XIV DBMC CONFERENCE, GHENT, Sunday 28-Wednesday 31 May 2017 (DRAFT PROGRAMME version 2017-05-05 / Please note that changes can be made before the start of the conference)

Start	time End time	Sunday, 28 May 2017
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16	00 18:00	Registration
18	00 10:00	Welcome recention

For each presentation, reference is made to the corresponding page number in the proceedings. Please note that this is only a draft programma. Changes can be made before the start of the conference. The conference organizers are not responsible for any issues resulting from changes made to this programme. Participants should regularly check for programme changes. All travel arrangements made by the conference participants are to be made on a personal basis. The conference organizers take no responsibility in this respect. During the conference, the organizers take no responsibility to personal belongings of participants. As the conference venue is a public area, participants should take proper precaution for personal belongings.

Room colour code	Registration and exhibition area (ground floor)

Conference venue: "Het Pand", Onderbergen 1, 9000 Gent

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## **Supporting Organization**



Start time | End time | Monday, 29 May 2017

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Color   Colo	9:00	9:30		Opening session (Chair: DE SCHUTTER Geert, VAN DEN BOSSCHE Nathan)	
Section M.) Provide Country of members designed in control (1997)   Provided Country of the Country of Count	9:30	10:00	Plenary lecture	1A: 3D printed concrete - beyond durability? / SALET Theo (p.3) (Chair: DE S	CHUTTER Geert)
Court of Notice   Court of N	10:00	10:30			
1.10   1.10			(10:30) (Keynote) Improving the quality of various types of recycled aggregates by biodeposition / DE BELIE Nele, WANG Jianyun, GARCÍA-GONZÁLEZ Julia, RODRÍGUEZ ROBLES Desirée, VANDEYLYEKE Brecht, VANHESSCHE Sam, BOON Nico, SCHOON Joris and JUAN-VALDÉS Andrés	(Chair: DAN/OTTI Bruno)  (10:30) (Keynote) Design and service life prediction concept for timber structures - Part 1 : A factorization approach based on dose-response models / BRISCHKE Christian, MEYER-VELTRUP Linda, FRÜHWALD HANSSON	JANSSENS Arnold) (10:30) (Keynote) Airflows behind insulated modules attached to façades of old buildings. Combined effects on U-value and drying out of rain water /
1930 133 (Author Date, March 2014) (Author Sealer) (Author Sea			(11:00) Microstructure and permeability of glass waste of concrete in the marine environment / CHAÏD Rabah, PERROT Arnaud and MERIDA Hacène	Part 2 : Climate effects / BRISCHKE Christian, NIKLEWSKI Jonas, FRÜHWALD	(11:00) The accomplishment of Portugese thermal code exigencies in old housing buildings' interventions / RAMOS Ana and SILVA J. Mendes (p.51)
Selected a service spagementary connections are consistent of the control of the			CANTERO Blas, SÁEZ DEL BOSQUE Isabel F., MATÍAS Agustín, SÁNCHEZ DE ROJAS María Isabel and MEDINA César (p.117)	time of wetness / VAN ACKER Joris, VAN DEN BULCKE Jan, DE WINDT Imke and DE BOEVER Lieven (p.299)	
11.4.5) The said of recording of construction waste located the said of processing of construction waste located the said of construction and said construction. An experiment of the said	10:30		sediments as a novel supplementary cementitious material / VAN BUNDEREN Céline, SNELLINGS Ruben, HORCKMANS Liesbeth, DOCKX Joris, VANDEKEYBUS Jos, VAN BALEN Koenraad, VANDEWALLE Lucie and CIZER		perform HAM simulations / DE BACKER Lien, VAN DEN BOSSCHE Nathan ,
minutarial control / CODIO Name C. CODIO Control (1970). Service of the control o			(11:45) Value-added recycling of construction waste wood into water repellent and fire resistant cement-bonded particleboards / WANG Lei,	the service life of 55% Al-Zn Alloy-Coated Steel, low-slope, standing seam	(11:45) Parametrical Analysis of Stone Consolidation Actions / BRAUN Franziska and ORLOWSKY Jeanette (p.57)
Institute   Inst			structural concrete / DODDS Wayne, GOODIER Chris, AUSTIN Simon,		conservation and fruition: a case study / DE FINO Mariella, SCIOTI Albina,
Session MS / There & Devalting of manages, puttern and components (Control ARAC Chains 1980A-1980A) Wilder Manages and SHI Clayin (2.139) [Insperated Proposal and an extract properties of inspiration control related to the properties of the properties of inspiration control related to the properties of inspiration			hydrated cementitious systems / VILLAGRÁN-ZACCARDI Yury, EGUEZ ÁLAVA	thermal properties after 20 years ? / LANGMANS Jelle and ROELS Staf	(12:15) Effect of moisture on delamination of glued laminated timber / MATSUMOTO Yumi and NOGUCHI Takafumi (p.289)
Concrete   ASH ACRI (Chain PSOMA-PSOMIJON Violos)   (Chain PASSET Calliame)   (Chain PASSET Ca	12:30	13:30		Lunch	
Discognose de SH Calpin (p.129)  Segregate equaced to natural and accelerande carbonation (PASETT MURICIAN MORPH SEAL NUCLEAR NEODE, REMARKATION FORMING, MAN PROMISE AND MAN			/ Concrete / ASR-ACR (Chair: BOKAN-BOSILJKOV Violeta)	(Chair: HABERT Guillaume)	Session M6 / Theme C. Building pathology (Chair: HAGENTOFT Carl-Eric)
Salhin and WA 73L (Gebon (p.13)  (p.34)  (p.34				aggregate exposed to natural and accelerated carbonation / HABERT Guillaume, MARINKOVIĆ Snežana, BRUMAUD Coralie, IGNJATOVIĆ Ivan,	(13:30) (Keynote) Isopleth ranges for a better understanding of wood decay / HOFBAUER Wolfgang Karl, KRUEGER Nicole, RENNEBARTH Thorsten and MAYER Florian (p.65)
inforcement concrete prima implemented to the accelerated tests at 60°C (WALLAU Willing, PREMARY Sephish) (WALNA Explains and microcomment concrete interface with X-ray completed tomorgaphy) (a) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2			Salhin and VAN ZIJL Gideon (p.131)	reinforced concrete / SOUTO-MARTINEZ Adriana and SRUBAR Wil V. III (p.343)	
Recides from the incineration of non-hazardous waste on Strength and Alaka Silica Reaction (JOSPH) Ancest May, DOLEE Books, VAN DOLE MINES, VA			concrete prisms implemented to the accelerated test at 60°C / WALLAU Wilma, PIRSKAWETZ Stephan, VOLAND Katja, WEISE Frank, MENG Birgit (p.133)	powder concrete / AL-AYISH Nadia, MUELLER Urs, MALAGA Katarina and GUDMUNDSSON Kjartan (p.345)	reinforcement-concrete interface with X-ray computed tomography and acoustic emission / VAN STEEN C., ROEDEL H., WEVERS M. and VERSTRYNGE E. (p.69)
