

# Final Announcement



**Conference Secretariat**  
ICCRRR 2015  
c/o MFPFA Leipzig GmbH  
Hans-Weigel-Straße 2b  
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Registration desk - Opening hours during the conference:  
Monday - Wednesday, 05 – 07 October 2015, 08:00 – 16:00 hrs.

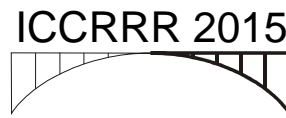
## Venue, Accommodation and Registration

Please find all information about venue, accommodation and registration on the ICCRRR website:  
[www.iccrrr.com](http://www.iccrrr.com)

## The Conference Hotel:

The Westin Leipzig Hotel  
Gerberstrasse 15  
D-04105 Leipzig/ Germany  
T: +49 341 988-0  
F: +49 341 988-1229  
[info@westin-leipzig.com](mailto:info@westin-leipzig.com)

***Please make your hotel reservation by 01 August 2015.  
After this date the room availability in the conference hotel  
can not be guaranteed.***



## National Co-sponsors

## International Co-sponsors



## General Timetable

	Sunday, 04 October 2015	Monday, 05 October 2015	Tuesday, 06 October 2015	Wednesday, 07 October 2015
08:00	-	Registration	-	-
09:00	-	Opening	-	Scientific Sessions
09:30 -	-	Scientific Sessions	Scientific Sessions	Closure (approx. 15:00 – 16:00)
18:00	-	-	-	-
19:00	Welcome Reception	-	Dinner	-

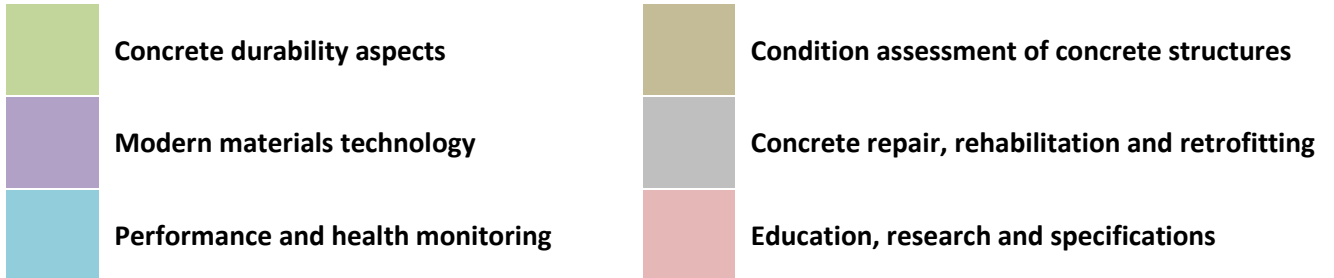
On Sunday, October 04<sup>th</sup>, 19:00 hrs. you are invited to a Welcome Reception at Moritzbastei, Leipzig's most famous cultural centre. In the heart of the city, located directly beside the New Gewandhaus and the University, intertwining historical architecture and modern cultural life in all its diversity.

On Tuesday, October 06<sup>th</sup>, 19:00 hrs. you are invited to a Gala Dinner in the Restaurant of the Westin Leipzig Hotel.

A social programme for accompanying persons during the conference could be planned individually. Please contact the conference secretariat.



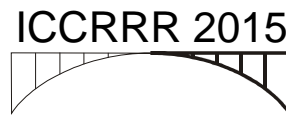
# Topics



	Room A	Room B
<b>Monday, 05 October 2015</b>		
09:00	Opening	
09:20	Coffee break	
09:30	Session 1	Session 1
11:00	Coffee break	
11:30	Session 2	Session 2
13:00	Lunch break	
14:00	Session 3	Session 3
15:30	Coffee break	
16:00	Session 4	Session 1
<b>Tuesday, 06 October 2015</b>		
09:30	Session 5	Session 2
11:00	Coffee break	
11:30	Session 1	Session 3
13:00	Lunch break	
14:00	Session 2	Session 4
15:30	Coffee break	
16:00	Session 3	Session 5
<b>Wednesday, 07 October 2015</b>		
09:00	Session 1	Session 6
10:30	Coffee break	
11:00	Session 2	Session 7
13:00	Lunch break	
14:00	Session 1	Session 2
15:00	Closure and Coffee break	

