



THURSDAY Sept 21 - 10:30-12:00		
Bearings and Expansion Joints		
YVR-0803-2017	Lions Gate Suspension Bridge Tower Joints and Bearings Renewal	Guckel, Christian
YVR-0804-2017	Lead rubber bearings for seismic isolation of structures in cold climates - New developments	Mendez, Carlos; Moor, Gianni; Rassy, Samy; O'Suilleabhain, Colm
YVR-0613-2017	Expansion Joint and Bridge Bearings as Smart Monitoring Devices	Okumusoglu, Deniz
YVR-0559-2017	Innovative Bearing Designs for Bridges	Watson, Ronald
YVR-0800-2017	Innovative Expansion Joint Replacement – Burlington Bay Skyway	Ostrowski, Joseph
YVR-0013-2017	Monitoring intrinsic forces of a steel multi-girder bridge with frozen expansion bearings through rehabilitation.	Hasan, Istiaque; Dubbs, Nathaniel
Structural Concrete: Experiments		
YVR-0491-2017	Experimental Study on a Precast SRC Rock Shed	Kitajima, Mikio; Maegawa, Koji; Ninomiya, Tetsuya; Hama, Akiko
YVR-0029-2017	Experimental Investigation of Post-cracked Behavior for PC Girder Bridges	Hu, Zhijian; Du, Ruirui; Wu, Fei; Yuan, Shuaihua; Sun, Lizhi; Wang, Shaobin
YVR-0169-2017	Experimental Performance of Composite Box Girder Bridges Decked with Full-Depth Precast Panels	He, Zhiqi; Liu, Zhao; Xing, Yuan; Chen, Yaosan; Ma, Zeng
YVR-0190-2017	Experimental Study on Ductility and Hysteretic Energy of CIP and Precast Bridge Piers with High Strength Rebar	Zhuo, Weiding; Liu, Zhao; Zhang, Jiandong; Zhang, Wenming
YVR-0191-2017	Experimental Studies on a Novel Structural Detailing of RC Frames to Resist Earthquake and Progressive Collapse	Lin, Kaiqi; Gu, Donglian; Lu, Xinzheng; Li, Yi
YVR-0249-2017	Load carrying behaviour of RC beams with bent-up bars as shear reinforcement	Huber, Tobias; Huber, Patrick; Vill, Markus; Kollegger, Johann
Design of structures for Earthquakes 1		
YVR-0099-2017	A NEW PULSE-BASED E-R- μ METHOD FOR PREDICTING THE PEAK SEISMIC RESPONSE OF HIGHLY NONLINEAR BRIDGE STRUCTURES	Koval, Viacheslav; Christopoulos, Constantin; Tremblay, Robert
YVR-0200-2017	Innovative Solutions to Seismic Design Challenges for the SFOBB I-80 WB Ramps at Yerba Buena Island	Lee, Hohsing
YVR-0234-2017	Seismic Performance and Failure Mechanism Study of Double Deck Bridges by Pushover Analysis	Zhang, Jie; Yi, Jiang; Li, Jianzhong
YVR-0302-2017	Comparative Study of a Set of Codes for the Seismic Design of Buildings	Santos, Sergio; Giarelis, Christos; Traykova, Marina; Bucur, Carmen; Zanaica, Luca; Lima, Silvio
YVR-0602-2017	Seismic assessment of a vernacular rammed earth building	Libricci, Camilla; Oliveira, Daniel; Silva, Rui
YVR-0421-2017	An efficient seismic retrofit for the Capodichino viaduct	Viviani, Marco; Viviani, Enrico; Mardegan, Andrea; Contin, Alessandro
Structural Health Monitoring		
YVR-0180-2017	Wind-induced Modal Identification of the Bosphorus Bridge using SHM-Structural Health Monitoring Data	Bas, Selcuk; APAYDIN, NURDAN; Catbas, Fikret
YVR-0389-2017	Traffic Response Pattern of Cable-Stayed Bridge as a Comparison Tool for SHM	Sokol, Milan; Venglar, Michal; Aroch, Rudolf; Kopacik, Alojz; Kyrinovic, Peter; Erdelyi, Jan; Sismisova, Zuzana; Lamperova, Katarina
YVR-0296-2017	Thermal behaviour of a concrete cable-stayed bridge in Algeria	Santos, Louis; Xu, Min; Vieira, Tiago
YVR-0787-2017	A frequency domain tool for investigation of wind response of TLP suspension bridge	Papinutti, Mitja; Marley, Mathias; Bruer, Arne; Hatami, Afshin; Pathak, Rakesh; Bhide, Shri



YVR-0321-2017	Tunneling Appropriate Computational Models from Laser Scanning Data	Truong-Hong, Linh; Laefer, Debra
YVR-0374-2017	Structural Monitoring of a Closure Strip in the Staged Construction of a Slab-on-Girder Bridge on Highway 401	Au, Alexander; Mermigas, Konstantinos
Structural Steel: Research and Design		
YVR-0647-2017	Experimental Study on Mechanical Behavior of T-shape Stiffened Orthotropic Steel-concrete Composite Bridge Decks	Wang, Xiaojian; Su, Qingtian; Jiang, Xu; Qiang, Xuhong
YVR-0097-2017	Experimental and Numerical Studies on Post-Fracture Behavior of Simply Supported Composite Twin I-Girder Bridges	Lam, Heang; LIN, Weiwei; Yoda, Teruhiko
YVR-0115-2017	A New Improved Type of Friction Connection – An Experimental Study	Varedian, Mattias; Collin, Peter; Eriksson, Kjell
YVR-0171-2017	Structural Efficiency of Cold-Formed Steel Beams with Stiffeners in the Web	Rodrigues, João; Laím, Luís
YVR-0273-2017	Simulating composite bridges with corrugated steel webs using spatial grid model	XU, Dong; LEI, JUN; Turmo, Jose
YVR-0355-2017	The Fatigue Research on Long Span Steel Bridge for High Speed Railway in China	liu, xiaoguang
Cable Stayed Bridges I: Design and Rehabilitation		
YVR-0511-2017	Design of timber-concrete composite bridges with under-deck stay cables	Lyu, Zhan; Málaga-Chuquitaype, Christian; Ruiz-Teran, Ana
YVR-0418-2017	A tensioning-belt-cable-bridge above the Kaponiggraben in Austria – design and realization	Olipitz, Michael
YVR-0727-2017	Risk Based Inspection Method for Cable Supported Bridges	Colford, Barry; canimore, brett; Beabes, Shane
YVR-0641-2017	The 2nd Wuhu Yangzi River Bridge: a 806m Span Cable-stayed Bridge use U Shape Anchoring System	MA, Zuqiao; HU, Ke; SHI, Xuefei; RUAN, Xin
YVR-0107-2017	Modal parameter identification of a curved cable-stayed bridge model based on EDA and SSI	Zhou, Xiaohang; Shan, Deshan; LI, Qiao; Cao, Lu
YVR-0521-2017	Third Bosphorus Bridge, A Lenders' Technical Advisor Perspective	FAROOQ, ABDUL
Quality Control For The Efficient Management Of Existing Bridges (WC 4) Th-1		
YVR-0634-2017	COST TU 1406 - An overview of European Standardization on Quality Control of Road Bridges	Matos, Jose; Casas, Joan; Fernandes, Sergio
YVR-0695-2017	Performance Indicators for RAMS SHEEP performance	Hoj, Niels, Peter; Stipanovic Irina; Klanker Griel
YVR-0704-2017	A proposal for classification of key performance indicators for road bridges	Limongelli, Maria; Orcesi, Andre
YVR-0676-2017	A novel Quality Control Framework for the management of existing road bridges	Hajdin, Rade
YVR-0725-2017	Decision support for maintenance and upgrading of existing bridges	Honfi, Dániel; Leander, John; Björnsson, Ivar; Plos, Mario; Zandi, Kamyab; Magnusson, Jonas; Lechner, Thomas; Gabrielsson, Henrik
YVR-0146-2017	Updating Life-Cycle Performance Model of Bridge based on Inspection Data	Lee, Jin Hyuk; Cha, Kyunghwa; Ahn, Sang Mi; Kong, Jung Sik
POSTER SESSION 1		
YVR-0125-2017	Filling of strand corrosion products in cracked concrete based on accelerating corrosion method	Wang, Lei; Dai, Lizhao; Ma, Yafei; He, Xianfeng; Zhang, Jianren
YVR-0340-2017	Effect of residual stresses on the overall buckling behavior of welded box-section columns under axial compression loading	Hu, Ying
YVR-0801-2017	Polyurethane flexible plug expansion joints – Characteristics, benefits and case studies	Meng, Niculin; Gallai, Gustav; Baillés, Borja; O'Suilleabhain, Colm