APPELQUST Karin, TRAGARDH Jan and WUELER Urs (p. 137)   bending / MINNESD Pieter, VAN TITLEBOOM Kim, DE BELE Nele and VAN   Club City Committed   Club City City City City City City City City	13:30	15:45	Residues from the incineration of non-hazardous waste on Strength and Alkali Silica Reaction / JOSEPH Aneeta Mary, DOLCE Rosaida, VAN DEN HEEDE Philip, SNELLINGS Ruben, VAN BRECHT Andres, GRÜNEWALD	ZUBIANI Elena Maria, GIANI Martina Irene, GALLO STAMPINO Paola,	analysis / ALMEIDA Ricardo M.S.F., BARREIRA Eva and BROCHADO João
between the alkali-slicic reaction development and the material microstructure (FARMIN MIXOR (MONGCXY March) (FASVENTO Francesco, MARCINIAA Ralic) and GAWIN Danus (p.139)  [15:15] A reside of GAWIN GAWIN (MONGCXY March) (FASVENTO Francesco, MARCINIAA Ralic) and GAWIN Danus (p.139)  [15:15] A reside of GAWIN GAWIN (MONGCXY March) (MARCH) (MARCH) (MARCINIAA Ralic) and GAWIN Danus (p.139)  [15:15] A reside of Gawin (March) (MARCH) (MARCINIAA Ralic) (MARCH) (MARCINIAA Ralic) (MAR			APPELQUIST Karin, TRÄGÅRDH Jan and MUELLER Urs (p.137)	bending / MINNEBO Pieter, VAN TITTELBOOM Kim, DE BELIE Nele and VAN HEMELRIJCK Danny (p.349)	
transport phenomena in cement based materials / LIU Qing-feng, LI Long- yuan, XIA Jin and FENG Gan-lin [p.141]    Ministry   Peter   CASPELE Robby, CRAFYE Bart, DE SCHUTTER Geert, DE   PAUW Peter and DOOMS Strain [p.141]   Paul Peter   CASPELE Robby, CRAFYE Bart, DE SCHUTTER Geert, DE   PAUW Peter and DOOMS Strain [p.141]   Signature   Paul Peter   Paul Peter   Paul Peter   Paul Peter			between the alkali-silica reaction development and the material microstructure / GRYMIN Witold, KONIORCZYK Marcin, PESAVENTO Francesco, MARCINIAK Alicja and GAWIN Dariusz (p.139)	freezing-thawing and drying-immersion attack / WANG Dezhi, MENG Yunfang and ZHOU Xiangming (p.351)	the Old City Centre of Viseu / SILVA J. Mendes and MOURAZ Catarina P. (p.75)
woodship compound board introducing stimulating agent of seawater in disaster situation / TAMURA Masaki and SAYAMA Shunsuke (p. 291)  15:45 16:15 Coffee  Plenary Lecture 1B: Advanced high-resolution X-ray CT as a characterization tool to study building materials / CNUDDE Veerle (p. 5) (Chair: DE BELIE Nele)  Poster session with drinks  Measurement of materials emissivity using an emissometer: Influence of variations in the procedure / BARREIRA E., SIMÖES M.L. and PEREIRA A. (p. 41) Analysis of different frost indexes and their potential to assess frost based on HAM simulations / CALLE Klass and VAN DEN DOSSCHE Nathan (p. 61) Analysis of different frost indexes and their potential to assess frost based on HAM simulations / CALLE Klass and VAN DEN DOSSCHE Nathan (p. 61) Analysis of different frost indexes and their potential to assess frost based on HAM simulations / CALLE Klass and VAN DEN DOSSCHE Nathan (p. 61) Analysis of concent collimatic Characteristics as a Deliance of Calle Market Characteristics as a Deliance of Calle Market Characteristics as a Deliance of Calle Called Market Characteristics as a Deliance of Called Market Characteristics and Called Market Characteristics of Called Market Characteristics o			transport phenomena in cement based materials / LIU Qing-feng, LI Long-	ageing factor according to the chloride ingress model described in the fib bulletin 34 applied to Belgian concrete mixtures / DE WINTER Liesbet, MINNE Peter, CASPEELE Robby, CRAEYE Bart, DE SCHUTTER Geert, DE	(15:15) Influence of height from the ground in the vertical salinity distribution of marine aerosol / MEIRA Gibson and PINTO Wladimir (p.25)
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Measurement of materials emissivity using an emissometer: influence of variations in the procedure / BARREIRA E., SIMÖES M.L. and PEREIRA A. (p.41) Analysis of different frost indexes and their potential to assess frost based on HAM simulations / CALLE Klaas and VAN DEN BOSSCHE Nathan (p.61) Analyzing the Local Climatic Characteristics of Deterioration Reason in Buildings / GÜZELQDBAN MAYUK Seben and GZTÜKR Selin (p.77) Improvement in Compressive Strength of Internally Deteriorated Timber / GOROMARU Shuhel, OHTSUKA Akiko, IMAMOTO Kei-chi and KIYOHARA Chizuru (p. 107) Investigation of Concrete Mixtures for the Concrete Cover Repairs of RC Square Columns / ORETA Andres Winston, DEL CASTILLO Anna Francesca, TAN Romwell Louis and CORNEJO Sarah Linette (p.109) Performance evaluation of polymer modified cement mortars at elevated temperatures / RAJENDRAN Aswathy and GETTU Ravindra (p. 167)  Effect of additions on binder durability / MEDINA César, ASENSIO Eloy, MEDINA Gabriel, MEDINA José Maria, RIVERA Julián, FRÍAS Moisés and SANCHEZ DE ROJAS Maria Isabel (p.169) Mechanism of pulverized fuel ash and CO2 curring to improve their registrance of magnesium oxychloride cement, HP Enipping, POON Chi Sun and TSANG Daniel C.W (p.171) Durability of PTE-coated glass fabric for architectural membrane structures / TOYODA Hiroshi, ABE Kazuhiro and MOTOHASHI Kenji (p.333)  Consequences of an adjusted slip layer thickness for the hardened properties of UHPC / VAN DER PUTTEN Jolien, LESAGE Karel and DE SCHUTTER Genet (p.247)  Yantra : A lattice Boltzmann method based simulation tool for modelling physico-chemical processes in concrete at different spatial scales / PATEL Ravi A., PERKO Janez and JACQUES Diederik (p.335)  Evaluation of carbon emission for quantification of environmental load on structural wood products in Korea / CHANG Yoon-Seong, KIM Sejong and SHIM Kug-Bo (p.379)  Studies on the evolution of alkids ilicate eria a simulated alkalis-licalic aeaction system / CHENG Kunnepa, BARDAESENS Peter, DE SCHUTTER Geert (p. 263)				Poster session with drinks	
