i>
Thursday, July 22 nd 2021		
9h-10h	Keynote: Magali Anderson “Why concrete and cement are key for a net-zero world?” Chairman: Akio Kasuga , <i>fib</i> President	
10h-10h30	Coffee break	

10h30-12h	<p>Session 3A – Structural analysis and design I Chairmen: Aurelio Muttoni Gaël Le Bloa Jacqueline Saliba</p>	<p>Session 3B – Durability and life assessment II Chairmen: Tor-Ole Olsen Ahmed Seyam Abdel Khelidj</p>
10h30-11h	<p>Analysis of creep in plain concrete flexural members <i>Mary Williams, Devdas Menon, Anumolu Meher Prasad</i></p>	<p>Water Vapor Sorption of Hardened Cement Pastes: Impact of Temperature and Carbonation <i>Zhen Wang, Kefei Li</i></p>
11h-11h30	<p>Analytical evaluation on the influences of deterioration of bond between rebar and concrete on structural performances of RC structures <i>Ryota Kurihara, Youhei Ito, Nobuhiro Chijiwa</i></p>	<p>Lightweight cement slurries for carbon capture and storage <i>Christian Marcelo Martín, Nadia Belén Scarponi, Yury A. Villagrán-Zaccardi, Diego Manzanal, Teresa María Piqué</i></p>
11h30-12h00	<p>Conceptual peculiarities of composite steel-concrete shallow floors <i>Laurie Couavoux, Jan Bujnak, Abdelhamid Bouchaïr</i></p>	<p>Toward a new assessment method of the durability of stabilized compacted earth blocks <i>Noha Al Haffar, Antonin Fabbri, Fionn McGregor</i></p>
14h-16h30	<p>Session 4A – Structural analysis and design II Chairmen: Marco di Prisco Natividad Garcia Alain Sellier</p>	<p>Session 4B – Fatigue of concrete structures II & Sustainability and life cycle assessment Chairmen: Petr Hajek Nikola Tosić Michel Moussard</p>
14h-14h30	<p>Fastening of a gusset plate to concrete by means of post-installed anchors - Numerical investigation <i>Erik Johannes Stehle, Akanshu Sharma</i></p>	<p>Long-term strain development of concrete subjected to creep and cyclic loading <i>Bianca Kern, Nadja Oneschkow, Ludger Lohaus, Michael Haist</i></p>
14h30-15h	<p>Finite element modeling of size effect on punching shear strength of reinforced concrete slabs without shear reinforcement <i>Rafael Andrés Sanabria Díaz, Leandro Mouta Trautwein, Luiz Carlos de Almeida</i></p>	<p>Microcracking of high-performance concrete under cyclic loading and the influence of the aggregate <i>Niklas Schäfer, Rolf Breitenbücher</i></p>
15h-15h30	<p>Influence of geometry and material parameters' variability on the ultimate condition of doubly reinforced concrete beams <i>Alberto Stella, Gianluca Aldrighetti,</i></p>	<p>Bond stress distribution of ripped steel bars in reinforced concrete with short bond length under various loading conditions <i>Marc Koschemann</i></p>

	<i>Luisa Berto, Diego Alejandro Talledo, Anna Saetta</i>	
15h30-16h	Semi-probabilistic assessment of prestressed concrete bridge <i>Lukas Novak, Drahomir Novak</i>	Geopolymer concrete structures: mechanical properties and bond with deformed steel bars <i>Vincenzo Romanazzi, Marianovella Leone, Maria Antonietta Aiello, Maria Rosaria Pecce</i>
16h-16h30	Strengthening reinforced concrete flat slabs with post installed shear reinforcement <i>Mária Bolešová, Gajdošová Katarína</i>	Homogenized reinforced concrete model for the evaluation of ASR affected structures <i>Daniela Vo, Pierre Morenon, Stéphane Multon, Alain Sellier, Etienne Grimal, Benoit Masson, Anass Cherki El Idrissi, Philippe Kolmayer</i>
16h30-16h45	Coffee break	
16h45-17h30	<p style="text-align: center;">Closing ceremony (Jean-Michel Torrenti) MasterBuilders Solutions talent activities (Lisa Lanninger) EFB awards (Laure Regnaud) <i>fib</i> awards (Akio Kasuga and György L. Balázs.) & presentation of the 14th fib PhD symposium in Italy (Marco di Prisco)</p>	