YVR-0040-2017	Development of a modular footbridge system with pre-tensioned CFRP reinforcement	Perse, Sophia; Stark, Alexander; Will, Norbert; Hegger, Josef
YVR-0720-2017	Life-Cycle Cost Analysis of Super Long-Span Cable-Stayed Bridges with Steel or CFRP Cables	Liu, Yue; Du, Guangli
YVR-0174-2017	Rehabilitation of Deteriorated Timber Piles with Fiber Reinforced Polymer Composites	Menkulasi, Fatmir; BAGHI, Hadi; Hall, David; Farzana, Nahid
YVR-0072-2017	Experimental thin-walled U-profile footbridge made of UHPFRC	Tej, Petr; Kněž, Petr; Blank, Marek
YVR-0631-2017	Full Live Load Test of a Cable Stayed Bridge	Trowland, Morgan; Robazza, Brook
YVR-0085-2017	IZMIT Bay Suspension Bridge - Wind induced vibrations	INOUE, Manabu; Takai, Yusuke; Uzun, Mecit; Kawakami, Takeshi
YVR-0401-2017	A monolithic approach for modelling viscoelastic materials in civil engineering	Kraus, Michael; Niederwald, Michael
YVR-0686-2017	Multi span suspension bridge on floating foundations - behaviour under operation	Holtberget, Simen; Veie, Johannes; Jena, Parthasarathi; Dørum, Cato; Villoria, Bruno
YVR-0442-2017	The effect of constraining measures for road traffic on highway bridges	Nowak, Marcel; Fischer, Oliver
YVR-0496-2017	Harnessing Results of Nonlinear Dynamic Soil Structure Interaction Analysis in Reinforcement Design of an Underground Rail Station	Tomek, Pavel; Chok, Kermin
YVR-0345-2017	Rosedale Overhead: Functional Upgrades, Structural Rehabilitation and Seismic Retrofit	O'Hagan, Sean; Khan, Saqib; Holmes, Keith; Hamersley, Bruce; Saiedi, Reza
YVR-0346-2017	Seismic Performance of Cross Laminated Timber (CLT) Platform Building by Incremental Dynamic Analysis	Shahnewaz, Md; Tannert, Thomas; Alam, Shahria; Popovski, Marjan
YVR-0420-2017	Energy Absorbing Connectors for Blast Resistant Design	Oswald, Charles; Bazan, Marlon
YVR-0237-2017	Continuously welded rails on temporary bridge decks	De Backer, Hans; Mys, Jan; Schotte, Ken
YVR-0077-2017	Structural performance of modern timber bridges in Japan	Honda, Hideyuki
YVR-0534-2017	Northeast Anthony Henday Drive / Yellowhead Trail System Interchange – Design Challenges and Innovative Solutions	Tromposch, Eric; Lewis, Myles; MacLaggan, David
YVR-0006-2017	Recommendations for proof load testing of reinforced concrete slab bridges	Lantsoght, Eva; van der Veen, Cor; de Boer, Ane; Hordijk, Dick
YVR-0252-2017	Method for placing Prefabricated Slab Elements on Bridge Decks	Fuchs, Kerstin; Gaßner, Georg; Kollegger, Johann
YVR-0397-2017	Performance Analysis of Recycled and Natural Aggregate Concrete Column with Varying Design Parameters	Hossain, Mosharef; Alam, Shahria
YVR-0548-2017	Rehabilitation and Superstructure Replacement of the Miles Canyon Wooden Suspension Bridge	Ellis, Reed; Cheng, Ren; Heal, Tyler; Palm, Annika
YVR-0405-2017	Fire Resistance Performance of Prefabricated Composite Floor System infilled with Phase Change Material	Park, Min Jae; Min, Jeong Ki; Yoon, Sung Won; Ju, Young K.



THURSDAY Sept 21 - 13:30-15:00		
Bridges Case studies 1		
YVR-0092-2017	The Ordsall Chord, Manchester, UK - an overview	Duguid, Brian; Whiteaker, Mike
YVR-0163-2017	Static and dynamic study of a 700 m long catenary bridge	Szabó, Gergely
YVR-0114-2017	Design and Erection of the Arrah-Chhapra Bridge	Robazza, Brook; Trowland, Morgan; Sohal, Gurpreet; Jeakle, David
YVR-0188-2017	Hagwilget Bridge, Canada: Replacement of entire truss nodes under live traffic.	Tarrell, Jack
YVR-0494-2017	US 60 Smithland Bridge - Navigation Modeling	Hunley, Tony; Hyner, Matthew; Kuntz, Chris; Perkins, Taylor
YVR-0168-2017	Comparison of methods for determination of load-bearing capacity of I-73 and KA-73 precast concrete bridge beams	Lehký, David; Novák, Drahomír; Kucek, Martin; Nezval, Michal
Structural Concrete: Design		
YVR-0337-2017	Refined Stress Check of Special Concrete Box Girder Bridges at Service Limit State	Zhang, Yu; XU, Dong
YVR-0139-2017	Modelling Beam-Column Joints for Progressive Collapse Analysis	Salgado, Rafael; Guner, Serhan
YVR-0112-2017	Modelling of structures and joints for performance-based design	Ozola, Lilita
YVR-0236-2017	Enhanced strut-and-tie model for reinforced concrete pile caps	Mathern, Alexandre; Chantelot, Gautier; Svahn, Per-Ola; Kettil, Per; Rempling, Rasmus; Engström, Björn
YVR-0122-2017	Rational Reinforcement utilizing Post-tensioning Anchorage Devices in Horizontal Force Adjustment for Closure Pour	Ono, Shuhei; Matsunaga, Hideaki; Toshinami, Tatsuaki
YVR-0209-2017	Formulated Tension Design for Post-tensioned Anchorage Zones and Relevant Equations in Chinese Concrete Bridge Design Code	Liu, Zhao; He, Zhiqi; Zhou, Linyun
Structural Steel: Practical Issues and Case Studies		
YVR-0008-2017	Modular steel lamella roofs by Hugo Junkers A lightweight structure from the 1920s	Tutsch, Jora,; Barthel, Rainer
YVR-0528-2017	Edge Distance of Steel Structural Members Using the Mechanical Repair Construction	Fujita, Masanori; Okazaki, Shunsuke; Mida, Yuki
YVR-0050-2017	Complexity Meets Craft: Fabrication and Erection Issues in Non Orthogonal Steel Structures	Boake, Terri
YVR-0231-2017	The steel roof of the new Lille Stadium – Its mechanical scheme, assembly and erection sequences	de Ville de Goyet, Vincent
YVR-0265-2017	Designing the River Irwell Crossing – The UK's first network arch bridge	Rusev, Rusi; Foster, Rufus; Abbott, Tim; Bistolas, Anthanasios
YVR-0248-2017	Load Rating of a Steel Bridge by Inclination Measurement	Su, Di; Eid, Jonathan; Nagayama, Tomonori
Design of structures for Earthquakes 2		
YVR-0457-2017	Calli extradossed bridge: fast track project for an extradossed bridge in seismic area	Ozkul, Ozgur; Yayim, Cagri; OZEL, C. Noyan; COMBESCURE, Etienne; Buchin-Roulie, Vanessa; FABRY, nicolas; Erdogan, Julien-erdem
YVR-0532-2017	Comparing Seismic and Tsunami Load Demands on Reinforced Concrete and Concrete Filled Steel Tube Bridges	Stephens, Max; Winter, Andrew; Motley, Mike; Lehman, Dawn
YVR-0799-2017	Seismic retrofitting of existing structures – Common strategies and case studies	Mendez, Carlos; Moor, Gianni; Baillés, Borja; O'Suilleabhain, Colm
YVR-0380-2017	Cloud Accelerated Performance Based Seismic Design	Chok, Kermin; Tomek, Pavel; Clifton, Trent
YVR-0573-2017	Prediction of Post-Earthquake Damage of Reinforced Concrete Highway Bridges	Abo-El-Ezz, Ahmad; Nollet, Marie-José; Nastev, Miroslav