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Improvement in Compressive Strength of Internally Deteriorated Timber / GOROMARU Shuhei, OHTSUKA Akiko, IMAMOTO Kei-ichi and KIYOHARA Chizuru (p.107) Investigation of Concrete Mixtures for the Concrete Cover Repairs of RC Square Columns / ORETA Andres Winston, DEL CASTILLO Anna Francesca, TAR Romwell Louis and CORNEJO Sarah Linette (p.109) Performance evaluation of polymer modified cement mortars at elevated temperatures / RAIENDRAN Aswathy and GETTU Ravindra (p.167)  Effect of additions on binder durability / MEDINA César, ASENSIO Eloy, MEDINA Gabriel, MEDINA José Maria, RIVERA Julián, FRIAS Moisés and SANCHEZ DE ROJAS Maria Isabel (p.169) Mechanism of pulverized fuel ash and CO2 curing to improve the water resistance or magnesium oxychrioride cement, I/He Pingping, POON Chi Sun and TSANG Daniel C.W (p.171) Durability of PTE-coated glass fabric for architectural membrane structures / TOYODA Hiroshi, ABE Kazuhiro and MOTOHASHI Kenji (p.333)  Consequences of an adjusted slip layer thickness for than Handened properties of UHPC / VAN DER PUTIEN Jolien, LESAGE Kazel and DE SCHUTTER Genet (p. 247)  Yantra: A lattice Boltzmann method based simulation tool for modelling physico-chemical processes in concrete at different spatial scales / PATEL Ravi A., PERKO Janez and JACQUES Diederik (p.335)  Evaluation of carbon emission for quantification of environmental load on structural wood products in Korea / CHANG Yoon-Seong, KIM Sejong and SHIM Kug-Bo (p.379)  Studies on the evolution of alkalis silicate eria a simulated alkilas-lisica reaction system / ZHENG Kunpeng, BORRIANENSEN SPECE, DE SCHUTTER Genet, fte Quang, TAERWE Luc (p.143)  Construction technologies and systems of shelters and temporary houses for improving the living environment for people with pets in disaster situations / KANEMAKI Tomoko and TAMURA Masaki (p.337)  Dynamic Vapour Sorption — A versatile technique for materials characterization / SUBRAMANIAN Naclal, NADERI Majid, KONDOR Anett, ACHARYA Manaswin, CATTANEO Damiano and BURNETT Daniel (p.45)  Robus			Analyzing the Local Climatic C	haracteristics as a Deterioration Reason in Buildings / GÜZELÇOBAN MAYUK	Seher and ÖZTÜRK Selin (p.77)
Performance evaluation of polymer modified cement mortars at elevated temperatures, PALENDRAM Aswarthy and GETTU Ravindra (p.167)  Effect of additions on binder durability / MEDINA Gesar, ASENSIO Eloy, MEDINA Gabriel, MEDINA José María, RIVERA Julián, FRÍAS Moisés and SÁNCHEZ DE ROJAS María Isabel (p.169)  Mechanism of pulverized fuel ash and CO2 curing to improve the water resistance of magnesium oxychloride cement / HE Pingping, POON Chi Sun and TSANG Daniel C.W (p.171)  Durability of PTF-Coated glass fabric for architectural membrane structures / TOYODA Hiroshi, ABE Kazuhiro and MOTOHASHI Kenji (p.333)  Consequences of an adjusted slip layer thickness for narchitectural membrane structures / TOYODA Hiroshi, ABE Kazuhiro and MOTOHASHI Kenji (p.333)  Consequences of an adjusted slip layer thickness for narchitectural membrane structures / TOYODA Hiroshi, ABE Kazuhiro and MOTOHASHI Kenji (p.333)  Consequences of an adjusted slip layer thickness for narchitectural membrane structures / TOYODA Hiroshi, ABE Kazuhiro and MOTOHASHI Kenji (p.334)  Yantra: A lattice Boltzmann method based simulation tool for modelling physico-chemical processes in concrete at different spatial scales / PATEL Ravi A., PERKO Janez and JACQUES Diederik (p.335)  Evaluation of carbon emission for quantification of environmental load on structural wood products in Korea / CHANG Yoon-Seong, KIM Sejong and SHIM Kug-80 (p.379)  Studies on the evolution of alkalis ilicate in a simulated alkalis-ilicate reaction system / ZHENG Kumpeng, ADRIAENSENS Peter, DE SCHUTTER Geert, (p. 60,379)  Studies on the evolution of alkalis ilicate in a simulated alkalis-ilicate reaction system / ZHENG Kumpeng, ADRIAENSENS Peter, DE SCHUTTER Geert, (p. 60,379)  Dynamic Vapour Sorption – A versatile technique for materials characterization / SUBRAMANIAN Nachal, NaDERI Majdi, KONDOR Anett, ACHARYA Manaswini, CATTANEO Damiano and BURNETT Daniel (p. 43)  Inverse Gas Chromatography as a tool for studying solid surfaces / SUBRAMANIAN Nachal, NADERI Majdi, KONDOR Anett, A			Improvement in Compressive Strength of I	nternally Deteriorated Timber / GOROMARU Shuhei, OHTSUKA Akiko, IMAM	OTO Kei-ichi and KIYOHARA Chizuru (p.107)
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18:00  Yantra: A lattice Boltzmann method based simulation tool for modelling physico-chemical processes in concrete at different spatial scales / PATEL Ravi A, PERKO Janez and JACQUES Diederik (p.335)  Evaluation of carbon emission for quantification of environmental load on structural wood products in Korea / CHANG Yoon-Seong, KiM Sejong and SHIM Kug-Bo (p.379)  Studies on the evolution of alkali silicate in a simulated alkali-silica reaction system / ZHENG Kunpeng, ADRIAENSENS Peter, DE SCHUTTER Geert, YE Guang, TAERWE Luc (p.143)  Construction technologies and systems of shelters and temporary houses for improving the living environment for people with pets in disaster situations / KANEMAKI Tomoko and TAMURA Masaki (p.337)  Dynamic Vapour Sorption – A versatile technique for materials characterization / SUBRAMANIANI Nachal, NADERI Majid, ACHARYA Manaswini, CATTANEO Damiano and BURNETT Daniel (p.43)  Inverse Gas Chromatography as a tool for studying solid surfaces / SUBRAMANIANI Nachala, NADERI Majid, KONDOR Anett, ACHARYA Manaswini and BURNETT Daniel (p.43)  Robustness as tool to interprove the durability of self-compacting concrete / VAN DER VURST Farid, LESAGE Karel, VANTOMME; John, VANDEWALLE Lucia end De SCHUTTER Geert (p.249)  Casting concrete structures in a smarter wary / DE SCHUTTER Geert, LESAGE Karel, LECHEIKH Khadija, LESAGE Karel, LECHEIKH Khadija, and De SCHUTTER Geert (p.253)  AJUSTIC gonzer fer holder of concrete – current status / DE SCHWYVER Robin, LESAGE Karel, LECHEIKH Khadija, and DE SCHUTTER Geert (p.255)  Interactions between Cement and Combined Concrete Admixtures / LESAGE Karel, VANDEWALLE Lucie, DE SCHUTTER Geert (p.257)  Distinct protocols to measure dynamic and static yield stress of fresh cement mortars / CIAN Ye, KAWASHIMA Shiho (p.256)  Assessing Mortar Extrudability through the Jolting Test / LEGAGE Karel, VANDERBECHET TOMAS, DE SCHUTTER Geert (p.261)			Durability of PTFE-coated glass	fabric for architectural membrane structures / TOYODA Hiroshi, ABE Kazuhir	o and MOTOHASHI Kenji (p.333)
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Start time | End time | Tuesday, 30 May 2017