# Scientific Programme

Monday, 05 October 2015	Room A	Room B
09:00 – 09:20	<b>Opening</b>	
09:20 – 09:30	<b>Coffee break</b>	
	<b>Concrete durability aspects Session 1</b>	<b>Condition assessment of concrete structures Session 1</b>
	<b>Chloride ingress testing of concrete</b> <i>D.J. Dunne, C. Christodoulou, M. D. Newlands, P. McKenna &amp; C. I. Goodier</i>	<b>An investigative study into the application of non-destructive testing techniques for integrity assessment of RC piles</b> <i>E. Okwori, P. Moyo &amp; K. Matongo</i>
	<b>Concrete corrosion in an Austrian sewer system</b> <i>C. Grengg, A. Baldermann, M. Dietzel, F. Mittermayr, M. E. Böttcher &amp; A. Leis</i>	<b>Studies on the key technical problems of asphalt concrete facing slabs in the upper reservoir of Huhhot pumped-storage plant in North China</b> <i>S. Xia, Y. Lu, Z. Wang &amp; F. Zhang</i>
<b>09:30 – 11:00</b>	<b>One-dimensional scanning of water transport in hardened cement paste during freeze-thaw attack by NMR imaging</b> <i>Z. Djuric, M. Haist, H. S. Müller, J. Sester &amp; E. H. Hardy</i>	<b>Evaluation of sulfate damages in a tunnel concrete segments</b> <i>F. Moodi, A. A. Ramezani-pour, Q. Bagheri Chenar &amp; M. Zaker Esteghamati</i>
	<b>Effects of electrochemical chloride extraction on microstructure of various cement paste systems</b> <i>N. T. T. Hai Yen, Y. Hiroshi &amp; H. Katsufumi</i>	<b>In-situ concrete strength assessment based on Ultrasonic Pulse Velocity (UPV), rebound, cores and the SONREB Method</b> <i>F. Papworth, D. Corbett &amp; R. Barnes</i>
	<b>Study on possibility of estimation of chloride content in coastal reinforced concrete structures using electromagnetic waves</b> <i>J. Nojima, M. Uchida &amp; T. Mizobucki</i>	<b>Impact loads on concrete bridge caps – studying load distribution for recalculation of existing bridges in the ultimate limit state</b> <i>M. Niederwald, M. Keuser, K. Goj &amp; S. Geuder</i>
	<b>Lithium migration in mortar specimens with embedded cathode</b> <i>L. M. S. Souza, O. Çopuroğlu &amp; R. B. Polder</i>	<b>Laser Induced Breakdown Spectroscopy (LIBS) – innovative method for in-situ measurements on chloride contaminated building materials</b> <i>S. Millar, T. Eichler, G. Wilsch &amp; C. Gottlieb</i>
11:00 – 11:30	<b>Coffee break</b>	



Monday, 05 October 2015	Room A	Room B
11:30 – 13:00	<b>Concrete durability aspects Session 2</b>	<b>Condition assessment of concrete structures Session 2</b>
	<b>Analysis and visualization of water uptake in cracked and healed mortar by water absorption tests and X-ray radiography</b> <i>B. Van Belleghem, N. De Belie, J. Dewanckele &amp; V. Cnudde</i>	<b>Enhancing the interpretation of Torrent air permeability method results</b> <i>R. Neves</i>
	<b>Experimental study on the long-term leaching properties of CSG materials</b> <i>W. Feng, Z. Liu, J. Jia, F. Ma</i>	<b>Combined non-destructive testing for concrete compressive strength prediction</b> <i>G. Concu, B. De Nicolò, N. Trulli &amp; M. Valdés</i>
	<b>Effects of resistivity on corrosion rate measurements obtained from a coulometric monitoring device</b> <i>A. N. Scott</i>	<b>Estimation of concrete strength and stiffness by means of ultrasonic testing</b> <i>G. Concu, B. De Nicolò, N. Trulli &amp; M. Valdés</i>
	<b>Study of residual protection following interruption of impressed current cathodic protection in concrete</b> <i>D.W. Law &amp; S. Bhuiyan</i>	<b>A repair quality control with elastic waves based methods vs. concrete substrate quality</b> <i>A. Garbacz, T. Piotrowski, L. Courard &amp; B. Bissonnette</i>
	<b>Deterioration of service reservoirs constructed in accordance with EN 206</b> <i>R. Brueckner, C. Atkins &amp; P. Lambert</i>	<b>Condition assessment of a 100 years old RC building in Hiroshima</b> <i>T. Kinose, K. Imamoto, T. Noguchi &amp; T. Ohkubo</i>
	<b>Modelling of chloride diffusion coefficient in concrete with supplementary cementitious materials</b> <i>K. N. Shukla &amp; R. G. Pillai</i>	<b>A technical review of seven cathodic protection systems in Jersey</b> <i>J. Drewett, K. Davies &amp; K. Armstrong</i>
13:00 – 14:00	<b>Lunch break</b>	