YVR-0482-2017	Performance Based Seismic Design of Shape Memory Alloy Reinforced Concrete Bridge Pier	Billah, A.H.M Muntasir; Alam, Shahria
Historic Structures 1		
YVR-0030-2017	Structural Evaluation and Load Rating of Lorne Bridge: A Historic Open-Spandrel Arch Bridge-Case Study	Salib, Sameh; Werner, Jonathan; Liu, Karen
YVR-0156-2017	Stabilisation of the gravity structure of the Romanesque Abbey of Payerne Switzerland	Brühwiler, Eugen; Martin, David
YVR-0232-2017	Historical Arched Stone Bridges and Their Long Lasting History in Turkey and Balkans	YILMAZ, SÜHEYLA
YVR-0759-2017	Current Status and Thinking of Chinese Ancient Bridges Protection	Wang, Dalei; Peng, Bo
YVR-0283-2017	Reviving and Repurposing the Iconic TWA Flight Center	Macht, Jeremy; Buckley, Ian; Wilcoxon, Dan
YVR-0366-2017	Preserving a well-loved Heritage Structure	Walters, Ian; Leggett, Casey
Cable Stayed Bridges II: Analysis and Optimization		
YVR-0606-2017	Numerical Study on 1200m-span Railway Cable-stayed Bridges with Four Different Girder Sections	Dai, Gonglian; Chen, Guorong; Liang, Jinbao; Yue, Zhe; Yang, Linghao; Gao, Jinjin
YVR-0279-2017	Parametric study of non-symmetric cable-stayed bridges	Jorquera-Lucerga, Juan Jose; Lozano-Galant, Jose Antonio; Turmo, Jose
YVR-0046-2017	Study of Tensional Countermeasures for The Parallel Strand Stayed Cable Based on The Equivalent Model with Series-parallel Connected Springs	Zhuang, Dongli; Xiao, Rucheng; Da, Xiao
YVR-0498-2017	Influence of Curvature Radius on Static and Dynamic Characteristics of Curved Cable-stayed bridge	Zhang, Erhua; Shan, Deshan; Guo, Shan; Ren, JianXin; Yang, Rui
YVR-0020-2017	The Use of Crossing Stay Cables to Add Stability to Towers of Multi Span Cable Stayed Bridges	Jackson, Chris
YVR-0280-2017	Analysis of cable-stayed bridge construction	Lozano-Galant, Jose Antonio; XU, Dong; Turmo, Jose
Modern Wind Turbines - Challenges And New Design Technologies For Wind Turbine Structures, (WC 2) Th-2		
YVR-0461-2017	Challenges for tower structures of modern wind turbines	Rauch, Marion; Knobloch, Markus
YVR-0537-2017	Concrete towers out of semi-precast elements - erection of a prototype tower section	Fischer, Ilja; Schönweger, Maria; Kollegger, Johann
YVR-0282-2017	Surrogate Modelling For Fatigue Damage of Wind-Turbine Blades Using Polynomial Chaos Expansions And Non-Negative Matrix Factorization	Mylonas, Charilaos; Abdallah, Imad; Chatzi, Eleni
YVR-0326-2017	Fatigue assessment and damage detection of wind turbine structures by continuous health monitoring	Höffer, Rüdiger; Tewolde, Simon; Bogoevska, Simona
YVR-0788-2017	Dynamic Analysis of Innovative Hybrid Wind Mill Tower Considering Soil Structure Interaction	shah, hemal; Desai, Atul
Advancing the Design, Engineering, Analysis and Operations of Bridges		
	The Gamechanger: How BIM for Bridges triumphs over the competition and revolutionizes design workflows.	Michael Alestra
	Digital Delivery with Building Information Modeling for Bridges.	Meier, Francesca
	What happens in BIM, stays in BIM.	Schlereth, Kevin; Stone Eric N.
	Going Digital: Increase Performance and Productivity Using A Common Data Environment.	Tanase, Lee D.



THURSDAY Sept 21 - 15:30-17:00		
Corrosion		
YVR-0039-2017	Remaining Strength Evaluations and Reinforcement Methods of Plate Girders with Corrosion near Supports	Asao, Naoyuki; Fujii, Katashi; Ogami, Hiroshi
YVR-0080-2017	Effect of corrosion on bond performance of corroded pretensioned prestressed concrete beams	Zhang, Jianren; Yi, Ju; Ma, Yafei; Liu, Yang; Wang, Lei
YVR-0213-2017	Non-Destructive Testing for Detecting the Corrosions of External Post-Tensioned Tendons	Lee, Joo-Hyung; Cho, Jae-Yeol; Kim, Chul Young
YVR-0026-2017	Optimizing Performance of Concrete Structures with Zinc Coated Reinforcing Steel	Goodwin, Frank; Gagne, Martin; Pole, Shannon; Liuzza, Gabrielle
YVR-0792-2017	Experimental and analytical studies on the benefits of stainless steel rebar use in cracked concrete structures	Van Niejenhuis, Walbridge Hansson
YVR-0811-2017	The durability and service life benefits of Stainless steel rebar and the properties and features which are responsible	Rick Huza
Structural Concrete: Repair		
YVR-0669-2017	Investigation of Causes of Cracks in a Precast Concrete Closed Spandrel Arch Bridge with Corrugated Section	Ong, Chong Yong; Choong, Kok Keong; Tan, Geem Eng; Thong, Chin Mun
YVR-0079-2017	Assessing the Impact of Improper Placement on Reinforced Concrete Beam Behaviour	Zhang, Jiachen; Brault, Andre; Hoult, Neil
YVR-0101-2017	Concrete Deck Replacement – Use of Extra Coating Thickness Epoxy-Coated Bars	Villamizar, Sandra; Hull Henkhaus, Rachel; Ramirez, Julio
YVR-0795-2017	End Diaphragm Cracking of Box Girder Bridges due to Post-Tensioning: Case Study	Maree, Ahmed; Sanders, David
YVR-0675-2017	Bridge deck deflection: measures, modeling and lessons learned	Menétrey, Philippe
YVR-0541-2017	Concrete Structure Assessment using ACI 562: History and Possible Next Steps	Bartlett, Mike
Suspension Bridges		
YVR-0617-2017	Spreading of a suspension cable at the Rheinbridge Emmerich, Germany	Boué, Andreas
YVR-0140-2017	Replacement of the Macdonald Bridge Suspended Spans: Fabrication and Field Construction Works	Radojevic, Dusan; Kirkwood, Keith
YVR-0643-2017	Cable Erection of triple pylon(multi-span) Suspension Bridge, New Millenium Bridge	Yang, Kyu Young; Kim, Jung In; Choi, Jin Hyuk; Park, Tae Kwun; Kim, Jae Hong
YVR-0757-2017	Dehumidification - An Effective Strategy for Preserving the Cables of Suspension Bridges	Beabes, Shane; Colford, Barry; Bulmer, Mark
YVR-0086-2017	IZMIT Bay Suspension Bridge - Advanced Post tensioning system	INOUE, Manabu; Yanagihara, Masahiro; Durmaz, Muslum; Kara, Aydin; Bellikan, Erol; Pedersen, Flemming; Löhning, Thomas
YVR-0518-2017	Wind Load Evaluation based on the Field Measurement Data for the Design of a Suspension Bridge	Jung, Kilje; Kim, Chong Hyun; Kim, Gi Nam; Yoon, Eui Taek
Modern Construction Methods		
YVR-0270-2017	The Mersey Gateway Project, UK – Delivery to completion	Hogarth, Dean; Hurrell, Ilona; Williams, Barry
YVR-0325-2017	Lessons learnt from construction of several extradosed bridges	Bajo, Carlos
YVR-0468-2017	Constructing the Abraham Lincoln Bridge	Brestin, John; Osses, Claudio; Buch, Kevin; Finke, John



YVR-0605-2017	Innovative Technology of Yavuz Sultan Selim Bridge Design and Construction	PAIK, Hansol; KWAK, Sungtae; PARK, Wonjeong
YVR-0414-2017	Considering constructability in precast construction	Wium, Jan; Mostert, Louwrens
YVR-0633-2017	Atal Bridge: Efficient Delivery of Construction Engineering Services Using Information Communication Technology	Trowland, Morgan; Robazza, Brook
Historic Structures 2		
YVR-0436-2017	Back to the Future - Reconstruction and Revitalization of the BIKINI House in the centre of Berlin	Pekoll, Oskar; Lippert, Marion
YVR-0746-2017	Dangerous synergies causing failures of historical structures	Drdácký, Miloš; Cacciotti, Riccardo; Slížková, Zuzana
YVR-0722-2017	On the use minor and non-destructive methods for the safety evaluation of an historic RC bridge: the Bôco Bridge	Sánchez-Aparicio, Luis; Bautista-De Castro, Álvaro; Ramos, Luis; Sena-Cruz, José
YVR-0352-2017	Erection Engineering the Oculus - WTC Transportation Hub	Surtees, Tom; Petschke, Tobias
YVR-0756-2017	Analysis of Confederation Bridge Pier Behaviour Following Blizzard Using Pier Tiltmeter Monitoring System	McCallum-Mantha, Brittany; Newhook, John; McGinn, Donald
YVR-0233-2017	Contribution of Structural Analysis Studies Conducted on the Historical Bridges in Turkey to Restoration Decisions	YILMAZ, SÜHEYLA
Slabs as Structural Members		
YVR-0034-2017	Finite element investigation of the compressive membrane action effect on concrete slabs	Genikomsou, Aikaterini; Polak, Marianna
YVR-0178-2017	Field Testing and Computational Model Verification for Spread Slab Beam Bridges	Terzioglu, Tevfik; Hueste, Mary Beth; Mander, John
YVR-0572-2017	Experimental research on concentrated load transfer between steel and slender reinforced concrete slabs by high performance saw-tooth connectors	Reimer, Andreas; Schmid, Volker; Al-kroom, Hussein
YVR-0692-2017	Parametric study and reliability-based evaluation of alternate load path design in reinforced concrete slabs	Droogné, Didier; Caspeelee, Robby; Taerwe, Luc; Herraiz, Borja
YVR-0694-2017	Fundamental study on half-width slab deck replacement method for an existing composite steel girder bridge	KOBAYASHI, Shunsuke; YAMAGUCHI, Takashi; MATSUMOTO, Takashi; MITSUKAWA, Nobuhiro; OGURA, Tsukasa
YVR-0744-2017	Toward Practical Modelling and Assessment of Reinforced Concrete Slab Systems	Goh, Melvin; Hrynyk, Trevor
Impact of Climate Change		
YVR-0166-2017	Intelligent Future Building Skins – Studies on a Flat Plate Photobioreactor Prototype	Aßmus, Elisabeth; Weller, Bernhard; Haskell, Jakel; Sengewald, Timo
YVR-0730-2017	Climate Change: impact on snow load on structures and consequences on built environment	Croce, Pietro; Formichi, Paolo; Landi, Filippo; Marsili, Francesca
YVR-0729-2017	Climate impact optimization in concrete bridge construction – a thrust towards sustainable construction	Ekström, Daniel; Al-Ayish, Nadia; Simonsson, Peter; Rempling, Rasmus
YVR-0293-2017	Assessing climate impact on reinforced concrete durability with a multi-physics model	Flint, Madeleine; Michel, Alexander
YVR-0303-2017	Timber bridges – Load carrying behaviour according to climate changes	Franke, Steffen; Franke, Bettina; Schiere, Marcus; Müller, Andreas
YVR-0165-2017	Building-Integrated Photovoltaic - Standardization and Testing	Rehde, Franziska; Weller, Bernhard