8:00	8:30	Session T1 / Theme E. Durability of materials, systems and components /	Registration  Session T2 / Theme F. Service life analysis and prediction methodologies	Session T3 / Theme A. Building physics and durability (Chair: PEIXOTO DE
		Concrete / AAM (Chair: SNELLINGS Ruben)	(Chair: BERTRON Alexandra)	FREITAS Vasco)
		(8:30) (Keynote) Mineralogical stability of Metakaolin-based alkali-activated cements / GEVAUDAN Juan Pablo, CAMPBELL Kate M., KANE Tyler J.,	models for service life predictions of concrete structures / PATEL Ravi A.,	(8:30) (Keynote) An Approach to Assessing the Long-term Performance of Wall Assemblies – Durability of Low-rise Wood-frame walls / LACASSE
		SHOEMAKER Richard K. and SRUBAR Wil V. III (p.173) (9:00) An experimental investigation of hardness and pore structure of low-	PERKO Janez and JACQUES Diederik (p.309) (9:00) Effect of curing temperatures on the formation factor of capillary	Michael A. and MORELLI Martin (p.17)  (9:00) Hygrothermal simulation and evaluation of frost risk of masonry
		calcium fly ash cement paste internally alkali activated using roof tile waste	pore structure in cement paste / NAITO Daisuke and IGARASHI Shin-ichi	walls subjected to inside insulation retrofitting / ZHOU Xiaohai, DEROME
		aggregate / BUI Phuong Trinh, OGAWA Yuko, NAKARAI Kenichiro and KAWAI Kenji (p.175)	(p.311)	Dominique and CARMELIET Jan (p.19)
8:30	10:00	(9:15) Use of fired-clay brick waste as supplementary cemenitious material and alkali-activated cement: influence on alkali-aggregate reaction /	(9:15) Innovation in Air-Permeability NDT: Concept and Performance / TORRENT Roberto and SZYCHOWSKI Julio (p.313)	(9:15) An evaluation on preventing delamination of exterior tiles / FUNAKOSHI Kie and NACHI Hiroshi (p.21)
		GUILLANTE Patricia, KULAKOWSKI P. Marlova and MANCIO Mauricio	Total Nobel County Service (p.515)	. Orbital State and total massin (p.22)
		(p.177) (9:30) Recent studies on durability of alkali-activated materials / ZHANG	(9:30) Porosity and mineral textures in imperial Roman wall concrete,	(9:30) Study of carbonation progress prediction on existing reinforced
		Jian, SHI Caijun, LI Ning, JIANG Lei and OU Zhihua (p.179)	Markets of Trajan, Rome / JACKSON Marie, ZHANG Yi, CHEN Heng and MOON Juhyuk (p.315)	concrete buildings with variations in surface mortar layer / SATO Sachie and MASUDA Yoshihiro (p.23)
		(9:45) A study on the passive state stability of steel embedded in alkali	(9:45) Interaction between microorganisms and cementitious materials in	(9:45) Results of an European FP7 project - Microbial performance of "ECO-
		activated slag mortars / CRIADO Maria, MUNDRA Shishir, BERNAL Susan A., and PROVIS John L. (p.181)	sewer pipe conditions / GRANDCLERC Anaïs, GUEGUEN-MINERBE Marielle, NOUR Issam, CHAUSSADENT Thierry and DANGLA Patrick (p.317)	innovative, Safe and Energy Efficient materials for a healthier indoor environment" / HOFBAUER Wolfgang Karl, KRUEGER Nicole, NAGELE-RENZL
				Anna and MAYER Florian (p.37)
10:00	10:30		Coffee	
10:30	11:00		t for purpose selection of wood materials / VAN ACKER Joris (p.7) (Chair: VAN	
		Session T4 / Theme E. Durability of materials, systems and components / Concrete / Corrosion (Chair: SIDERIS Kosmas)	Session T5 / Theme G. Durability, LCA and sustainable construction (Chair: NOGUCHI Takafumi)	Session T6 / Theme A. Building physics and durability (Chair: LACASSE Michael)
		(11:00) (Keynote) Study on corrosion durability with electrochemical tests of GGBS/Portland blends activated by chlorides / SALESSES Bernard,	(11:00) (Keynote) SEACON Project: sustainable concrete using seawater, salt-contaminated aggregates, and non-corrosive reinforcement / BERTOLA	(11:00) (Keynote) A new test standard to evaluate the watertightness of window-wall interfaces / ARCE RECATALÁ María, GARCÍA MORALES
		PATAPY Cédric, STEGER Laurent, DEBY Fabrice and CYR Martin (p.183)	Federica, GASTALDI Daniela, CANONICO Fulvio and NANNI Antonio (p.353)	Soledad and VAN DEN BOSSCHE Nathan (p.27)
		(11:30) Corrosion Threshold Value of Chloride and Sulphate in Simulated	(11:30) Freeze-thaw durability of recycled concrete from construction and	(11:30) Development of experimental methods to evaluate infiltration of
		Concrete Pore Solution / LIU Guojian, HUANG Ran and ZHANG Yunsheng (p.187)	demolition wastes / JUAN-VALDÉS Andrés, RODRÍGUEZ-ROBLES Desirée, GARCÍA-GONZÁLEZ Julia, MORÁN-DEL POZO Julia M., GUERRA-ROMERO M.	wind-driven rain into external thermal insulation composite systems (ETICS) / MOLNÁR Miklós, JÖNSSON Johan and ROSENKVIST Per-Olof (p.29)
		(p.107)	Ignacio and DE BELIE Nele (p.355)	/ Midelyan Milkios, Johasson Johan and Rosenkolst Petroloi (p.25)
11:00	12:30	(11:45) Sodium chloride ingress into OPC concrete subjected to	(11:45) Performance studies of self-compacting concrete by using nano-	(11:45) Experimental and numerical analysis of the hygrothermal behaviour
12.30		compressive stress / EGUEZ ÁLAVA Hugo, DE BELIE Nele and DE SCHUTTER Geert (p.189)	silica along with superabsorbent polymer / KHAN Asis Kumar and GOEL	of ventilated cavity wall used for external insulation / BENDOUMA Mathieu, COLINART Thibaut and GLOUANNEC Patrick (p.31)
			Rajeev Kumar (p.357)	" ·
		(12:00) Evolution of carbonation rate in concrete under frost attack / MARCINIAK Alicja, GRYMIN Witold, MARGIEWICZ Tomasz and KONIORCZYK	(12:00) Use of copper slag with magnetized water in concrete for sustainable development / WANJARI Swapnil and PATEL Brijhban (p.359)	(12:00) Analysis of mould growth models and influence of the hygrothermal properties / COLINART Thibaut, BENDOUMA Mathieu and GLOUANNEC
		Marcin (p.191)		Patrick (p.33)
		(12:15) Natural and accelerate carbonation in concretes with rice husk ash and recycled concrete aggregate: relationship with water absorption and	(12:15) Effect of pumice on frost durability of self-compacting concrete / YÜCEL Hasan Erhan, ÖZ Hatice Öznur and GÜNEŞ Muhammet (p.121)	(12:15) Tape as a means to ensure air- and watertightness of building joints experimental assessment / VAN LINDEN Stéphanie, MAROY Katrien,
		mechanical strength / SARTORI Bruno, HENTGES Tatiane, KULAKOWSKI	, , , , , , , , , , , , , , , , , , , ,	STEEMAN Marijke and VAN DEN BOSSCHE Nathan (p.35)
		Marlova, KAZMIERCZAK Cláudio and MANCIO Maurício (p.193)		
12:30	13:30		Lunch	
		Session T7 / Theme E. Durability of materials, systems and components / Concrete / Self-healing (and cleaning) (Chair: MAURY Anibal)	Session T8 / Theme D. Diagnosis, repair, and maintenance (Chair: JOHANSSON Pär)	Session T9 / Theme E. Durability of materials, systems and components / Non-cementitious materials (Chair: MØLLER Eva B)
		(13:30) (Keynote) Influence of the curing period of encapsulated	(13:30) (Keynote) Applicability of non/minor destructive test methods for	(13:30) (Keynote) Evaluation of Ceramic Tiles on Façades – Case Study /
		polyurethane precursor on the capillary water absorption of cracked	evaluation of material properties of existing timber structures /	FREITAS Vasco Peixoto de, FERREIRA Cláudia, FREITAS Sara S. de and SILVA
		mortar with self-healing properties / VAN DEN HEEDE Philip, VAN BELLEGHEM Bjorn, ALDERETE Natalia, VAN TITTELBOOM Kim and DE BELIE	MINAMIKAWA Takaaki, OHTSUKA Akiko , IMAMOTO Kei-ichi and KIYOHARA Chizuru (p.81)	Luís Pedro (p.265)