Monday, 05 October 2015	Room A	Room B
	<b>Concrete durability aspects Session 3</b>	<b>Condition assessment of concrete structures Session 3</b>
	<b>Damage risk and development in concrete pavements caused by an Alkali Silica Reaction</b> <i>A. Wiedmann, E. Kotan &amp; H. S. Müller</i>	<b>Corrosion survey of the bridge deck "Viadotto Colle Isarco / Autobahnbrücke Gossensaß" on the Motorway called "Autostrada del Brennero" in North-Italy</b> <i>R. Giorgini</i>
	<b>Reinforcement corrosion behavior in bending cracks after short-time chloride exposure</b> <i>F. Hiemer, S. Keßler, C. Gehlen</i>	<b>Mechanical performance of deep beams damaged by corrosion in a chloride environment</b> <i>L. Yu, R. François, R Gagné, V. H. Dang &amp; V. L'Hostis</i>
<b>14:00 – 15:30</b>	<b>Physical model for structural evaluation of r. c. beams in presence of corrosion</b> <i>A. Cesetti, G. Mancini, F. Tondolo, A. Recupero &amp; N. Spinella</i>	<b>Literature overview on the application and limitations of stress wave propagation theory for conditional assessment of concrete structures and elements</b> <i>E. Okwori</i>
	<b>Bond-slip model for corroded steel in concrete</b> <i>A. Cesetti, G. Mancini, F. Tondolo &amp; C. Vesco</i>	<b>Concrete cultural heritage in France - inventory and state of conservation</b> <i>E. Marie-Victoire, M. Bouichou, T. Congar &amp; R. Blanchard</i>
	<b>Pull-out tests on r. c. corroded specimens</b> <i>A. Cesetti, G. Mancini &amp; F. Tondolo</i>	<b>The development of a new Dutch guideline for the conservation of historic concrete (URL 4005)</b> <i>H. A. Heinemann</i>
	<b>Corrosion resistance of BS 8500 compliant concretes</b> <i>C. Christodoulou, D. Dunne, C.I. Goodier &amp; R. Yea</i>	<b>Evaluation of moisture and gas permeability of surface treated concrete and its application to historical reinforced buildings in Japan</b> <i>K. Imamoto, C Kiyohara, K Nagai &amp; M Misono</i>
<b>15:30 – 16:00</b>	<b>Coffee break</b>	