Strengthening Of Old Steel Bridges		
YVR-0398-2017	Innovative strengthening of steel truss nodes by Ultra-High Performance Concrete	Ivanov, Stoyan; Geier, Roman; Rebelo, Carlos; Breda, Ricardo
YVR-0516-2017	Testing of coiled spring pins as shear connectors	Hällmark, Robert(proxy); colin, peter;moller, mikael
YVR-0515-2017	Monitoring of a bridge strengthened with post-installed coiled spring pins	Hällmark, Robert; Collin, Peter; Petersson, Mats; Andersson, Erik
YVR-0094-2017	Repair, Strengthening and Upgrading of Steel Bridges in The Netherlands	Snijder, H.H. (Bert); Hesselink, B.H. (Bert)
YVR-0219-2017	Prolife: Recalculating a steel railway bridge for determining strengthening measures	Burg, Mark; Steenbrink, Arjen; Hesselink, B.H. (Bert)
YVR-0575-2017	A Technique for Strengthening Existing Continuous Non-Composite Steel Girder Bridges Using Post-Installed Shear Connectors and Inelastic Moment Redistribution	Ghiami Azad, Amir; Kreitman, Kerry; Engelhardt, Michael; Helwig, Todd; Williamson, Eric



Friday 22 Sept. - 10:30-12:00		
Safety of Marine and Railway Infrastructure		
YVR-0218-2017	Renovation of the Existing Lighthouse for New Radar System in the Gulf of Thailand.	Buddee, Samard
YVR-0028-2017	Dynamic Analyses of Ship Impact to the New Bridge over Storstrømmen	Egede Andersen, Jacob; Talic, Edita; Kock, Henrik; Iqbal, Muhammad
YVR-0740-2017	Numerical simulation of the protection barriers for bridge piers against ship collision	Aygül, Mustafa; Darholm, Thomas; Thorsell, Mikael
YVR-0705-2017	Multi span suspension bridge on floating foundations - behaviour under ship impact.	Dørum, Cato; Sha, Yanyan; Storheim, Martin
YVR-0553-2017	Design and Launching of a Redundant Truss over a Busy Rail Yard	Furrer, Martin; Hasbrouck, Greg; Yuzna, Jack
YVR-0202-2017	Assessment of the structural safety of the Schiphol Railway tunnel	van der Sanden, Pieter; Scholten, Peter
Structural Behaviour under Seismic Conditions 1		
YVR-0048-2017	Effect of Ground Motion on Seismic Fragility Curve of RC Building: Natural and Synthetic Ground Motions	Pragalath, D.C.; Davis, Robin; Sarkar, Pradip
YVR-0065-2017	Seismic Performance of Concrete-Filled Double-Layer Steel Tubular Column under High Axial Load	LI, WENCONG
YVR-0143-2017	A New Seismic Retrofitting Method for Steel Bridge Piers in Japan	LIN, Weiwei; Taniguchi, Nozomu; Satake, Shinya; Okubo, Fujikazu; Kubo, Takeaki
YVR-0791-2017	Seismic Performance of Perforated Steel Plate Shear Walls Designed According to Canadian Seismic Provisions	Barua, Kallol; Bhowmick, Anjan
YVR-0371-2017	Structural design of a seismic isolated building in Matsumoto city	KIMURA, Toshiaki; Nagai, Yuki; Sasaki, Mutsuro
YVR-0547-2017	Pretensioned, Rocking Bridge Columns for Accelerated Construction and Enhanced Seismic Performance	Thonstad, Travis; Mantawy, Islam; Eberhard, Marc; Stanton, John; Sanders, David
Structural Analysis 1		
YVR-0179-2017	Column Removal Analysis of Bare Steel Gravity Frames Using Connection Behaviour from Physical Tests	Oosterhof, Steven; Nethercot, David; Driver, Robert
YVR-0036-2017	Three-Dimensional Non-Linear Analyses of Special Reinforced Concrete Moment Frames	Phillippi, Don
YVR-0123-2017	Live Load Distribution Factors for a Lightweight Movable Bridge Deck System	BAGHI, Hadi; Menkulasi, Fatmir; Parker, Jacob
YVR-0449-2017	Design challenges related to providing lateral load resistance to existing buildings in accordance with current Building Codes	Duntemann, John; Sfura, Jon; Hesam, Pedram
YVR-0196-2017	Numerical Analysis of Stress Concentration Factors of CFRP-Strengthened Fillet Welded T-joints	Qitong, Yu; Lewei, Tong
YVR-0082-2017	Influences on Determining Structural Reliability	Hertle, Robert; Brehm, Eric
Architectural and Structural Considerations in Design		
YVR-0024-2017	Shaping Forces: The symbiotic relation between Structure and Architecture	Smits, Joris
YVR-0210-2017	Plus-Energy facades with smart materials for future building envelopes	Horn, Sebastian; Weller, Bernhard; Seeger, Julia
YVR-0133-2017	The Shenzhong Link - A synthesis of architectural and structural design	Forsberg, Torben; Jensen, Poul Ove
YVR-0456-2017	Enabling a New Architectural Paradigm with Performance Based Design of a Base Isolated Sculptural Office Tower	Tomek, Pavel; Chok, Kermin
YVR-0687-2017	AESTHETICS: TWO RECENT ARCH BRIDGES IN INDIA	GULIANI, RBS
YVR-0431-2017	Securing visual quality and architectural intent while aiming for an affordable tender design - the procurement of Mersey Gateway Crossing	Halaczek, Bartlomiej



Bridges- case studies 2		
YVR-0193-2017	The Sir Ambrose Shea Lift Bridge – Placentia, Newfoundland and Labrador, Canada	Ajrab, Jack; McCall, Joanne; O'Connell, Ryan
YVR-0041-2017	Cross-Sections of long Composite Bridges - Performance based Design	Reintjes, Karl-Heinz
YVR-0297-2017	Conceptual Design, Detailed Design and Construction of the Terwillegar Park Stressed Ribbon Footbridge	Ellis, Reed; MacLaggan, David; Savard, Carl; Reske, Jason; Ahmed, Shahab
YVR-0327-2017	A Baseline Study of a Major Viaduct in Toronto for Strategic Planning for the Replacement/Rehabilitation of all Elevated Structure	Lam, Ting Chuen; Li, Edward
YVR-0590-2017	Stress Ribbon Bridge Construction: Terwillegar Footbridge, a Case-Study	Paulsen, Michael; Shields, Rowan
YVR-0342-2017	Case Study - Veterans Home Bridge Rehabilitation	Arellano, Eduardo; Skabar, Kip; Kishimoto, Yuki
Fibre optic Sensing		
YVR-0078-2017	Performance assessment of embedded distributed optical fiber sensors in reinforced concrete structures	Barrias, António; Casas, Joan; Villalba, Sergi
YVR-0119-2017	Distributed Deflection Measurement of Reinforced Concrete Elements Using Fibre Optic Sensors	Brault, Andre; Nurmi, Sara; Hoult, Neil
YVR-0412-2017	Distributed fibre optic sensor system to measure the progressive axial shortening of a high-rise building during construction	de Battista, Nicholas; Harvey, Ross; Cheal, Nick
YVR-0459-2017	Method for the validation of long-term temperature measurements from fiber optic sensors	Abdel-Jaber, Hiba; Glisic, Branko
YVR-0277-2017	Distributed Sensing to Assess the Impact of Support Conditions on Slab Behaviour	Nurmi, Sara; Mauti, Gabriella; Hoult, Neil
YVR-0458-2017	Prestress loss monitoring using long-gauge fiber optic sensors	Abdel-Jaber, Hiba; Glisic, Branko
Challenges With A Deteriorating Major Structure – The Existing Champlain Bridge		
YVR-0517-2017.R1	The Existing Champlain Bridge - Overview of Issues – The Owner's Perspective	Carlin, Glen
YVR-0714-2017.R1	The Existing Champlain Bridge – Developing a Customized Inspection and Assessment Methodology	Langlois, Anne-Marie
YVR-0598-2017.R1	The Existing Champlain Bridge - Assessment of Structural Deficiencies	Griezic, Andrew; Lizotte, Jean de Gaspé; de la Puente, Alejandro; Demers, Francois; Lasheras, Gustavo
YVR-0599-2017.R1	The Existing Champlain Bridge - Strengthening Measures	Griezic, Andrew; Pepin, Francois; Lizotte, Jean de Gaspé; Demers, Francois; Lasheras, Gustavo
YVR-0530-2017.R1	The Existing Champlain Bridge – Instrumentation, Monitoring and Load Tests	Tinawi, Rene; Lavigne, Dominic; Crépeau, Louis; Sobhani, Ehsan
YVR-0535-2017.R1	The Existing Champlain Bridge - Assessment using Refined Analyses	Mitchell, Denis; Massicotte, Bruno; Cook, William; Yildiz, Emre



