

Day 1		
	<i>Main Room</i>	<i>Room 2</i>
08:30-09:30	Registration and Networking	
09:30-09:40	Welcome and Opening	
	Plenary Session - All Composite Structures	
09:40-10:10	Keynote 1 - Floating on Glass: Audacious FRP Applications for Lightweight Roof Structures <i>Luke McEwen and Catherine Anne McCarroll</i> <i>Gurit Composite Engineering</i>	
10:10-10:30	Fibre Reinforced Polymer Structures: Design Guidance or Guidance for Designers <i>Toby Mottram</i> <i>University of Warwick</i>	
10:30-10:50	Effects of Lap Thickness and Joint Geometry on Failure of Pultruded Composite Single-lap Bolted Tension Joints <i>Geoff Turvey</i> <i>University of Lancaster</i>	
10:50-11:30	Break and Networking	
	All Composite Structures	Long Term Performance of FRP
11:30-11:50	Convenient and Inexpensive Test Methods for Pultruded GFRP Composite Materials <i>Tianqiao Liu - Daniel Cardoso - Janine Vieira - Kent A. Harries</i> <i>University of Pittsburgh</i>	Durability of Extracted In-Service GFRP Bars in RC Subjected to Field Exposure <i>Wei Wang - John J. Myers</i> <i>Missouri University of Science and Technology</i>
11:50-12:10	Flexural Stability of Pultruded GFRP I- sections <i>Kent A. Harries - J. D. Vieira - T. Q. Liu</i> <i>University of Pittsburgh</i>	Service Life Prediction of Pultruded Glass Fibre Reinforced Polymer Composites for Building Construction <i>Valter Carvelli - Guglielmo Carra</i> <i>Politecnico di Milano</i>
12:10-12:30	Joining Fiberglass to Outperform Steel <i>Mark Singleton - John Hutchinson</i> <i>Startlink Systems</i>	Gaps Between Short Term and Long Term Design for Internal FRP Reinforcement <i>André Weber</i> <i>Schoeck Bauteile</i>
12:30-12:50	Influence of Length and End-Conditions on the Local Buckling of Pultruded GFRP I-section Columns <i>Gisele G. Cintra - Daniel C. T. Cardoso - Janine D. Vieira</i> <i>Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio)</i>	Investigation of Tension Stiffening in GFRP RC Tensile Members Exposed to Severe Environments Under Strained Load <i>Hamed Fergani - Maurizio Guadagnini - Matteo Di Benedetti - Cyril Lynsdale - Cristina Mias</i> <i>University of Sheffield</i>

12:50-13:10	Effect of Temperature on the Short-term and Long-term Behaviour of Single-Pin-Bearing Connections in Pultruded FRP Composites <i>David Scott</i> <i>Georgia Institute of Technology</i>	Long-term-performance of Loaded GFRP Bars in Alkaline Environment <i>M. L. Keller - M. Pahn - M. Kopietz - B. Wetzel</i> <i>University of Kaiserslautern</i>
13:10-14:30	Lunch and Networking	
	Strengthening with FRP	FRP at Elevated Temperatures
14:30-14:50	Optimum Shear Strengthening of Reinforced Concrete Beams using an Un-bonded CFRP Strap Shear Retrofitting System <i>Maithree Kurukulasuriya, Hasini Ratnavake and Hiran Yapa</i> <i>University of Peradeniya</i>	Experimental Behaviour of RC Slabs Strengthened with EB CFRP Strips Subjected to Fatigue Loading at Elevated Temperature <i>Juan Manuel Gallego - Christoph Czaderski - Julien Michels</i> <i>Empa, Swiss Federal Laboratories for Materials Science and Technology</i>
14:50-15:10	Large-scale Reinforced Concrete T-beams Strengthened in Shear with Embedded GFRP Bars <i>Samir Dirar and Marios Theofanous</i> <i>University of Birmingham</i>	Flexural Strength Enhancement of Steel I-sections with Fibre-Reinforced Intumescent Fire Protection Coatings <i>Zafiris Triantafyllidis, Luke Bisby and Tim Stratford</i> <i>University of Edinburgh</i>
15:10-15:30	Effectiveness of the Deep Embedment (DE) Technique for the Shear Strengthening of Reinforced Concrete Continuous T-beams <i>Vesna Raicic - Prof Tim Ibell - Dr Antony Darby - Dr Mark Evernden - Dr John Orr</i> <i>University of Bath</i>	Modelling of the Flexural Behaviour of FRP Strengthened Beams at Elevated Temperatures <i>Alessandro Proia - Stijn Matthys</i> <i>Ghent University</i>
15:30-15:50	An Upper-bound Plastic Approach to the Capacity of Reinforced Concrete Slab-on-beam Structures Strengthened in Shear with Externally Bonded CFRP <i>Robert M Foster - Chris T Morley - Janet M Lees</i> <i>University of Queensland</i>	Fire Safety Scenarios for FRP Strengthened RC Beams as a Function of the Strengthening Ratio <i>Stijn Matthys</i> <i>Ghent University</i>
15:50-16:20	Break and Networking	
16:20-17:30	ECR Poster Competition Presentations <i>5min presentations x 10</i>	
17:30 - 19:30	ECR Poster Competition and Drinks Reception, Sponsored by Tony Gee & Partners and Construction Composites	

