

Monday June 21		
8:40-9:00 am Welcoming Message by A. Si Larbi and H. Nassif		
Session 1: Ferrocement: History and Progress		
9:00-9:40 am Keynote	M. Chiorino and C. Chiorino	Art and Science of Building in Concrete: The reinvention of Ferrocement by Pier Luigi Nervi
9:40-10:00	A.E. Naaman	Ferrocement: a Historical Perspective
10:00-10:20	P. Nedwell	Ferrocement: an Appropriate Material for University Project Work
10:20-10:30	Questions to speakers	
10:30-10:40	Coffee Break	
Session 2: TRC: Mechanical Performance		
10:40-11:20 Keynote	B. Mobasher, C. Pleesudjai & Y. Yao	Hierarchical Modeling of Textile Reinforced Concrete Structural Systems
11:20-11:40	N. Douk, X.H. Vu, and A. Si Larbi	Numerical Modeling of Stress and Strain Evolution of RC Beams Reinforced by TRC Subjected to Thermomechanical Loading in Case of Fire
11:40-12:00	I. Karakasis, C. Papanicolaou, and T. Triantafillou	Durability of Textile Reinforced Mortars Under Harsh Environments
12:00-12:10	Questions to speakers	
12:10-13:00	Coffee Break	
Session 3: Ferrocement: Recent Applications		
13:00-13:40 Keynote	G. Penelis, B. Martin, P. Winslow, and K. Paschalidis	The Ferrocement Canopy of the New Athens Opera House
13:40-14:00	M. Milinkovic	Sturdy, Durable, Fast-to-Build and Low-Cost Ferrocement Housing
14:00-14:20	M. Milinkovic	Sustainable and Flexible System for Construction with Ferrocement
14:20-14:30	Questions to speakers	
14:30-14:40	Coffee Break	
Session 4: Modeling Ferrocement and TRC		
14:40-15:20 Keynote	J.E. Bolander	Computational Modelling of Ferrocement for Structural Applications
15:20-15:40	H. Spartali, R. Chudoba, S. Rastegarian, and N. Will	Moment-Curvature Model for a General Flexural Assessment of Carbon-Concrete Beams
15:40-16:00	P. Kapsalis, M. El Kadi, T. Triantafillou, D. Van Hemelrijck, and T. Tysmans	Numerical Modelling of the Flexural Capacity of Heated Textile Reinforced Concrete
16:00-16:20	Eleni Tsangouri, Eymeric Hardy, Aron Van Driessche, Amir Si Larbi, Dimitrios Aggelis	Acoustic emission monitoring of fracture of trc curved structural plates
16:20-16:30	Questions to speakers	
16:30-	Break for the day	

Tuesday June 22**Session 5: Rehabilitation, Strengthening, Optimization**

9:00-9:40 Keynote	M.C. Rampini, G. Zani, M. Colombo and M. Di Prisco	FRCM-Retrofitting of Steel Fiber-Reinforced Concrete Shallow Beams
9:40-10:00	P. Hamelin, Z. Mesticou, N. Algourdin, G. Cai and A. Si Larbi	Design Method for Strengthening Steel-Concrete Beams with Textile Reinforced Cement
10:00-10:20	A. de Coster, M. Hennemann, L. De Laet, and T. Tysmans	Modular Shell Structures in Textile Reinforced Concrete (TRC): a Structural Feasibility Study
10:20-10:30	Questions to speakers	
10:30-10:40	Coffee Break	

Session 6: Ferrocement: Mechanical Behavior and Properties

10:40-11:00	A. Abuobeidah, W. Nasreddine, H. Nassif, and W. Wang	Early Age Performance of Fiber Reinforced Ferrocement and UHPC in Flexural Repair of Concrete Beams
11:00-11:20	A. Abuobeidah, D. Ortiz and H. Nassif	Early Age Bond Characteristics of Ferrocement-Concrete Interface under Thermal Curing
11:20-11:40	S. Rajkumar and D. Gopal	Experimental Investigation on Mechanical Properties of Ferrocement with Nano Silica Synthesized from Zeamays
11:40-12:00	Questions to speakers	
12:00-13:00	Lunch Break	

Session 7: Carbon TRC in Structural Applications

13:00-13:20	R. Mansur De Castro Silva and F. De Andrade Silva	Mechanical Behavior of Carbon Textile Reinforced Concrete Beams
13:20-13:40	K. Goliath, D. Cordoso and F. De Andrade Silva	Flexural Creep Behavior of I-Sections Carbon TRC Beams
13:40-14:00	D. Schlueter, S. Uhlemann, and M. Curbach	Multifunctional Carbon Concrete Slabs
14:00-14:20	M. Kimm, M. Sodagar, V. Overhage, & T. Gries	Recycled Carbon Fibers with Improved Surface Characteristics as Reinforcing Material for Fiber Concrete
14:20-14:40	M. Tsegaye, M. El Kadi, T. Adugna, D. Van Hemerlrijck, and T. Tysmans	Mechanical Durability and Performance of Cement Composites Reinforced with Aligned Enset Fibers
14:40-15:00	Questions to speakers of session	
15:00-15:20	Coffee break	

Session 8: Examples of Failures and Repair

15:20-15:40 Keynote	S.P. Shah	Ferrocement: a Personal Perspective
15:40-16:00	S.N. Bonifacio	Construction Failure and Repair of Ferrocement Tanks Used in Waste-Water Treatment Plants
16:00-16:20	E. Tsangouri, D. Aggelis, and D. Linn lii	Revealing the Mixed Mode Failure Under Pull-Out of Masonry Retrofitted by Textile Reinforced Mortar (TRM)
16:20-16:40	P. Saba, T. Honorio, M.O. Ateeq, and F. Bonboudjema	Glass Fiber Reinforced Mortars: Crack Initiation and Propagation Study
16:40-16:50	Questions to speakers	

16:50 -	Break for the day
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Wednesday June 23

Session 9: Studies on TRC

9:00-9:20 am	M. El Kadi, D. Hemelrijck, H. Rahier, and T. Tysmans	Influence of Discrete Spacers and Anchor Length in Long TRC Elements
9:20-9:40	Z. Djamai, A. Si Larbi, and F. Salvatore	A Modified Textile Reinforced Concrete with Phase Change Material
9:40-10:00	N. Ospitia, E. Tsangouri, J. Stiens, A. Pourkazemi, and D. Aggelis	Elastic and Electromagnetic Wave Monitoring of Early Age TRC
10:00-10:20	B. LeporaceGuimil, A. Conforti, G. Plizzari, P.Serna Ros, F. Sonzogni and C. Failla	Effect of Fiber Orientation on the Behavior of RC Beams in Vibrated and Self-Compacting Concrete
10:20-10:40	N. Algourdin, Z. Mesticou and A. Si Larbi	Effect of Surface Treatments on Tensile Strength of Carbon and Basalt Fibers for TRC Applications
10:40-11:00	G. Cai, A. Si larbi, A. Ono, K. Ishibashi	An improved TRC: Preliminary study of tensile properties
11:00-11:10	Questions to speakers	
11:10-11:20	Coffee Break	
Session 10: Summary and Closure		
11: 20-12:00	<ul style="list-style-type: none"> • Si Larbi and H. Nassif: Summary, Thanks and Closure by the Chair • A.E. Naaman: Announcement Ferro-14 and IFS New President 	
12:00-	Au Revoir	