POSTER SESSION 2		
YVR-0806-2017	Pendulum-type bearings / seismic isolators – solutions and case studies	Spuler, Thomas; Brüninghold, Max; Mendez, Carlos; O'Suilleabhain, Colm
YVR-0014-2017	Design of instrumented bearings for direct measure of bridge live loads	Dubbs, Nathaniel
YVR-0610-2017	Assessment of efficiency of intensity measures for performance-based travelling fire design	TESLIM-BALOGUN, ADEYANJU; Málaga-Chuquitaype, Christian; Stafford, Peter
YVR-0627-2017	The experience of duplex stainless steel as construction material in bridges; Result of inspection in built environments	Mameng, Sukanya; Tigerstrand, Claes; Gedge, Grahamn; McCray, Jonathan
YVR-0387-2017	Comparative Study between Reverse and Forwardly Constrained Optimal Design Method for Tall building Structure	Ma, Zhuang; Zhao, Xin
YVR-0618-2017	A Study on Parameter of Steel Strain of Precast Reinforced Concrete with Joint	Park, Jongho; Hong, Sungnam; Park, Sun-Kyu; Choi, Jinwoong
YVR-0620-2017	Ultimate load of cylindrically curved panels under uniform compression at straight edge and the influence of curvature	Guo, Hui; Zeng, Zhibin; liu, xiaoguang; JU, Xiaochen; ZHAO, Xinxin
YVR-0612-2017	Finite Element Analysis of Padstone in Different Sizes	Shu-jun, Fang; Qiong-lin, Zhao
YVR-0075-2017	Extending Building Façade Performance Requirements for Blast: Hazard and Injury Assessment Investigations	Marchand, Kirk; Davis, Carrie; Hadjoannou, Michalis; Earl, William
YVR-0492-2017	Numerical Evaluation of Moment Live Load Distribution Factors in NEXT D Beam Bridge	Semendary, Ali; Jawdhari, AKRAM
YVR-0616-2017	Deflection estimation of a steel box girder bridge using multi-channel acceleration measurement	Nagayama, Tomonori; Zhang, Chunbo
YVR-0093-2017	The Ordsall Chord, Manchester, UK - digital delivery of design	Duguid, Brian; Hyde, Jason; Pullan, Howard
YVR-0703-2017	Using game engines in visualizations and simulations of the bridges in the E39 fjord crossing project	Madsen, Preben; Holtberget, Simen; Dørum, Cato; Veie, Johannes; Jena, Parthasarathi; Villoria, Bruno
YVR-0585-2017	Northeast Anthony Henday Drive / Yellowhead Trail Interchange Flyover Ramp Bridges	Lewis, Myles
YVR-0674-2017	Hybrid structure for the ArtLab EPFL pavilion	Menétrey, Philippe
YVR-0253-2017	Derailment of an overhead gantry for the erection of precast concrete girders	Hingorani, Ramon; Tanner, Peter
YVR-0716-2017	5TH LNG TANK IN ZEEBRUGGE TERMINAL (BELGIUM)	Bañares Dorado, Miguel
YVR-0229-2017	The Third Bosphorus Bridge - Its longitudinal and transversal behaviour.	de Ville de Goyet, Vincent
YVR-0383-2017	Unique access system engineering innovation leads to important milestone at MLC Centre	Stathis, Paul; SCOTTO, GIULIO MARIA; Watson, John
YVR-0738-2017	Salmon River Bridge Replacement	Rebel, Coenraad; Singh, Raj
YVR-0103-2017	FLEXURAL PERFORMANCE OF TWO WAY CONCRETE SLABS REINFORCED WITH CARBON FIBER GIRD	Aljazaeri, Zena ; Alghazali, Hayder; Myers John
YVR-0295-2017	Retrofit of concrete Members with CFRP Rod Panels (CRP 195)	Jawdhari, AKRAM; Harik, Issam
YVR-0128-2017	Key Techniques for Performance-based design of metro depot cover structure	Chuanping, Liu
YVR-0084-2017	Aerodynamic challenges and solutions for structures of unique architecture	Solovev, Sergei



Friday 22 Sept. - 13:30-15:00

Shear in Concrete Members		
YVR-0035-2017	Opening effect on punching shear strength of RC slabs	Balomenos, Georgios; Genikomsou, Aikaterini; Polak, Marianna
YVR-0091-2017	Punching/Shear strength of a full-scale tested bridge deck slabs	SHU, JIANGPENG; Bagge, Niklas; Plos, Mario; Nilenius, Filip; Zandi, Kamyab; Johansson, Morgan
YVR-0290-2017	Punching shear behaviour of edge column connections in continuous flat slabs	Einpaul, Jürgen; Vollum, Robert; Ramos, António
YVR-0678-2017	Discrete modeling of reinforced and prestressed concrete beams under shear loads	Wan-Wendner, Lin; Vorel, Jan; Strauss, Alfred; Cusatis, Gianluca; Wendner, Roman
YVR-0083-2017	A Critical Take on Eurocode 2 Concerning the Assessment of Shear Capacity	Hertle, Thomas; Hertle, Robert; Gebbeken, Norbert
YVR-0581-2017	COMPARISONS OF SHEAR DESIGN PROVISIONS USED IN VARIOUS APPROACHES	Wei, Sihang; Kuchma, Daniel
Structural Behaviour under Seismic Conditions 2		
YVR-0772-2017	Seismic Performance of Columns with Grouted Couplers in Idaho Bridges	Ebrahimpour, Arya; Earles, Barbara
YVR-0104-2017	Effectiveness of FRCM System in Strengthening Reinforced Masonry Walls Subjected to Cyclic Loading	Al-Jaberi, Zuhair; Myers, John; ElGawady, Mohamed
YVR-0314-2017	Role of the Floor System in the Cyclic Response of Steel Gravity Framing	Donahue, Sean; Engelhardt, Michael; Clayton, Patricia; Helwig, Todd; Williamson, Eric
YVR-0214-2017	Shaking Table Test Using Scaled Model of RC Column Considering Time Variation from Similitude Conditions	Park, Jamin; Cho, Jae-Yeol
YVR-0732-2017	Improving seismic performance of the non-structural light steel framing systems using sliding bolted connections	Shahini, Marzie; Mirghaderi, Rasoul; Saedi, Gholamreza; Changizi, Karim; Forodi, Majid
YVR-0567-2017	Analysis on the Seismic Performance of the Fabricated Concrete Frame with Replaceable Energy Dissipation Connectors	Xie, Luqi; Wu, Jing; Li, Chunyu; Xia, Tianyang
FRP Structural Members		
YVR-0074-2017	Development, testing and construction of the hybrid FRP composite – concrete road bridge	Siwowski, Tomasz; Rajchel, Mateusz; Kaleta, Damian
YVR-0167-2017	Durable design of a 42m full FRP footbridge for Bergen, Norway.	Tromp, Elisabeth; van IJselmuiden, Kees; Persson, Stian; Boeters, Ton
YVR-0329-2017	Member Stiffness for Frame Analysis of GFRP Reinforced Concrete Structures	Bischoff, Peter
YVR-0505-2017	Bracing of large GFRP frames with very slender GFRP panels	Macchi, Niccolò; Zwicky, Daia
YVR-0287-2017	FRP composite bridges provide optimal solutions in urban areas	Schutte, William; Said, Mozafar; Blom, Kees
YVR-0644-2017	Static and dynamic performance of an orthotropic-deck pultruded fibre-reinforced polymer footbridge	Caprani, Colin; Satasivam, Sindu; Ahmadi, Ehsan; Ngan, Jun Wei; Zhang, Shaohua; Bai, Yu
Structural Analysis 2		
YVR-0621-2017	The imminent Future of Parametric Nodes	Mohsen, Alamir; Knaack, Ulrich
YVR-0009-2017	Designing with big DATA - Design, Analysis and Fabrication of a Complex Geometry Grid Shell	Correa, Cristobal
YVR-0758-2017	Analytical Study Assessment of a Bridge using Pretensioned Rocking Columns for Rapid Constructions	Mantawy, Islam; Thonstad, Travis; Sanders, David; Stanton, John; Eberhard, Marc
YVR-0805-2017	Smartcoco research project – Design of hybrid structures	Mengeot, Pierre
YVR-0677-2017	Long term deflections of Paudèze bridges	Menétrey, Philippe
YVR-0256-2017	Methodology for selection of production method in an early stage - improved conceptual design process	Karlsson, Mats; Rempling, Rasmus; Gylltoft, Kent; Plos, Mario