Monday, 05 October 2015	Room A	Room B
16:00 – 17:30	<b>Concrete durability aspects Session 4</b>	<b>Concrete repair, rehabilitation and retrofitting Session 1</b>
	<p><b>Variations of humidity within a relatively large ASR-affected concrete cylinder exposed to a natural environment</b> <i>H. Kagimoto, Y. Yasuda, S. Kinoshita &amp; M. Kawamura</i></p>	<p><b>The construction of the bridge over the Vaal River in Warrenton – a case study</b> <i>T. Massingue</i></p>
	<p><b>Influence of electrochemical lithium penetration from various kinds of lithium solution on ASR expansion of concrete</b> <i>T. Ueda, A. Nanasawa &amp; M. Tsukagoshi</i></p>	<p><b>Numerical study on effect of ductility in the flexural capacity enhancement of RC beam strengthened with FRP</b> <i>A. Kashi, .Z. Kabir &amp; F. Moodi</i></p>
	<p><b>Effect of surface-applied inhibitors on anti-corrosion performance of steel bars in sea sand concrete</b> <i>Z. Wang &amp; Z. Liu</i></p>	<p><b>Study of the crack pattern and its evolution by DIC of RC beams externally reinforced with TRC and CFRP</b> <i>S. Verbruggen, T. Tysmans, J. Wastiels &amp; S. De Sutter</i></p>
	<p><b>Durability design of concrete mixtures for sewer pipe applications: a review of the Life Factor Method</b> <i>M. W. Kiliswa, M. G. Alexander &amp; H. Beushausen</i></p>	<p><b>Intelligent, multifunctional textile reinforced concrete interlayer for bridges</b> <i>C. Driessen &amp; M. Raupach</i></p>
	<p><b>Moisture exchange in concrete repair system captured by X-ray absorption</b> <i>M. Lukovic, E. Schlangen, G. Ye &amp; K. van Breugel</i></p>	<p><b>Preliminary investigation of flexural strengthening of RC beams using NSM iron-based shape memory alloys bars</b> <i>H. N. Rojob &amp; R. El-Hacha</i></p>
	<p><b>Forecasting chloride-induced reinforcement corrosion in concrete – effect of realistic reinforcement steel surface conditions</b> <i>U. M. Angst &amp; B. Elsener</i></p>	<p><b>Preliminary experimental investigation of reinforced concrete columns confined with NiTi SMA wires</b> <i>K. Abdelrahman &amp; R. El-Hacha</i></p>



Tuesday, 06 October 2015	Room A	Room B
09:30 – 11:00	<b>Concrete durability aspects Session 5</b>	<b>Concrete repair, rehabilitation and retrofitting Session 2</b>
	<b>Effect of reinforcement corrosion on serviceability behavior of RC beams and analytical model</b> <i>L. Hariche, M. Bouhicha, S. Kenai &amp; Y. Ballim</i>	<b>Chillon Viaduct deck slab strengthening using reinforced UHPFRC: full-scale tests</b> <i>D. Zwicky &amp; E. Brühwiler</i>
	<b>Damage evaluation for freezing-thawing affected concrete by automated panoramic fluorescent microscope</b> <i>S. Li, G. Chen, G. Ji, W. Xia &amp; D. Zhang</i>	<b>Chillon Viaduct deck slab strengthening using reinforced UHPFRC: numerical simulation of full-scale tests</b> <i>H. Sadouki, E. Brühwiler &amp; D. Zwicky</i>
	<b>Modelling the service life of concrete until cover cracking due to reinforcement corrosion</b> <i>E. Bohner, M. Ferreira &amp; O. Saarela</i>	<b>Strengthening of existing reinforced concrete beams using Ultra High Performance Fibre Reinforced Concrete</b> <i>A. P. Lampropoulos, S. A. Paschalis, O. T. Tsioulou &amp; S. E. Dritsos</i>
	<b>A whole of life approach to concrete durability – The CIA Concrete Durability Series</b> <i>F. Papworth</i>	<b>“Integralization” with new UHPC decks for existing motorway bridges</b> <i>P. Hadl, R. della Pietra, M. Reichel &amp; N. V. Tue</i>
	<b>On the relationship between the formation factor and diffusion coefficients of Portland cement mortars</b> <i>Z. Bajja, W. Dridi, B. Larbi &amp; P. Lebescop</i>	<b>Structural strengthening of a shop-house for use as a medical centre</b> <i>C. C. Lim &amp; Y. C. Chua</i>
	<b>Resistivity and water absorption of concrete</b> <i>C. I. Goodier, C. Xueting, C. Christodoulou, D. Dunne &amp; R. Yea</i>	<b>Overall precision uplift rehabilitation technology for uneven settlement of concrete structure of slab ballastless track</b> <i>X. Zheng, J. Liu, S. Li, W. Xu, Z. Zhang, Y. Wang, F. Cheng &amp; X. Wen</i>
11:00 – 11:30	<b>Coffee break</b>	