		Nele (p.197) (14:00) Use of encapsulated healing agents to limit water uptake through	(14:00) Maintenance of buildings supported by BIM methodology /	(14:00) Determination of wear and material properties of surface
		cracks in mortar / VAN BELLEGHEM Bjorn, VAN TITTELBOOM Kim and DE	SAMPAIO Zita and SIMOES Diogo (p.83)	protection systems for car parks / LADNER Eva-Maria and BREIT Wolfgang
		BELIE Nele (p.199) (14:15) Self-healing of concrete cracks by the release of embedded water	(14:15) Assessment of Nanostructured Inorganic Consolidants Used in	(p.267) (14:15) The assessment over time of the performance of jute-basalt hybrid
		repellent agents and corrosion inhibitors to reduce the risk for reinforcement corrosion / VAN TITTELBOOM Kim, KESSLER Sylvia, DE	Stone Conservation Practice / TAVUKÇUOĞLU Ayşe, CANER-SALTIK Emine, GÜNEY Alp, KARAHAN DAĞ Fulya, ÇETİN Özlem, EROL Fatma, MISIR Çağkan	composites for cladding panels / ENEA Daniele, ALAIMO Giuseppe, FIORE Vincenzo, SCALICI Tommaso, BADAGLIACCO Dionisio and VALENZA
		MAESSCHALCK Claudia, VAN BELLEGHEM Bjorn, VAN DEN HEEDE Philip and		Antonino (p.269)
13:30	15:30	DE BELIE Nele (p.201) (14:30) Evaluation of the performance of self-healing concrete at small and	(14:30) Predictive maintenance for monitoring performance decay of	(14:30) Puncture and impact resistance of single-ply roofing membranes /
		large scale under laboratory conditions / GRUYAERT Elke, DEBBAUT Brenda, KAASGAARD Martin, ERNDAHL SØRENSEN Henrik, PELTO Jani, BRANCO	plaster coverings according to the criteria of ISO 15686-7 code / NICOLELLA Maurizio, SCOGNAMILLO Claudio and PINO Alessio (p.87)	
		Vanda, MALM Fabian, GROSSE Christian, PRICE Eric, KRÜGER Markus and	INIAUTZIO, SCOGNAINTEEO CIAUGIO ATU PINO ATESSIO (D.87)	
		DE BELIE Nele (p.203) (14:45) Microstructure alteration of PC-GGBS mortars by superabsorbent	(14:45) Dynamic facility condition index calculation for asset management /	(14:45) Evolution of leached denth of cement asphalt mortar with time in
			MALTESE Sebastiano, DEJACO Mario Claudio and RE CECCONI Fulvio (p.89)	ammonia nitrate solution /WANG Yong, YUAN Qiang , DENG Dehua, XIE
		(15:00) Internal curing of cement pastes by superabsorbent polymers	(15:00) Reinstallation of Salvaged Historic Terra Cotta / GERNS Edward and	Youjun and FANG Lei (p.273) (15:00) Understanding accelerated UV, field, and thermal aging of
		studied by means of neutron radiography / SNOECK Didier, ALDERETE	KARRELS Chelsea (p.91)	thermoplastic roofing membranes / XING Linlin and PIERCE Helene Hardy
		Natalia, VAN BELLEGHEM Bjorn, VAN DEN HEEDE Philip, VAN TITTELBOOM Kim and DE BELIE Nele		(p.275)
		(p.207) (15:15) Durability of UHPC for façade elements with self-cleaning surfaces /	(15:15) Materials analyses guiding for repairs in conservation: An Historical	(15:15) Durability of waterborne liquid applied roof waterproof coatings /
		FONTANA Patrick, QVAESCHNING Dirk and HOPPE Johannes (p.209)	Bath Structure "Yeni Hamam" in Sivrihisar, Turkey / MADANI Nigar, EROL	VYÖRYKKÄ Jouko, SZEWCZYK Janah, IMBESI Philip and MIOTTO Cristina
			Fatıma, ÇETİN Özlem, MISIR Çağkan Tunç, TAVUKÇUOĞLU Ayşe, SALTIK Emine Caner and GÜNEY Alp (p.93)	(p.277)
15:30	16:00		Coffee	
16:00	16:30	Plenary lecture 2B : A novel approach	towards conservation of the world heritage RC building in Japan / IMAMOTC	D Kei-ichi (p.9) (Chair: JANSSENS Arnold)
		Session T10 / Theme E. Durability of materials, systems and components / Concrete / Attack (Chair: BAROGHEL-BOUNY Véronique)	Session T11 / Theme D. Diagnosis, repair, and maintenance (Chair: CRAEYE Bart)	Session T12 / Theme E. Durability of materials, systems and components / Non-cementitious materials (Chair: SJÖSTRÖM Christer)
		(16:30) (Keynote) A new model approach describing the decisive role of	(16:30) (Keynote) Design of UHPC-AAC light-weight composite façade	(16:30) (Keynote) A review of recent advances on durability of FRP-
		acidophilic bacteria on concrete corrosion in sewers / GRENGG Cyrill, MITTERMAYR Florian, KORAIMANN Günther, SZABÓ Máte, DEMENY Attila	elements for refurbishment / MICCOLI Lorenzo, FONTANA Patrick, KREFT Oliver, PIETRUSZKA Barbara, ŁUKASZEWSKA Agnieszka and KLINGE Andrea	strengthened masonry / GHIASSI Bahman, MALJAEE Hamid, OLIVEIRA Daniel V. and LOURENÇO Paulo B. (p.279)
		and DIETZEL Martin (p.211)	(p.95)	
		(17:00) Durability of Cementitious Materials in Acidic Environments: Evaluation of Degradation Kinetics / RAMASWAMY K. P. and SANTHANAM	(17:00) Finite difference method based modelling of electrochemical treatment in reinforced concrete structure / GAO Yun and JIANG Jinyang	(17:00) Frost resistance of clay masonry units: experimental parametric study of CEN/TS 772-22 and proposal for its optimization / SMITS Arwen,
		Manu (p.213)	(p.97)	MERTENS Stijn and GREGOIRE Yves (p.281)
		(17:15) Understanding the resistance of calcium aluminate cements in sewer environments : role of soluble aluminium on the SOB activity /	(17:15) An investigation into impressed current cathodic protection systems in an Australian jetty / LAW David William and NICHOLLS Peter (p.99)	using FTIR spectroscopy and chemometrics / NICHOLSON Catherine L.,
16:30	18:15	BUVIGNIER Amaury, PEYRE-LAVIGNE Matthieu, PATAPY Cédric, PAUL Etienne and BERTRON Alexandra (p.215)		SHAW Patricia and MARSTON Nick (p.283)
		(17:30) The relative gas permeability: a main indicator of the durability of	(17:30) The study on the estimation of the deterioration of reinforcing bar	(17:30) Artificial aging of air-and-vapour barriers / MØLLER Eva B. and
		unsaturated ordinary concrete / KAMECHE Zine Abidine, GHOMARI Fouad, CHOINSKA Marta and KHELIDJ Abdelhafid (p.219)	in reinforced concrete / WATANABE Ruiko and MIZOBUCHI Toshiaki (p.101)	HANSEN Thor (p.285)
		(17:45) Leaching of aluminium by blast furnace slag cement linings of	(17:45) Effect of carbonation on sulfate salt weathering of concrete / LIU	(17:45) Durability and resistance to degradation of hemp fibres-based
		drinking water pipes / BERTHOMIER Mathilde, BERTRON Alexandra, LORS Christine, MAZARS Vanessa, HOT Julie, CYR Martin, DAMIDOT Denis and DE	Zanqun, DENG Dehua , XIE Youjun, LONG Guangcheng and YUAN Qiang (p.103)	insulating envelopes / DONATELLI Antonio, CUNA Daniela, TAGLIENTE Maria Antonia, PROTOPAPA Maria Lucia, MEVOLI Anna, AVERSA Patrizia,
1		LARRARD Thomas (p.223)		BLASI Caterina, CAPODIECI Laura and LUPRANO Vincenza Anna Maria (p.287)
		(18:00) Application of multiple techniques to quantify the pore structure of		(18:00) Introduction to FP7 H-House project / MALAGA Katarina and
		(18:00) Application of multiple techniques to quantify the pore structure of degraded cementitious materials / PHUNG Quoc Tri, MAES Norbert and JACQUES Diederik (p.217)	various non/semi-destructive, and destructive techniques / CRAEYE Bart, LAURIKS Leen, VAN DE LAAR Hannes, VAN DER EIJK Jelle and GIJBELS	(18:00) Introduction to FP7 H-House project / MALAGA Katarina and SJÖSTRÖM Christer (not in proceedings)
		degraded cementitious materials / PHUNG Quoc Tri, MAES Norbert and	various non/semi-destructive, and destructive techniques / CRAEYE Bart,	
19:30	22:00	degraded cementitious materials / PHUNG Quoc Tri, MAES Norbert and	various non/semi-destructive, and destructive techniques / CRAEYE Bart, LAURIKS Leen, VAN DE LAAR Hannes, VAN DER EIJK Jelle and GIJBELS	