Structural Timber -1		
YVR-0064-2017	Composite Beams of Steel and Timber	Bradford, Mark; Hassanieh, Amirhossein; Valipour, Hamid
YVR-0077-2017	Structural performance of modern timber bridges in Japan	Honda, Hideyuki
YVR-0100-2017	Robustness of Multi-Storey Timber Buildings	Mpidi Bita, Hercend; Tannert, Thomas
YVR-0306-2017	Innovative Solutions for Mid-rise Residential Passive House Wood Structure	Wong, Jermyn
YVR-0452-2017	Development of a Two-way Column-supported Flat Plate in Cross Laminated Timber	Schneider, Brett; Forrest, Aaron; Vobis, Yasmin
YVR-0349-2017	Comparison of CLT Design Methods to Composite Beam Theory	Schultz, Joshua
Bridges and Vibrations		
YVR-0310-2017	Application of Scaled Models in Vibration Testing of Bridges	Padilha, Diego; Araki, Yumi; Arjomandi, Kaveh; McGinn, Jared
YVR-0604-2017	Changing Bridge Aerodynamics under Nonstationary Winds	Wu, Teng
YVR-0551-2017	Flutter derivatives identification on a very large scale aeroelastic deck model	Rocchi, Daniele; Argentini, Tommaso; Diana, Giorgio; Omarini, Simone
YVR-0235-2017	Wind response of the New Varodd Bridge balanced cantilever	Svendsen, Martin
YVR-0486-2017	Transverse Acceleration causing damage in a masonry arch bridge	Nichols, John; Tomor, Adrienn
YVR-0307-2017	Ambient Vibration Testing of the Hawkshaw Bridge	Araki, Yumi; Arjomandi, Kaveh; Simpson, Robert
Fatigue: Cables, Orthotropic Deck, and Long Span Bridges		
YVR-0184-2017	Fatigue Damage Assessment of Stay Cables for Light Rail Transit Bridges	Coughlin, Reid; Jiang, Jianping
YVR-0187-2017	Fatigue inspection for orthotropic steel deck with infrared thermography	Okumura, Atsuhiko; Mizokami, Yoshiaki; Moriyama, Akira; Otou, Tokihide; Sakagami, Takahide; Izumi, Yui
YVR-0205-2017	Fatigue Performance Evaluation of Severely Corroded Steel Strands	Park, Yeun Chul; Kim, Chul Young; Yoo, Seung-min
YVR-0393-2017	A Critical Fatigue Crack in a Long-Span Truss Bridge; Cause Investigation and Measures	Nishikawa, Takafumi; Wang, Qu; Tashiro, Daiki; Nakamura, Shozo; Okumatsu, Toshihiro
YVR-0437-2017	Optimal Design and Fatigue Performances of Innovative Corrugated Orthotropic Steel Deck Plate-RPC Layer Composite Deck Structure	Zhang, Qinghua; Cheng, Zhenyu; Liu, Yiming; Bu, Yizhi; Li, Qiao
YVR-0699-2017	Fretting Fatigue Analysis of Bridge Stay Cables at Saddle Supports using Multiaxial Stress-Based Approaches	Mohareb, Sherif; Goldack, Arndt; Schlaich, Mike; Walbridge, Scott
The New Bridge Over The Saint Lawrence River In Montreal, Canada		
YVR-0766-2017	The New Champlain Bridge Corridor Project – Needs, Owner Objectives and Delivery Method Used for a World Class Project	Mailhot, Guy
YVR-0767-2017	The New Champlain Bridge – Performance and Design Criteria	Nader, Marwan; Sanjines, Alex; Choi, Carol; Duxbury, James
YVR-0768-2017	Design of the Cable-Stayed Bridge Signature Span of the New Champlain Bridge	Nader, Marwan; Baker, George; Patel, Hardik; Shi, Sam; Ingham, Tim
YVR-0769-2017	The New Champlain Bridge: Technical Challenges in Design of the Approach Viaducts	McGain, Zachary; Goulmot, Damien; Demirdjian, Sevak; Tremblay, Marco
YVR-0770-2017	Highway Approaches of the New Champlain Bridge Corridor	Demirdjian, Sevak; Najjar, Nicolas; Cloutier, Jocelyn
YVR-0771-2017	Innovative Means and Methods for the New Champlain Bridge	Osborne, Gonzalo; Rogerson, Jeff; Guitard, Frederic; Mylocopos, Andre



Friday 22 Sept. - 15:30-17:00		
Reinforced and Prestressed Concrete		
YVR-0377-2017	Assessment of the shear strength of existing post-tensioned bridges	Huber, Patrick; Huber, Tobias; Kollegger, Johann
YVR-0450-2017	Experimental and numerical investigations on the shear capacity of existing prestressed concrete bridges	Fischer, Oliver; Schramm, Nicholas; Gehrlein, Sebastian
YVR-0662-2017	Seismic collapse safety of RC circular bridge pier retrofitted with fibre reinforced polymer	Parghi, Anant; Alam, Shahria
YVR-0173-2017	Shear Strengthening of Pile Cap Girders Using Carbon Fiber Reinforced Polymer (CFRP) Strips	Shekarchi, William; Ghannoum, Wassim; Jirsa, James
YVR-0318-2017	Numerical simulation of long-term creep tests on prestressed beams	Van Mullem, Tim; Reybrouck, Nicky; Criel, Pieterjan; Taerwe, Luc; Caspeepe, Robby
YVR-0536-2017	Adaptive Prestressed Structures Realized by Utilization of Artificial Intelligence Techniques	Schnellenbach-Held, Martina; Steiner, Daniel
Innovative Structural Concepts- 1		
YVR-0583-2017	A Unique Approach to Rejuvenating a High Rise Building with Deteriorating Precast Cladding	Campbell, Mark
YVR-0667-2017	Design and Construction of a Lagoon Bank Protection Structure with Precast Counterfort Wall System	Tan, Geem Eng; Ong, Tai Boon; Choong, Kok Keong; Ong, Chong Yong
YVR-0206-2017	Botin Art Center in Santander, Spain	Lorenzo, Jose Maria
YVR-0152-2017	Research on the dynamic properties of piled structures using the neutral networks and the support vector machines	Deng, Haoyun; Jin, Xinyang; Gu, Ming
YVR-0753-2017	Structural Widening of 2-Span Continuous Prestressed Concrete Bridge: Structural and Seismic Implications	Philp, John
YVR-0332-2017	Calgary Airport Trail Tunnel Temperature Monitoring	Murdoch, Nathan; Azarnejad, Azita; Sharma, Ved; Kroman, Jadwiga
Seismic Protection of Structures		
YVR-0580-2017	Seismic Protection of the Eskişehir City Hospital in Turkey	Arranz, Raul; Braun, Christian; Huber, Peter
YVR-0176-2017	Numerical Study of the Seismic Behaviour of Variable Friction Base Isolation Systems	timsina, sandip; Calvi, Paolo
YVR-0263-2017	Seismic isolation of La Meynard Hospital, Martinique, France	Cynober, Charles; Vezin, Jean-Marc; Toth, Miklos
YVR-0743-2017	Former Dominion Archives Building Seismic Upgrade Case Study	Koop, Julien; Jabbour, Samer; Carson, Daniel
YVR-0672-2017	Shaking table test on a super long-span cable-stayed bridge subjected to spatially varying ground motions	Xie, Wen; Sun, Limin
YVR-0726-2017	Seismic Retrofit of the McIlraith Bridge	O'Connel, Ryan; Ajrab, Jack
YVR-0117-2017	A Novel Methodology for Optimum Seismic Performance-based Design of Friction Energy Dissipation Devices	Nabid, Neda; Hajirasouliha, Iman; Petkovski, Mihail
Pedestrian Bridges		
YVR-0796-2017	The dynamic evaluation of composite materials footbridges	Drygala, Izabela; Polak, Marianna; Dulinska, Joanna
YVR-0464-2017	Reliability under the Serviceability Limit State of Footbridges Subjected to Human-Induced Vibrations	Dey, Pampa; Walbridge, Scott; Narasimhan, Sriram
YVR-0015-2017	Vibration control of footbridges under pedestrian loading using tuned mass damper systems with eddy current damper technology	Saige, David; Engelhardt, Jürgen; Katz, Sebastian
YVR-0693-2017	Test and Simulation of Pedestrian-induced Vibrations in a Double-arch Footbridge with Curved Girder	Yang, Zheng; Jia, Buyu; Yu, Xiaolin; Yan, Quansheng
YVR-0333-2017	US Olympic Museum Footbridge	Potapova, Lana; Carter, Matt