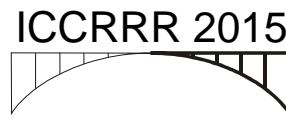




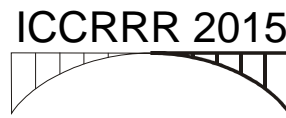
Tuesday, 06 October 2015	Room A	Room B
	<b>Modern materials technology Session 1</b>	<b>Concrete repair, rehabilitation and retrofitting Session 3</b>
	<b>A new restrained shrinkage test for HPC repair materials</b> <i>A. Reggia, F. Macobatti, F. Minelli, G. A. Plizzari &amp; S. Sgobba</i>	<b>Axial compression testing of an emergency-retrofitted shear-damaged RC column</b> <i>K. Nakada, M. Kochi, S. Arakaki, H. Karwand &amp; M. Z. Noori</i>
	<b>Studies on creep deformation of ultra-rapid-hardening cement-type bonded anchor</b> <i>S. Ando, T. Tamura, K. Nakano &amp; T. Tanuma</i>	<b>Rehabilitation of corrosion-aged concrete T-girders with textile-reinforced mortar</b> <i>T. El-Maaddawy &amp; A. El Refai</i>
<b>11:30 – 13:00</b>	<b>Assessment of the use of Arcelor Mittal electric arc furnace slag as coarse aggregates in concrete production</b> <i>D. Maharaj &amp; A. Mwashia</i>	<b>Dismantling of damaged PSC damaged suspended span of Varsova Bridge across Vasai Creek on NH-8, Mumbai, India</b> <i>M.L. Gupta, D. A. Bhide &amp; P.B. Dongre</i>
	<b>Self-compacting grout and concrete how it is produced and why it is needed?</b> <i>H. S. Abdelgader &amp; A. S. El-Baden</i>	<b>Repair and retrofitting of two mega liter post tensioned, precast concrete tanks for molasses Storage</b> <i>J.H. Strydom &amp; B.H. Schlebusch</i>
	<b>Research and development of polymer modified self compacting concrete used for replacement of large area deterioration concrete</b> <i>X. Kong, G. Chen, S. Li, G. Ji &amp; S. Zhang</i>	<b>Repair and widening of the Nels River Bridge on Road R37 in South Africa</b> <i>R. G. Miller, R. Nel &amp; E. J. Kruger</i>
	<b>Using steel fibered high strength concrete for repairing continuous normal strength concrete bending elements</b> <i>K. Holschemacher, I. Iskhakov &amp; Y. Ribakov</i>	<b>Evaluation of repair mortar materials for old monuments in southern India</b> <i>S. Divya Rani, M. Deb, M. Santhanam &amp; R. Gettu</i>
<b>13:00 – 14:00</b>	<b>Lunch break</b>	



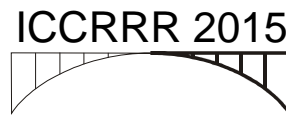
Tuesday, 06 October 2015	Room A	Room B
	<b>Modern materials technology Session 2</b>	<b>Concrete repair, rehabilitation and retrofitting Session 4</b>
	Investigations on the suitability of technical textiles for cathodic corrosion protection <i>A. Asgharzadeh, M. Raupach &amp; D Koch</i>	Selection procedures for concrete repair - patch repair and cathodic protection in atmospheric zones <i>F. Papworth, J. Dyson &amp; M. Marosszeky</i>
	The evaluation of concomitant use of metakaolin and limestone Portland cement to durability of HPC concrete <i>A. A. Ramezaniapour &amp; N. Afzali</i>	Experience with installing an impressed current cathodic protection (ICCP) system on the multi-story car park of the Allianz Arena in Munich, Germany <i>H. Esteves, P. Chess, S. Mayer, R. Stöcklein &amp; R. Adamovic</i>
<b>14:00 – 15:30</b>	Polymer modified high performance concrete as structural repair material of existing structures <i>K. D. Zavliaris</i>	Application of cathodic protection on 30 concrete bridges with prestressing steel: remaining service life extended with more than 20 years <i>A.J. van den Hondel, E.L. Klamer, J. Gulikers &amp; R. B. Polder</i>
	A new approach for internal curing of high performance concrete to reduce early-age volume variations <i>P. A. Savva &amp; M. F. Petrou</i>	Towards improved cracking resistance in concrete patch repair mortars <i>P.A. Arito, H. Beushausen &amp; M.G. Alexander</i>
	Real-scale testing of the efficiency of self-healing concrete <i>K. Van Tittelboom, D. Snoeck, E. Gruyaert, B. Debbaut, N. De Belie, J. Wang &amp; A. De Araújo</i>	Reinforcement corrosion in separation cracks after injection with PUR <i>M. Kosalla &amp; M. Raupach</i>
	Sprayed textile reinforced concrete layers for a durable protection of waterway engineering structures <i>C. Morales Cruz &amp; M. Raupach</i>	Maintenance of concrete pavements with thin-layered new concrete <i>A. Cokovik &amp; R. Breitenbücher</i>
<b>15:30 – 16:00</b>	<b>Coffee break</b>	