Day 2		
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	Main Room	Room 2
09:00-09:30	Registration and Networking	
	Plenary Session - Applications	
09:30-10:00	Keynote 2 - Design and Production of the World's Largest Carbon Fibre Reinforced Architectural Structure <i>Mark Hobbs</i> <i>Premier Composite Technologies</i>	
10:00-10:30	Keynote 3 - Design and Fabrication of Church Bridge <i>Lee Canning</i> <i>Jacobs</i>	
10:30-10:50	Material Testing, Design & Construction of a Laboratory-Scale FRP Composite Footbridge <i>Paul Archbold - <u>Brian Mullarney</u></i> <i>Athlone Institute of Technology</i>	
10:50-11:30	Break and Networking	
	Textile Reinforced Mortars	Composite Panels
11:30-11:50	An Innovative Structural and Energy Retrofitting System for Masonry Walls Using Textile Reinforced Mortars Combined With Thermal Insulation <i><u>Thanasis Triantafyllou</u> - Kyriakos Karlos - Kalliopi Kefalou - Eirini Argyropoulou</i> <i>University of Patras</i>	Fatigue Performance of a Connection for GRC Cladding Panels <i>Marco Dona</i> <i>University of Cambridge</i>
11:50-12:10	On the Effectiveness of Textile Reinforced Mortars for Retrofitting of Masonry Arches <i><u>Florentia Kariou</u> - Savvas Triantafyllou - Dionysios Bournas</i> <i>University of Nottingham</i>	Bending Performance of Glass Fibre reinforced Polymer Sandwich Panels Subjected to Combined Thermal Cycling and Load <i>Isabelle Paparo</i> <i>University of Cambridge</i>
12:10-12:30	Concrete walls with openings strengthened using FRCM composites <i><u>Cristian Sabau</u>, Cosmin Popescu, Gabriel Sas, Thomas Blanksvärd and Björn Täljsten</i> <i>Luleå University of Technology</i>	Flexural Behaviour of Thin GFRP-reinforced Concrete Slabs With Reduced Concrete Cover as a Part of Pre-cast Sandwich Panels <i><u>Marcin M. Haffke</u> - Matthias Pahn</i> <i>Technische Universitaet Kaiserslautern</i>
12:30-12:50	Effectiveness of TRM Versus FRP in flexural strengthening of RC beams <i><u>Saad M. Raoof</u> - Lampros N. Koutas - Dionysios A. Bournas</i> <i>University of Nottingham</i>	Estimation of Capacity and Energy Absorption of FRP-to-Steel Bolted Connections <i><u>M. Dakhel</u> - T. Donchev - H. Hadavinia - M. Limbachiya</i> <i>Kingston University</i>
12:50-14:00	Lunch and Networking	
	Textile Reinforced Mortars	FRP for RC Structures
14:00-14:20	Shear Capacity of RC Beams Strengthened with TRM Jacketing <i><u>Zoi C. Tetta</u> - Dionysios Bournas - Thanasis Triantafyllou</i> <i>University of Patras</i>	Structural Performance of Flexibly Formed Concrete T Beams with Wound FRP Reinforcement <i><u>Yuanzhang Yang</u> - John Orr - Tim Ibell - Saverio Spadea</i>