Room colour code	Meeting room "Refter" (ground floor)	Meeting room "August Vermeylen" (level +2)	Meeting room "Edgard Blancquaert" (level +3)
	Registration and exhibition area (ground floor)	"Brasserie Oude Vismijn", Rekelingestraat 5, 9000 Gent (walking distance	

XIV DBMC CONFERENCE, GHENT, Sunday 28-Wednesday 31 May 2017 (DRAFT PROGRAMME version 2017-05-05 / Please note that changes can be made before the start of the conference)

Start time End time Wednesday, 31 May 2017 8:00 8:30 Session W3 / Theme E. Durability of materials, systems and component:
/ Concrete / Attack (Chair: FONTANA Patrick)
(8:30) (Keynota) Probabilistic evaluation of the concrete durability subject
to accelerated decay by salt crystallization /GARAVAGLIA Elsa, TEDESCHI Session W2 / Theme G. Durability, LCA and sustainable construction Session W1 / Special session 2 "NSF Project - Concrete with low clinke cements" (Chair: SCRIVENER Karen)
(8:30) General introduction to NSF Project
(8:45) Formulation, use and durability of concrete with low clinker cem-(Chair: DE BRITO Jorge) 8:30) (Keynote) The influence of estimated service life on the embodied missions of zero emission buildings (ZEBs) when choosing low-carbon uilding products / FUFA Selamawit Mamo, KJENDSETH WIIK Marianne, AAHL SCHLANBUSCH Reidun and ANDRESEN Inger (p.365) / PALACIOS Marta, SOIA Wioletta, STEFANONI Matteo, MARAGHECH Cristina and PEREGO Sara (p.225) lamed, ZINGG Sharon, SCRIVENER Karen, ELSENER Bernhard, HABERT iuillaume, FLATT Robert J (p.385) uildings / FUFA Selamawit Mamo, SKAAR Christofer, GRADECI Klodian, ABONNOTE Nathalie. TIME Regit and May 150 (9:00) Influence of comb-type superplasticizers on the properties of low clinker cementitious materials. / PALACIOS Marta, NASKAR Nilanjon, (9:00) Parametric LCA of a ventilated timber wall construction in tall timber 9:00) Cement paste expansion under external sulfate attack / MA Xu. OPUROĞLU Oğuzhan, SCHLANGEN Erik, HAN Ningxu and XING Feng ABONNOTE Nathalie, TIME Berit and KÖHLER Jochen (p. 367) 9:15) Effect of dimensions on embodied environmental impact of build HOXHA Endrit, CHEVALIER Jacques, LE ROY Robert and HABERT Guillai SOSCAND Federica and FLATT Robert 1(p.387) (9:15) Evolution of microstructure and phase assemblage in blended dement pastes exposed to natural carbonation / SOJA Wioletta, MARAGHECHI Hamed, DURDZIŃSKI Paweł and SCRIVENER Karen (p.389) 8:30 10:00 (9:30) Main stadium structures of summer Olympic Games : efficiency assessment of their physical performances / MADANI Nigar, TAVUKÇUOĞLU Ayşe and GÜNEL Mehmet Halisl (p.39) (9:30) Corrosion rates in carbonated low clinker cements: are the ne 9:30) Investigation of the deterioration of blended cement concrete under binders really sustainable? / STEFANONI Matteo, ANGST Ueli and ELSENER Bernhard (p.391) ulfate attack in terms of interfacial transition zone / WU Kai, SHI Huisheng GAO Yun, YE Guang and DE SCHUTTER Geert (p.231) 9:45) Use of electric arc furnace slag for the production of durable sustainable concretes / SIDERIS K.K., CHATZOPOULOS A. and TASSOS Ch. 9:45) Accelerated ageing of textile reinforced concrete (TRC) / MALAGA (atarina, WILLIAMS PORTAL Natalie and OUTRAS Ilias (p.233) (9:45) Environmental assessment of radical innovation in concrete structures / ZINGG S., PITTAU F., LÄMMLEIN T., HAJIESMAEILI A., LURA P., DENARIE E., HABERT G (p.393) 0.361) 10:00 10:30 10:30 Plenary lecture 3A: Influence of mineral binder type on alkali carbonate reaction / BOKAN-BOSILIKOV Violeta (p.11) (Chair: DE SCHUTTER Geert) 11:00 Session W6 / Special session "Redmonest - Cultural Heritage" (Chair Session W4 / Theme E. Durability of materials, systems and components Session W5 / Theme F. Service life analysis and prediction methodologies / Concrete / Additions (Chair: JOHN Vanderley)
(Keynote) The durability of concrete produced with reIOMAS Michael and MOFFATT Edward (p.155) (Chair: VAN DEN BOSSCHE Nathan)
(11:00) (Keynote) Benchmarking of different methodologies for service life prediction of ceramic claddings / SILVA Ana, GASPAR Pedro L. and DE BRITO COURARD Luc) 11:00) General introduction to Redmonest Project