Tuesday, 06 October 2015	Room A	Room B
	<p align="center"><b>Modern materials technology Session 3</b></p>	<p align="center"><b>Concrete repair, rehabilitation and retrofitting Session 5</b></p>
	<p><b>Production and fresh properties of powder type self-compacting concrete in Sudan</b> <i>O. M. A. Daoud &amp; T. M. Kabashi</i></p>	<p><b>Important factors in the performance, durability and repair of concrete façade elements</b> <i>A. N. van Grieken</i></p>
	<p><b>Utilization of polypropylene fibre reinforced cement composites as a repair material: a review</b> <i>A. Baricevic &amp; M. Pezer &amp; N. Stirmer</i></p>	<p><b>Evaluation of shear bond test methods of concrete repair</b> <i>V. D. Tran, K. Uji, A. Ueno, K. Ohno &amp; B. Wang</i></p>
<p><b>16:00 – 18:00</b></p>	<p><b>A novel technique for self-repair of cracks of reinforced concrete structures</b> <i>S. Pareek</i></p>	<p><b>Structural repair approach for reinforcement corrosion in concrete building structure: an application case</b> <i>G. Gallina, M. Graziosi &amp; A. Imbrenda</i></p>
	<p><b>The effectiveness of corrosion inhibitors in reducing corrosion in chloride contaminated RC structures</b> <i>P.A. Arito &amp; H. Beushausen</i></p>	<p><b>Electro active repair of concrete for improved durability of conventional repair</b> <i>R. B. Polder &amp; M. R. Geiker</i></p>
	<p><b>Protection against biogenic sulphuric acid corrosion – development of a sprayed polymer concrete</b> <i>R. Schulte Holthausen &amp; M. Raupach</i></p>	<p><b>A quantitative approach to the concept of concrete repair compatibility</b> <i>B. Bissonnette, F. Modjabi-Sangnier, L. Courard, A. Garbacz &amp; A. M. Vaysburd</i></p>
	<p><b>Colloidal nanosilica application to improve the durability of damaged hardened concrete</b> <i>M. Sánchez, M. C. Alonso, I. Díaz &amp; R. González</i></p>	<p><b>The compatibility in concrete repair - random thoughts and wishful thinking</b> <i>A.M. Vaysburd, B. Bissonnette, K.F. von Fay &amp; R. Morin</i></p>
	<p><b>Combined influence of slag composition and temperature on the performance of slag blends</b> <i>O. R. Ogirigbo &amp; L. Black</i></p>	<p><b>Influence of the interface mechanisms on the behavior of strengthened with reinforced concrete or steel existing RC slabs</b> <i>M. Traykova. &amp; R. Boiadjieva</i></p>



