

MSSCE 2016 – Segment Programme



Monday 22/8 2016

Service Life of Cement-Based Materials and Structures - Slot #2

	Session	Paper	Presenter	Chair
22/08 (Mon) Session 1 08.30-10.15 Location: Aud 81	Welcome and WG1 plenary	Welcome and plenary session in Auditorium 81 (see program of slot #1)		
Coffee Break 10.15-10.45				
22/08 (Mon) Session 2 10.45-12.30 Location: Aud 82	Chlorides in concrete I	PREDICTING CHLORIDE INDUCED DEPASSIVIATION AND MINIMUM CONCRETE COVER WITH DIFFERENT BINDERS	Ingemar Löfgren Start: 10.50	Guang Ye
		CHLORIDE DIFFUSION AND BINDING IN HARDENED CEMENT PASTE FROM MICROSCALE ANALYSES	Pietro Carrara Start: 11.10	
		A RISK-BASED MODEL FOR DETERMINING ALLOWABLE ADMIXED CHLORIDE LIMITS IN CONCRETE	David Trejo Start: 11.30	
		MODELLING OF CHLORIDE TRANSPORT IN UNSATURATED CONCRETE: STUDY OF ELECTROCAPILLARY EFFECT	Amiri Ouali Start: 11.50	
		CONDITION ASSESSMENT OF REINFORCED CONCRETE ELEMENTS EXPOSED TO CARBONATION	Samindi Samarakoon Start: 12.10	
Lunch Break 12.30-13.30				
Session 3 13.30-15.00 Location: Aud 82	Chlorides in concrete II	CHLORIDE ION DIFFUSION IN CONCRETE UNDER TENSILE LOAD	Ling Wang Start: 13.35	Sreejith V. Nanukuttan
		MODELLING OF TRANSPORT OF CHLORIDE IONS IN CONCRETE UNDER COMPRESSIVE LOAD	Yin Cao Start: 13.55	
		AVOIDING OVERFITTING IN INVERSE MODELING OF CHLORIDE MIGRATION IN CONCRETE	Neven Ukrainczyk Start: 14.15	
		SERVICE LIFE PREDICTION OF A CEMENTITIOUS COATING SYSTEM BASED ON CHLORIDE-INDUCED CORROSION	Hua Dong Start: 14.35	
Coffee Break 15.00-15.30				

	Session	Paper	Presenter	Chair
22/08 (Mon) Session 4 15.30-17.00 Location: Aud 82	Durability	EVALUATION OF CONCRETE'S RESISTANCE TO PHYSICAL SULFATE SALT ATTACK	Semion Zhutovsky Start: 15.35	David Trejo
		COMPARATIVE ANALYSIS OF COMPRESSIVE STRENGTH AND VOLUME CHANGE FOR DETERMINATION OF SULFATE RESISTANCE OF RAC	Vlastimir Radonjanin Start: 15.55	
		REMAINING SERVICE LIFE OF RAILWAY PRESTRESSED CONCRETE SLEEPERS	Sakdirat Kaewunruen Start: 16:15	
		DEFINITION OF DAMAGE DISTRIBUTION DUE TO INTERNAL EXPANSIVE REACTIONS IN LONG TERM CONCRETE STRUCTURES	Esperanza Menéndez Start: 16:35	

Tuesday 23/8 2016

Service Life of Cement-Based Materials and Structures - Slot #2

	Session	Paper	Presenter	Chair
23/08 (Tue) Session 1 08.30-10.15 Location: Aud 82	SCM and shrinkage	VOLUME STABILITY OF ALKALI ACTIVATED PORTLAND CEMENT CONCRETES WITH ALKALI-SUSCEPTIBLE AGGREGATES	Igor Rudenko Start: 8.35	Aveline Darquennes
		BASIC AND DRYING SHRINKAGE OF INFRASTRUCTURE CONCRETES WITH VARIABLE FLY ASH CONTENT	Anja Klausen Start: 8.55	
		EFFECT OF GRANULATED BLAST FURNACE SLAG ON THE DURABILITY OF SELF COMPACTING CONCRETE IN HOT ENVIRONMENT	Said Kenai Start: 9.15	
		EXPERIMENTAL AND NUMERICAL INVESTIGATION OF DRYING EFFETS ON CONCRETE'S MECHANICAL PROPERTIES	François Soleilhet Start: 9.35	
		COMPARISON OF MEASURED AND PRESCRIBED K-VALUES FOR THE EQUIVALENT PERFORMANCE OF FLY ASH CONCRETE	T. Altuğ Söylev Start: 9.55	
Coffee Break 10.15-10.45				
Session 2 10.45-12.30 Location: Aud 82	Shrinkage	PLASTIC SHRINKAGE CRACKING IN SELF-COMPACTING CONCRETE: A PARAMETRIC STUDY	Faez Sayahi Start: 10.50	Emmanuel Rozière
		MITIGATION OF EARLY AGE SHRINKAGE OF UHPFRC BY USING SPENT EQUILIBRIUM CATALYST	Ana Mafalda Matos Start: 11.10	
		EXPERIMENTAL AND NUMERICAL ANALYSIS OF DRYING SHRINKAGE ON CEMENT-BASED MATERIALS	Marie Malbois Start: 11.30	
		SIZE EFFECT ON THE DRYING SHRINKAGE	Aveline Darquennes Start: 11.50	
		CONCRETE DRYING: EFFECTS OF BOUNDARY CONDITIONS AND SPECIMEN SHAPE	Jérôme Carette Start: 12.10	
Lunch Break 12.30-13.30				
Session 3 13.30-15.00 Location: Aud 81	WG2 plenary	WG2 - Plenary session in Auditorium 81 (see program of slot #1)	-	-
Coffee Break 15.00-15.30				
Session 4 15.30-17.00 Location: Aud 82	SAP's and Self-healing	QUANTIFICATION THE FILLING OF MICROCRACKS DUE TO AUTOGENOUS SELF-HEALING IN CEMENT PASTE	Jiayi Chen Start: 15.35	Mateusz Wyrzykowski
		WATER RELEASE PROCESS OF SUPERABSORBENT POLYMERS IN CEMENT PASTE AT EARLY AGE	Yujiang Wang Start: 15.55	
		BIO-BASED PH-RESPONSIVE SUPERABSORBENT POLYMERS FOR SELF-HEALING CRACKS IN CONCRETE	Arn Mignon Start: 16:15	
		IMPACT OF BIOGENIC SELF-HEALING ADDITIVE ON PERFORMANCE OF CEMENT-BASED MORTAR	Ali Amiri Start: 16:35	
Conference Dinner 17.30-22.00				