11:15) Comparison of transparent coatings and water-repellents for the protection of historic buildings made of concrete / CAILLEUX Emmanuel (11:00) (Key rediction of orge (p.319) (p.397) (11:30) Performance of concrete made with calcined clays, limestone and (11:30) A fuzzy expert system in buildings serviceability / PRIETO A. J., (11:30) Water-repellents as alternative carbonation-induced corr Portland cement under natural aggressive conditions / MARTIRENA Fernando, RIBALTA Juan, MARAGUESHI Hamed, ROCHA Dayran, ALUJAS MACÍAS-BERNAL J. M., ALEJANDRE F. J. and SILVA A. (p.321) reatments for reinforced concrete cultural heritage / MARIE-VICTOIRE clisabeth, BOUICHOU Myriam and JOURDAN Héloïse (p.399) Adrian and SCRIVENER Karen (p.157) (11:45) Ultrafine Fly ash and Ultrafine GGBS for High strength and Durable (11:45) Surface Inhibitors for the Non-Invasive treatment of Cor (11:45) The application of survival analysis for service life prediction of HPC / BANDIVADEKAR Tanuja P. and RATHOD Alok (p.159) ilding materials : a proof of concept / BUYLE Matthias, BRAET Johan and tructures / ANDRADE Carmen, REBOLLEDO Nuria, and MORALES J.A. 11:00 12:45 AUDENAERT Amaryllis (p.323) (12:00) BRAIN : Building Research Analysis and Information Network / SERRAT Carles, GIBERT Vicenç, CASAS Joan Ramon and RAPINSKI Jacek (12:00) Self-desiccation and self-desiccation shrinkage of sili pastes / LV Yang, YE Guang and DE SCHUTTER Geert (p.161) (12:00) Influence of hydrophobic treatments applications on the concrete carbonation delay / COURARD Luc, LUCQUIAUD Vincent (p.403) (12:15) Effect of curing conditions on microstructure, cracking and durability of SCC / BARLUENGA Gonzalo, PUENTES Javier and GUARDIA (12:15) Air- and watertightness of prefabricated envelope modules for renovation fo buildings / MAROY Katrien, VAN LINDEN Stéphanie , DE VOGELAERE Koen, VAN DEN BOSSCHE Nathan and STEEMAN Marijke p.327) (12:30) Durability of ultra-high performance concrete - Experiences from (12:30) Surface consolidation of natural stones by use of bio-agents and hemical consolidation / WANG Jianyun, FRAEYE Domien, ERSAN Yusuf lagatay, DE MUYNCK Willem, BOON Nico and DE BELIE Nele (p.329) eal-scale application / SPIESZ Przemek and HUNGER Martin (p.165) 12:45 13:45 Session W7 / Theme E. Durability of materials, systems and components / Concrete / Fresh concrete and mechanical performance (Chair: Session W8 / Theme G. Durability, LCA and sustainable construction Session W9 / Theme E. Durability of materials, systems and components / Concrete / Additions (Chair: SHI Caijun) | IGARASHI Shin-ichi]
| (13:45) (Keynote) Impact of drying and carbonation on microstructure and dimensional changes for supplementary cementitious materials (SCMs) / (Chair: VAN ACKER Joris) 13:45) (Keynote) Influence of life span prediction on building component's 13:45) (Keynote) Effects of nano-particles on the properties of ultra-high CA performance / SIE Marion, SUSCA Tiziana, WILLIAMS POTTAL Natalie, DURING Otto, FONTANA Patrick, SJOSTROM Christer and PAYET Jérôme erformance cement based composites / RONG Zhidan, SUN Wei and JIANG dimensional changes for supplementary cementitious materials (SCR BERTIN Matthieu, OMIKRINE METALSSI Othman, BAROGHEL BOUNY nique and OURO KOURA Baba Issa (p.235) (14:15) Fracture properties of concrete subjected to heating up to 60°C / MATSUZAWA Koichi and KITSUTAKA Yoshinori (p.237) (14:15) Roof replacement roof edge design details on commerical roofs for the new requirements of energy codes / HUTCHINSON Thomas W. (p.373) 14:15) Influence of ternary cements containing limestone filler on concret esistance to carbonation / LAUCH Kim-Séang, DIERYCK Vinciane and (ANHAMME Géraldine [p.147]