Wednesday, 07 October 2015	Room A	Room B
09:00 – 10:30	<p align="center"><b>Performance and health monitoring Session 1</b></p>	<p align="center"><b>Concrete repair, rehabilitation and retrofitting Session 6</b></p>
	<p>Investigations into the cause and consequence of incipient anodes in repaired concrete structures <i>C. Christodoulou, C. I. Goodier &amp; G. K. Glass</i></p>	<p>Fundamental approach for the concept of concrete repair compatibility <i>L. Courard, B. Bissonnette &amp; A. Garbacz</i></p>
	<p>Experimental in-situ investigation of the shear bearing capacity of pre-stressed hollow core slabs <i>G. Schacht, G. Bolle &amp; S. Marx</i></p>	<p>Strengthening/retrofitting of coupling beams using advanced cement based materials <i>M. Muhaxheri, A. Spini, L. Ferrara, M. di Prisco &amp; M. G. L. Lamperti</i></p>
	<p>Monitoring chloride concentrations in concrete by means of Ag/AgCl ion-selective electrodes <i>Y. S. Femenias, U. Angst &amp; B. Elsener</i></p>	<p>Cyclic behaviour of r.c. column with corroded reinforcement repaired with HPFRC jacket <i>S. Mostosi, A. Meda, Z. Rinaldi &amp; P. Riva</i></p>
	<p>Structural health monitoring of the Scherkondetalbrücke: a semi integral concrete railway bridge <i>S. Marx &amp; M. Wenner</i></p>	<p>Concrete hinge bearing replacement: a case study of concrete hinge collapse and broader implications for concrete hinge bearings under seismic effects <i>R. K. Dickson &amp; E. J. Kruger</i></p>
	<p>Maintaining and monitoring durable cathodic protection systems applied on 30 concrete bridges with prestressing steel <i>R.N. ter Maten &amp; A.W.M. van den Hondel</i></p>	<p>Seismic reinforcement of the URM by FRP system <i>O. Simakov, G. Tonkikh, O. Kabancev &amp; A. Granovsky</i></p>
	<p>Case studies in the practical application of pulse echo technology <i>D. Corbett</i></p>	<p>Influence of surface concrete preparation on adhesion properties of repair materials <i>M. Skazlic &amp; A. Baricevic &amp; K. Mavar</i></p>
10:30 – 11:00	<b>Coffee break</b>	



Wednesday, 07 October 2015	Room A	Room B
11:00 – 13:00	<b>Performance and health monitoring Session 2</b>	<b>Concrete repair, rehabilitation and retrofitting Session 7</b>
	<b>Corrosion rate measurements in concrete – a closer look at the linear polarization resistance method</b> <i>U. M. Angst &amp; M. Büchler</i>	<b>Management of the M4 elevated section substructures</b> <i>C. R. Hendy, C. T. Brock, A. D. J. Nicholls &amp; S. El-Belbol</i>
	<b>Impact of chloride redistribution on the service life of repaired concrete structural elements</b> <i>A. Rahimi, T. Reschke, A. Westendarp &amp; C. Gehlen</i>	<b>Modern technique and concrete technology used to conserve a unique marine heritage breakwater</b> <i>S. Hold</i>
	<b>Relationships between defects and inventory data of RC bridges and culverts in the Western Cape, South Africa</b> <i>T. D. Mbanjwa &amp; P. Moyo</i>	<b>Some conclusions of durability and behavior of structural rehabilitation solutions applied to deteriorated reinforced concrete elements after ten years of intervention</b> <i>G. Croitoru &amp; A. Popaescu</i>
	<b>Safety assurance of problematic concrete bridges by automated SHM: case studies</b> <i>K. Islami &amp; N. Meng</i>	<b>Case Study for the Repair of Berths 4 &amp; 6 in Guernsey</b> <i>J. Drewett, K. Davies &amp; P. Segers</i>
	<b>The Tannery bridge: a case study in structural health monitoring and rehabilitation of structures</b> <i>L. Tassinari, J. Sordet &amp; M. Viviani</i>	<b>Southern Europe Pipeline: New life of a 1960s pipeline</b> <i>C. Chanonier, C. Raulet, F. Martin, C. Carde &amp; J. Resplendino</i>
	<b>Evaluation of concrete structures durability under risk of carbonation and chloride corrosion</b> <i>L. Czarnecki &amp; P. Woyciechowski</i>	<b>Innovative subsequently applied shear strengthening techniques for RC members</b> <i>N. Randl &amp; P. Harsányi</i>
	<b>Using existing inspection data to probabilistically estimate the time to rehabilitation for concrete bridges exposed to deicing salts and humidity</b> <i>F. Alogdianakis, D. C. Charmpis &amp; I. Balafas</i>	<b>Development of a multi-disciplinary graduate course on rehabilitation of structures</b> <i>T. El-Maaddawy</i>  <b>Design of externally bonded FRP systems for Strengthening of concrete Structures</b> <i>T. A. Mukhamediev &amp; V.R. Falikman</i>
13:00 – 14:00	<b>Lunch break</b>	