YVR-0259-2017	New pedestrian overpass at Husum Station	Andersen, Ulrik; Saberi, Mogens
Structural Timber -2		
YVR-0715-2017	The development of timber as a construction material for bridges in Norway	Veie, Johannes; Stensby, Trond; Aartun, Yngve; Dyken, Tormod
YVR-0724-2017	Uncertainty of visual inspection on the reliability analysis of timber elements	Sousa, Hélder; Ribeiro, Sérgio; Matos, Jose; Branco, Jorge; Lourenco, Paulo
YVR-0749-2017	Case Study: University of British Columbia's 18-storey TallWood House at Brock Commons	Jackson, Robert; Fast, Paul
YVR-0755-2017	Simplifying Complex Problems: Use of Parametric Tools to Design and Build Complex Wood Structures	Voulpiotis, Konstantinos; Epp, Lucas; Epp, Gerald
YVR-0563-2017	Bending, vibration and long-term performance of timber-concrete-composites floors	Tannert, Thomas; Gerber, Adam
YVR-0241-2017	Long Term Performance of PresLam Structures: Are Post-tensioning Losses really an Issue?	Granello, Gabriele; Palermo, Alessandro; Pampanin, Stefano
Structural Glass		
YVR-0076-2017	Extending Glass Façade Performance Predictions for Natural and Man-made Hazards Using Accessible High Fidelity Formulations	Marchand, Kirk; Davis, Carrie; Sammarco, Eric; Bui, Joeny
YVR-0160-2017	Case Studies of Reinforced and Post-tensioned Glass Beams	Engelmann, Michael; Weller, Bernhard
YVR-0207-2017	Effect of Regrinding on the Edge Strength of Tempered Glass	Lohr, Katharina; Weller, Bernhard
YVR-0347-2017	Glass Failure Prediction Model for Out-of-Plane Bending of Waterjet-Drilled Holes	Schultz, Joshua; Knowles, John; Morse, Stephen
YVR-0462-2017	Building with glass as structural element in alpine areas	Siebert, Barbara; Herrmann, Tobias
YVR-0673-2017	Comparison of Unconventional Testing Methods for Mechanical Characterization of Polymeric Materials in Modern Glass Structures	Drass, Michael; Schuster, Miriam; Schneider, Jens
Sustainable Structures In Practice		
YVR-0268-2017	Sustainable Bridges - Implementing Owner Sustainability Requirements	Martin, Andrew
YVR-0348-2017	Low Level Road Bridges, a Sustainable Project	Skabar, Kip; Wee, Frances; Kishimoto, Yuki; Dunford, Eric; Arellano, Eduardo
YVR-0789-2017	How can a Bridge Engineer contribute to a sustainable infrastructure?	Gabler, Markus
YVR-0682-2017	Holistic Consideration of the Sustainability on Steel-Concrete-Composite Highway and Railway Bridges	Kuhlmann, Ulrike; Pascual, Ana; Breunig, Stephanie
Adding Value Through Innovation In Structural Design		
YVR-0500-2017.R1	Adding value through innovation in structural design: 1 – Introduction, with reference to innovation in bridge design	Firth, Ian
YVR-0556-2017.R1	Adding value through innovation in structural design: 2 – Innovative design of timber structures	Fast, Paul
	Adding value through innovation in structural design: 3 – Creativity and innovation in building structures	Franck, Lee
YVR-0709-2017.R1	Adding value through innovation in structural design: 4 – Three Novel Applications of Bridge Isolation Bearings near Vancouver, BC	Harvey, David
YVR-0663-2017.R1	Adding Value through Innovation in Structural Design: 5 – Digital Workflows and Emerging Computational Design Tools	Leach, Jon



Saturday Sept 23 - 8:30-10:00		
Durability		
YVR-0797-2017	Durability assessment of reinforced concrete structures due to chloride ingress up and beyond induction period	Smilauer, Vit; Hajkova, Karolina; Jendele, Libor; Cervenka, Jan
YVR-0368-2017	Concepts for Durable Post-tensioned Concrete Bridges over Highways in Ontario, Canada	Mermigas, Konstantinos
YVR-0728-2017	THE 5% SOLUTION	Malhotra, Ashok; Carson, Daniel; Funnell, Scott; Koop, Julien
YVR-0087-2017	A Meso-scale Numerical Model for Predicting Chloride Diffusivity in Concrete	hu, shouwang; peng, jianxin; Zhang, Jianren; peng, hui
YVR-0697-2017	Short and long-term behaviour of RC slabs strengthened with prestressed CFRP laminate strips	Sena-Cruz, José; Correia, Luís; França, Paulo; Michels, Julien
YVR-0070-2017	Sustainable retrofitting of existing buildings in peripheral residential districts of big European cities	Traykova, Marina; Traykova, Vesela
Structural Strengthening and Retrofit case studies		
YVR-0601-2017	Strengthening of a Twin Arch Bridge in Goa, India for Stability	Roy, Sougata; Bhowmick, Alok; Singh, C
YVR-0739-2017	Fort Nelson River Bridge Superstructure Replacement & Substructure Strengthening	Amiel, Chad; Rebel, Coenraad; Singh, Raj
YVR-0591-2017	Post-Earthquake Analysis, Retrofit, and Future Performance of the Centinela Building	Sanchez, Telmo Andres; Paredes, Patricio; Camino, Santiago; Paredes, Raul; Guzman, Juan Francisco; Robalino, Andres
YVR-0477-2017	Condition Assessment and Renewal Options Analysis for the Queensborough Bridge	Leggett, Casey; Martin, Tony; Friesen, Kevin
YVR-0415-2017	Innovative solution for bridge strengthening (for widening and compliance to new codes) by modification of initial static scheme	Buchin-Roulie, Vanessa; KACZKOWSKI, Nicolas; DE REMY DE COURCELLES, Charles-Louis; Toth, Miklos
YVR-0027-2017	Shear and flexural strengthening of existing bridges with textile reinforced mortar	Adam, Viviane; Herbrand, Martin; Hegger, Josef
Fatigue and Fracture: Design and Assessment		
YVR-0322-2017	Fatigue damage evaluation using S-N curves obtained by different data fitting methods	Leonetti, Davide; Maljaars, Johan; Allaix, Diego; Hashemi, Bahman
YVR-0754-2017	Fatigue Design of high stressed aluminium structures under cycling loading	Rengstl, Mathias; Radlbeck, Christina; Mensinger, Martin
YVR-0773-2017	Fatigue Performance of a Precast Hybrid FRP-Reinforced Bridge Truss Girder System	El-Badry, Mamdouh; Moravvej, Mohammad; Joulani, Parham
YVR-0408-2017	Assessment of the brittle fracture behaviour of old mild steel structures	Stroetmann, Richard; Sieber, Lars
YVR-0276-2017	Simulating ductile crack growth in carbon steel using an extended finite element method (XFEM)	Hassan, Muhammad Shariq; Goggins, Jamie; Salawdeh, Suhaib
YVR-0432-2017	Fatigue Evaluation and Parametric Study on Orthotropic Steel Deck Composed of a New-Type of U-rib with Upset Webs	Luo, Pengjun; Zhang, Qinghua; Xu, Gongyi; Bu, Yizhi; Li, Qiao
Innovative Structural Concepts- 2		
YVR-0317-2017	Columbia River Skywalk - Turning a Need into a Landmark	Gubbins, Julie; Cap, Roman; Alca, Nedim
YVR-0319-2017	ABC on LBJ Express Project – Innovative bent cap design and beam placement.	Gonzalez Fernandez, Jesus
YVR-0370-2017	Upgrading the Yellowhead Highway in Jasper National Park	Woolford, David; Gagnon, Darrel
YVR-0386-2017	Shrinkage and Creep of Mega Concrete Filled Steel Tubular Column in Super Tall Steel Building	Fang, Baoyi; Zhao, Xin; Yuan, Juyun
YVR-0343-2017	Robust Bridge Design Framework to Blast, Fire, and other Extreme Threats	Mueller, Kevin; Marjanishvili, Shalva
YVR-0255-2017	Comparative Assessment of Bridges designed according to Balanced Lift Method and Balanced Cantilever Method	Gaßner, Georg; Fuchs, Kerstin; Kollegger, Johann