14:30] Effect of SCMs on capillary sorption over time: relation with drying ate and testing time / ALDRETE Natalia, VILLAGRÂN-ZACCARDI Yury and DE BELLE Nele [p.149]

14:45] Analysis of chloride transport and carbonation in limestone-calcine lay binders with varying kaolinite content / AVET Francois, MARAGHECHI ANHAMME Géraldine (p.147) (14:30) Influence of geometry on the fracturing behavior of textile reinforced calcium phosphate cement using acoustic emission / BLOM Johan and AGGELIS Dimitrios (p.239) (14:445) Experimental Research of Formwork Pressure by Pumping Concrete for an Underground Diaphragm Wall Bottom Up / JIANG Wei, LIU Xian and (14:30) Light-weight bathrooms with increased durability / MORELLI Marti and BRANDT Erik (p.375) (14:45) End-of-life consideration for hybrid material systems / AGUSTÍ-JUAN Isolda, ZINGG Sharon and HABERT Guillaume (p.377) 13:45 15:45 YUAN Yong (p.241) lamed and SCRIVENER Karen (p.151) (15:00) Acoustic emission monitoring of fresh cementitious material / DZAYE Evin Dildar, DE SCHUTTER Geert and AGGELIS Dimitrios (p.243) (15:00) Effect of hybrid fiber reinforcement on corrosion induced stiffness 15:00) Influence of concrete composition on chloride ingress and arbonation: analysis by means of an extended data-set / CRAEYE Bart, degradation of reinforced concrete columns / DUNCAN Jacob F., NGUYEN Wilson and OSTERTAG Claudia P. (p.331) AIDDINATOR AND THE AID (15:15) Estimation of concrete's quality based on innovative early age ultrasonic measurements / ILIOPOULOS N. Sokratis and AGGELIS G. (15:15) (Special presentation CIB W080) Prediction of Service Life of Building Materials and Components / Bruno Daniotti (not in proceedings) astes by AC impedance spectroscopy / HU Xiang, SHI Caijun, YE Guang and Dimitrios (p.245) E SCHUTTER Geert (p.195) (15:30) The properties of mortar and concrete using Gehlenite clinker as fine aggregate / KAWATO Takaya, FUJIWARA Hiromi, MARUOKA Masanori HAYASHI Kensuke, OTSUKA Ryosuke, OGASAWARA Ken, SHIRAYAMA Kosuke and YAMANAKA Yuto (p.127) (15:30) Durability Research Needs for a Low-Carbon Cement-based Materials Industry / QUATTRONE Marco and JOHN Vanderley M. (p.381) 15:45 16:00 16:00 16:30 Plenary lecture 3B: Durability of Concrete Prepared with Ternary Binder Systems Involving Limestone and Calcined clay / SANTHANAM Manu (p.13) (Chair: DE BELIE Nele) Closing session (Chair: DE BELIE Nele, JANSSENS Arnold) 16:30 16:45 16:45 17:45

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