Wednesday 24/8 2016

Service Life of Cement-Based Materials and Structures - Slot #2

	Session	Paper	Presenter	Chair
24/08 (Wed) Session 1 08.30-10.15 Location: Aud 82	Corrosion	MULTIDEPTH CORROSION MONITORING SYSTEM EVALUATION AND APPLICATION	Dalibor Sekulic Start: 8.35	Luping Tang
		SENSITIVITY ANALYSIS FOR PREDICTION OF CORROSION INITIATION BY CARBONATION	Van Loc Ta Start: 8.55	
		EXPERIMENTAL STUDY OF CORROSION-INDUCED DEGRADATION OF REINFORCED CONCRETE ELEMENTS	Olfa Loukil Start: 9.15	
		COUPLING LIMIT STATES OF CORROSION INITIATION AND CORROSION INDUCED CRACK OPENING – SENSITIVITY ANALYSIS OF MODEL PARAMETERS	Miguel Ferreira Start: 9.35	
		INFLUENCE OF FIBRE REINFORCEMENT ON THE INITIATION OF CORROSION-INDUCED CRACKS	Carlos G. Berrocal Start: 9.55	
Coffee Break 10.15-10.45				
Session 2 10.45-12.30 Location: Aud 82	Structural behaviour	SOME EXAMPLES ON SHRINKAGE RESTRAINT EFFECTS ON CONCRETE AND CONCRETE STRUCTURES	Farid Benboudjema Start: 10.50	Dirk Schlicke
		CONTROL OF EARLY AGE CRACKING IN A MASSIVE TUNNEL STRUCTURE BASED ON EXPERIMENTAL INVESTIGATIONS AND NUMERICAL SIMULATIONS	Wibke Hermerschmidt Start: 11.10	
		HARDENING INDUCED STRESSES IN VERY THICK CONCRETE MEMBERS – INSIGHTS FROM COMPREHENSIVE FE-STUDIES	Peter Joachim Heinrich Start: 11.30	
		INFLUENCE OF RESTRAINED SHRINKAGE IN RC BUILDING SLABS: A CASE STUDY	Carlos Sousa Start: 11.50	
		EXPERIMENTAL INVESTIGATION ON STRAIN DISTRIBUTION IN REINFORCEMENT OF RC SPECIMENS UNDER TENSION LOADING	Gintaris Kaklauskas Start: 12.10	
Lunch Break 12.30-13.30				

	Session	Paper	Presenter	Chair
24/08 (Wed) Session 3 13.30-15.00 Location: Aud 82	Design	SERVICE LIFE DESIGN AND ASSESSMENT FOR CONCRETE STRUCTURES IN HZM SEA LINK PROJECT FOR 120 YEARS	Kefei Li Start: 13.35	Miguel Azenha
		A NEW ANALYTICAL APPROACH IN MODELLING OF CRACKING OF RC MEMBERS	Gintaris Kaklauskas Start: 13.55	
		DEVELOPING AN ENGINEERING APPROACH FOR MIGRATING FROM PRESCRIPTIVE TO PERFORMANCE-BASED SPECIFICATION FOR CONCRETE	Sreejith Nanukuttan Start: 14.15	
		CRACK WIDTH CONTROL – VERIFICATION OF THE DEFORMATION COMPATIBILITY VS. COVERING THE CRACKING FORCE	Dirk Schlicke Start: 14.35	
Coffee Break 15.00-15.30				
Session 4 15.30-17.00 Location: Aud 82	WG3 plenary	WG3 - Plenary session	WG3 Leaders	Core group of COST TU1404
		Closing of event	Stéphanie Staquet	
		MC Meeting (16h00m – 17h00m)	-	