		<i>University of Bath</i>
14:20-14:40	Effect of Shear Span-to-depth Ratio in Concrete Beams Strengthened in Shear with Textile-Reinforced Mortar (TRM) <i>Zoi C. Tetta - Lampros N. Koutas - Dionysios A. Bournas</i> <i>University of Patras</i>	Experimental Study on the DIC Setup for the Analysis of FRP RC Members <i>Matteo Di Benedetti - Javier Gómez - Cristina Barris - Maurizio Guadagnini - Lluís Torres</i> <i>University of Sheffield</i>
14:40-15:00	Evaluation of External Transversal Reinforcement Strains of RC Beams Strengthened in Shear With FRCM Composites <i>J.H. Gonzalez-Libreros - T. D'antino - L.H. Sneed - C. Pellegrino</i> <i>University of Padua</i>	Punching Shear of Concrete Flat Slabs Reinforced With Fibre Reinforced Polymer Bars <i>Abdulhamid Al Ajami - Abdulhamid A Q Al Ajami - Ashraf Ashour - Dennis Lam - Therese Sheehan</i> <i>University of Bradford</i>
15:00-15:20	Evaluating the Confining Effects of Steel-Reinforced Grout Jacketing: An Experimental Study <i>Georgia Thermou - Iman Hajirasouliha</i> <i>University of Sheffield</i>	Mechanical Behaviour of Concrete Beams Reinforced With CFRP U-channels <i>Mithila Achintha - Fikri Alami - Sian Harry - Alan Bloodworth</i> <i>University of Southampton</i>
15:20-15:40	Experimental Investigation on Anchorage Systems for Enhancing the Mechanical Performance of FRCM Composites in Retrofitting RC Structural Beams <i>Zena R. Aljazaeri - Micheal Janke - John J. Myers</i> <i>Missouri University of Science and Technology</i>	Shear Behaviour of FRP RC Beams: Does Size Matter? <i>Szymon Cholostiakow - Matteo Di Benedetti - Emanuele Zappa - Maurizio Guadagnini</i> <i>University of Sheffield</i>
15:40-16:10	Break and Networking	
	Confinement with FRP	FRP for RC Structures
16:10-16:30	Effect of Cylinder Size on the Behaviour of FRP-confined Rubberised Concrete with High Rubber Content <i>Samar Raffoul - David Escolano Margarit - Reyes Garcia - Maurizio Guadagnini - Kypros Pilakoutas</i> <i>University of Sheffield</i>	Bend-strength of Wound Carbon Fibre Reinforced Polymer Shear Reinforcement <i>Kristin Ivanova - John Orr - Saverio Spadea</i> <i>University of Bath</i>
16:30-16:50	Proof-of-concept Testing of FRP Confined Rubberised Concrete Coupling Beams <i>David Escolano-Margarit - Zhao Wang - Maurizio Guadagnini - Kypros Pilakoutas</i> <i>University of Sheffield</i>	First Certified GFRP Thermal Break for Concrete Cantilever Balconies <i>André Weber</i> <i>Schoeck Bauteile</i>
16:50-17:10	FRCM Systems for Strengthening Masonry Structures <i>G. Amato - J.F. Chen - J. D'anna - L. La Mendola - G. Minafò</i> <i>Queen's University Belfast</i>	Bond Strength of Sand-coated GFRP Re-bars in High-strength Concrete <i>Najia Saleh - A. F. Ashour - Dennis Lam - Therese Sheehan</i> <i>University of Bradford</i>

Day 3	
	<i>Main Room</i>

09:00-09:30	Registration and Networking
	Bond and Anchorages
09:30-09:50	Bond Strength of GFRP Rebars in Concrete at Elevated Temperature <i>Sándor Sólyom - Matteo Di Benedetti - Emanuele Zappa - Maurizio Guadagnini - György L. Balázs</i> <i>Budapest University of Technology and Economics</i>
09:50-10:10	Bond Performance of Helically Wrapped GFRP Bars in High-strength Concrete <i>Najia Saleh - A. F. Ashour - Dennis Lam - Therese Sheehan</i> <i>University of Bradford</i>
10:10-10:30	Experimental Measurements and Numerical Modelling of Bond Between GFRP Bars and Concrete <i>Ana Veljkovic - Mohammadali Rezazadeh - Valter Carvelli</i> <i>Politecnico di Milano</i>
10:30-10:50	Effect of Sustained Load and Environmental Conditions on the Bond Between NSM FRP Strips and Concrete <i>Mohamed Emara, Marta Baena, Lluís Torres, Cristina Barris, Mohamed Moawad and Ricardo Perera</i> <i>University of Girona</i>
10:50-11:10	Test Standardisation for FRP-to-Concrete Bond Characterisation <i>Andreea Serbescu - Maurizio Guadagnini - Kypros Pilakoutas</i> <i>Sheffield Hallam University</i>
11:10-11:40	Break and Networking
	Strengthening with FRP
11:40-12:00	Estimation of Pull-out and Shear Strength of FRP Spike Anchors <i>Villanueva Llauredó Paula - Ibell Tim - Fernández Gómez Jaime - González Ramos Francisco J</i> <i>Technical University of Madrid</i>
12:00-12:20	Thermoplastic FRP Laminates for Strengthening Concrete <i>Michał Staskiewicz - Chris Hare</i> <i>NetComposites</i>
12:20-12:40	Flexural and Shear Response Predictions of Statically Determinate and Indeterminate RC Structures Strengthened With Fibre Reinforced Polymer <i>Honeyeh Ramezansfat - Mohammadali Rezazadeh - Joaquim Barros</i> <i>University of Minho</i>
12:40-13:00	Sustained Loading Effects on NSM Strengthened RC Beams With Different CFRP Ratios <i>Mohamed Moawad - Lluís Torres - Cristina Barris - Marta Baena - Mohamed Emara - Ricardo Perera</i> <i>University of Girona</i>
13:00-14:30	Lunch & Networking