Wednesday, 07 October 2015	Room A	Room B
<b>Education, research and specifications</b>		
<b>Session 1</b>		<b>Session 2</b>
<b>14:00 – 15:00</b>	<p><b>Numerical modeling of basic creep of concrete under different types of load</b> <i>N. Ranaivomanana, S. Multon, A. Turatsinze &amp; A. Sellier</i></p>	<p><b>Bond of reinforcing bars in cracked concrete</b> <i>P. Desnerck, J. M. Lees &amp; C. Morley</i></p>
	<p><b>Distributions of bond stress between plain round bars and low strength concrete under cyclic loadings</b> <i>H. Araki &amp; C. Hong</i></p>	<p><b>Improved formulation for compressive fatigue strength of concrete</b> <i>E.O.L. Lantsoght, C. van der Veen &amp; A. de Boer</i></p>
	<p><b>Damage evaluation of RC columns subjected to seismic loading by energy dissipation using 3D lattice model</b> <i>M.R. Simão &amp; T. Miki</i></p>	<p><b>Determination of diffusivities of dissolved gases in saturated cement-based materials</b> <i>Q. Phung, N. Maes, D. Jacques, E. Jacobs, A. Grade, G. De Schutter &amp; G. Ye</i></p>
	<p><b>Influence of aggregate size and the effect of superplasticizer on compression strength</b> <i>H. Aljewifi, X. B. Zhang &amp; J. Li</i></p>	<p><b>Comparison of residual strengths of concretes with quarzitic, limestone and slag sand constituents after cyclic high-temperature exposure</b> <i>S. Anders</i></p>
	<b>15:00 – 16:00</b>	<b>Closure and Coffee break</b>



# General Information

## Notice for Authors

Please note, that your presentation should be handed over as a power-point-file as possible on a USB flash drive at the beginning of the presentation day. Therefore please visit the conference office.

## Official Language

The official language at the conference is English. No translation is offered.

## Exhibition

Companies and organizations are invited to present their services and equipment during the conference. A price of € 600 includes chairs, tables, pin boards and electricity facilities.

## Passport and Visa

Entry formalities for Germany vary according to the country of origin. There are no visa requirements for EU passport holders. Other conference participants are asked to address enquiries about entry to their travel agents or to the local German Embassy / Consulate / Representation in their home countries. All foreign citizens must be the holder of a valid passport. Further information can be obtained under [http://www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Uebersicht\\_node.html](http://www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Uebersicht_node.html).

## Official Invitation

An official invitation letter will be sent upon request to assist conference participants in meeting administrative requirements. However, this implies no commitment, financial or otherwise, for the organising committee of ICCRRR 2015. For more information please contact [org@icrrr.com](mailto:org@icrrr.com).

## Health and Insurance

Participants are requested to arrange their own personal travel and health insurance. The organising committee of ICCRRR 2015 assumes no responsibility whatsoever for damage or injury to persons or property during the conference.

## Smoking Ban

Smoking is banned in all indoor public areas and restaurants in Leipzig. The conference is a smoke-free event and smoking is not permitted at the conference venue.

## Currency and Money Exchange

The German currency is the Euro. 1 Euro is approx. 1.10 US-Dollar as per July 2015. Credit cards are widely accepted - also in taxis.



## Electricity Supply

Electricity is supplied at 220 volts A/C, 50 Hz cycle. Outlets are of the two round-pin type.

## Climate

In October, the weather in Germany is still pleasant, with golden days and colourful fall foliage. Average temperatures in October are: low 43° F (6°C), high 57°F (14°C).

## How to get to the conference venue

### By train:

The conference venue is located in the city centre close to Leipzig Central Station (called "Hauptbahnhof") and is easily accessible by public transportation.

<http://www.deutschebahn.com/en/start.html>.

### By airplane:

Leipzig/Halle Airport (LEJ) can be easily reached by public transport. A direct train starts every 20 minutes from the airport to the city centre of Leipzig (duration 20 minutes). Please check <https://www.leipzig-halle-airport.de/en/> for further information. Taxis are available directly in front of Terminal B. The travel time to Leipzig's city centre by taxi is approx. 25 minutes.