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

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

Day 2		

	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 *Mark Hobbs* *Premier Composite Technologies*	
10:00-10:30	Keynote 3 - Design and Fabrication of Church Bridge *Lee Canning* *Jacobs*	
10:30-10:50	Material Testing, Design & Construction of a Laboratory-Scale FRP Composite Footbridge *Paul Archbold - Brian Mullarney* *Athlone Institute of Technology*	
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 *Thanasis Triantafillou - Kyriakos Karlos - Kalliopi Kefalou - Eirini Argyropoulou* *University of Patras*	Fatigue Performance of a Connection for GRC Cladding Panels *Marco Dona* *University of Cambridge*
11:50-12:10	On the Effectiveness of Textile Reinforced Mortars for Retrofitting of Masonry Arches *Florentia Kariou - Savvas Triantafyllou - Dionysios Bournas* *University of Nottingham*	Bending Performance of Glass Fibre reinforced Polymer Sandwich Panels Subjected to Combined Thermal Cycling and Load *Isabelle Paparo* *University of Cambridge*
12:10-12:30	Concrete walls with openings strengthened using FRCM composites *Cristian Sabau, Cosmin Popescu, Gabriel Sas, Thomas Blanksvärd and Björn Täljsten* *Luleå University of Technology*	Flexural Behaviour of Thin GFRP-reinforced Concrete Slabs With Reduced Concrete Cover as a Part of Pre-cast Sandwich Panels *Marcin M. Haffke - Matthias Pahn* *Technische Universitaet Kaiserslautern*
12:30-12:50	Effectiveness of TRM Versus FRP in flexural strengthening of RC beams *Saad M. Raoof - Lampros N. Koutas - Dionysios A. Bournas* *University of Nottingham*	Estimation of Capacity and Energy Absorption of FRP-to-Steel Bolted Connections *M. Dakhel - T. Donchev - H. Hadavinia - M. Limbachiya* *Kingston University*
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 *Zoi C. Tetta - Dionysios Bournas - Thanasis Triantafillou* *University of Patras*	Structural Performance of Flexibly Formed Concrete T Beams with Wound FRP Reinforcement *Yuanzhang Yang - John Orr - Tim Ibell - Saverio Spadea*

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

Day 3	
	Main Room

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