Novelty in Construction		
YVR-0481-2017	Creative Construction Method for an Attractive Tied Arch Bridge	O'Reilly, James; Hamersley, Bruce; Wu, William
YVR-0504-2017	Accelerated Bridge Construction (ABC) in Idaho: The State-of-the-Art Bridge Technologies, Current Practice, and Future Research	Mashal, Mustafa; Ebrahimpour, Arya
YVR-0696-2017	Construction Monitoring and Control for Jiaomen River Arch Bridge in Guangzhou	Zhu, Shiyao; Yan, Quansheng; Yu, Xiaolin; Jia, Buyu
YVR-0659-2017	Quality Control Plans for Girder and Frame Bridges	Linneberg, Poul; Masovic, Snezana; Hajdin, Rade
YVR-0038-2017	A manufacturing process approach to construction: design and application of a composite system for modular buildings	Chaillan, Gilles; Poirriez, Catherine; Wu, Sophie; Condon, Patrick
YVR-0670-2017	3D Non-Linear FE Model for a high Capacity Saw-tooth Connector Embedded in a Slender Reinforced Concrete Slab	Al-kroom, Hussein; Schmid, Volker; Reimer, Andreas
Fibre Reinforced Concrete and Polymer composites in Structures		
YVR-0155-2017	Case Study of Two ABC Projects in the U.S. Using PBE-UHPFRC	Nault, Gregory
YVR-0778-2017	Effectiveness of UHPFRC cover for the seismic strengthening of deficient bridge piers	Massicotte, Bruno; Jolicoeur, Olivier; Ben Ftima, Madhi; Lagier, Fabien
YVR-0451-2017	Punching resistance of flat slabs strengthened with an added layer of UHPFRC	Bastien-Masse, Malena; Einpaul, Jürgen
YVR-0584-2017	Strengthened Unreinforced Masonry (URM) structures with Ultra High Performance Fibre Reinforced (UHPFRC) layers under axial in-plane and horizontal out-of-plane loading	Lampropoulos, Andreas; Tsioulou, Ourania; Dritsos, Stephanos
YVR-0154-2017	Conceptual design and construction of lightweight R-UHPFRC bridges	Brühwiler, Eugen
YVR-0751-2017	Strengthening of plain concrete beams using Strain Hardening Geopolymer Composites (SHGC) layers	Al-Majidi, mohammed; Lampropoulos, Andreas; Cundy, Andrew
Bridges- Case studies 3		
YVR-0764-2017	The 102nd Avenue Bridge over Groat Road - Design Concept and Challenges	Andermatt, Matthias; Grondin, Gilbert; Ramsay, Bob; Habel, Katrin
YVR-0762-2017	Bridge scour monitoring: challenges and opportunities	Farooq, Mohammed; Azhari, Faezeh; Banthia, Nemkumar
YVR-0679-2017	Grayston Pedestrian Bridge: A Shared Perspective of South Africa's Connectivity and the Challenges of Getting There	Klassen, Darryl; Ptak, Jonah
YVR-0334-2017	Four High Performance Concrete Deck Configurations for Louisiana's Movable Bridges	Menkulasi, Fatmir; BAGHI, Hadi; Montes, Carlos; Parker, Jacob; Sandrock, Jean-Paul; Gomez, Sergio
YVR-0798-2017	Special Accommodation for Structural Steel Coating of Burlington Bay Skyway	Wang, David; Ostrowski, Joseph; Lo, Chak; Sidky, Sherif
YVR-0257-2017	Design of Gothenburg's new landmark bridge	Ekholm, Kristoffer; Darholm, Thomas
Challenges with Building Long Suspension Bridges		
YVR-0736-2017	Overview of Issues – The Owner's Perspective	Valenzuela, Matias; Dellarossa, Enzo; Vasquez, Raul; Canales, Holguer; Jensen, Lars; Vallejo, Ignacio
YVR-0783-2017	Service Life Performance Design of Chacao Bridge	Jensen, Jakob; Valenzuela, Matias; Jensen, Lars
YVR-0311-2017	Detail design of Chacao Bridge in Chile	Jakobsen, Svein; CHEIKH MHAMED, Aymen; Rønvik, Jarle; Eltvik, Liv; Grøv, Ole; Nordnes, Andreas
YVR-0422-2017	Some aspects of Chacao Bridge design	MONTENS, SERGE; Pich, Benedicte; Mauris, Georges; Gogny, Eric; Zahir, Omar; Byun, Hyung-Kyoon; Jakobsen, Svein; CHEIKH MHAMED, Aymen
YVR-0300-2017	Latest Practices for Existing Long-Span Suspension Bridges	Lee, Hohsing; Colford, Barry; Beabes, Shane
YVR-0717-2017	Challenges with Building the Longest Suspension Bridge in South America - Service Life Design of Concrete Structures	Langlois, Anne-Marie



Saturday Sept 23 - 10:30-12:00		
Bridges - behaviour and design		
YVR-0069-2017	Determination of dynamic properties of railway bridges through forced excitation	Lachinger, Stefan; Reiterer, Michael; Fink, Josef; Bruschetini-Ambro, Sebastian-Zoran; Vorwagner, Alois
YVR-0126-2017	Robustness-based assessment of railway masonry arch bridges	Neiva, Diana; Moreira, Vicente; Matos, Jose; Oliveira, Daniel
YVR-0161-2017	Behaviour of transition plates crossing high-speed railway bridge joints in Germany	Zhang, Sisi; Wenner, Marc; Marx, Steffen
YVR-0251-2017	High Toughness RC Railway Viaduct with Columns Reinforced by Arranging a Spiral Rebar inside of the Longitudinal Bars	Sugita, Kiyotaka; Osawa, Shogo; Kuwakino, Kosuke; Tsukishima, Daisuke
YVR-0056-2017	Testing Bridges to Failure - Experiences	Häggström, Jens; Bagge, Niklas; Nilimaa, Jonny; Sas, Gabriel; Blanksvärd, Thomas; Täljsten, Björn; Elfgren, Lennart; Carolin, Anders
YVR-0005-2017	Proof load testing of the viaduct De Beek	Lantsoght, Eva; Koekkoek, Rutger; Yang, Yuguang; van der Veen, Cor; de Boer, Ane; Hordijk, Dick
Innovative Structural Concepts - 3		
YVR-0784-2017	Concept, Realization and Monitoring of an advanced space structure	Reich, Stefan; Ebert, Jan
YVR-0622-2017	ORGANIC PRESTRESSING IMPACT IN MULTI-SPAN LARGE DECK CONSTRUCTION	Pacheco, Pedro; Coelho, Hugo; Resende, André; Carvalho, Diogo
YVR-0737-2017	Design, construction and strengthening of folded plate structures made by folding	Woerd, Jan Dirk; Hegger, Josef; Perse, Sophia; Chudoba, Rostislav
YVR-0382-2017	Besiktas stadium roof : innovative design and construction method	Grandi, Andrea; Erdogan, Julien-erdem; SCOTTO, GIULIO MARIA
YVR-0763-2017	New Dynamic Center Piece for Montreal Delivers on All Challenges	Schueller, Matthias; Montminy, Sylvain; Gastoni, Vincent; Fortier, Jimmy
YVR-0186-2017	Recent debris barriers near Whistler British Columbia designed using energy-balance techniques	Gygax, Adrian
Analysis and Optimization		
YVR-0565-2017	Self-anchored Suspension Bridge Model Updating with Artificial Neural Network and Modified Particle Swarm Optimization	Xia, Zhiyuan; Li, Aiqun; Li, Jianhui; Duan, Maojun
YVR-0162-2017	Analysis and optimization of a continuous composite bridge with uplift-restricted and slip-permitted connectors	li, zhengyuan; Tao, Mu Xuan; Nie, Jian-Guo; Fan, Jiansheng
YVR-0223-2017	Optimization of Sealing Plates for Hanger Connections at Tied Arch Bridges	Pfaffinger, Marjolaine; Mensinger, Martin
YVR-0286-2017	Rayleigh Ritz/Finite Element Analysis Of Plates By Singularity Functions	Baraka, Miljenko
YVR-0435-2017	Optimization of the Curved Pylon	Mikkonen, Atte
YVR-0294-2017	Finite Element Model Update of Cable Supported Bridges Using Large Scale Global Optimization Technique	Park, Wonsuk; Park, JunYong
Building Vibrations and Damper Design		
YVR-0124-2017	Numerical analysis of vertical pipe damper	Javanmardi, ahad; Ibrahim, Zainah; ghaedi, khaled; khatibi, hamed
YVR-0363-2017	Signal stationarization technique in output-only damping identification	Kim, Sunjoong; Kim, Ho-Kyung
YVR-0542-2017	Development of post-installed mass damper for automated warehouse	Yasukawa, Machiko; Takaki, Masayoshi; Kitamura, Haruyuki; Matsuda, Yoriyuki; Sato, Daiki
YVR-0648-2017	Design example of mid-story-isolated skyscraper with the viscous dampers to reduce the response acceleration in lower part of the building	Nakamizo, Daiki; Asakawa, Takeshi; Koitabashi, Yuichi
YVR-0560-2017	Optimizing nonlinear damper performance for multi-mode cable vibration control based on forced vibration responses	Sun, Limin; Chen, Lin



YVR-0493-2017	Design and Commissioning of a New Liquid Damper System for Wind-Induced Vibrations of Buildings	Ghisbain, Pierre; Mendes, Sebastian; Pinto, Marguerite; Malsch, Elisabeth; Scarangelo, Thomas
Floating Suspension Bridges		
YVR-0681-2017	Concept overview of a multi span suspension bridge on floating foundations	Holtberget, Simen; Veie, Johannes; Jena, Parthasarathi; Villoria, Bruno; Dørum, Cato; Madsen, Preben
YVR-0689-2017	Effect of Triangle Cables Configuration on the Behavior of Reinforced Concrete Submerged Floating Tunnel under Hydrodynamic Load	Wahyuni, Endah; Komara, Indra; Suswanto, Budi
YVR-0433-2017	Hydrodynamic analysis of the submerged floating tunnels under irregular waves	Kim, Seungjun; Won, Deok Hee
YVR-0033-2017	Basic design for a Submerged Floating Tube Bridge across the Digernessund	Eidem, Mathias; Minoretti, Arianna; Xiang, Xu; Fjeld, Anette
YVR-0786-2017	Coupled wind and wave load analyses of multi-span suspension bridge supported by floating foundations	Papinutti, Mitja; Marley, Mathias; Aas-Jakobsen, Ketil; Halvor Kaasa, Lars; Bruer, Arne; Veie, Johannes; Holtberget, Simen
YVR-0658-2017	Dynamic Analysis of a Suspension Bridge with a Floating Girder	Choi, Dong-Ho; Gwon, Sun-Gil
Concrete Materials and Effects on Structural Performance		
YVR-0623-2017	Aggregate effect on concrete cone capacity	Nincevic, Kresimir; Czernuschka, Lisa-Marie; Marcon, Marco; Boumakis, Ioannis; Wendner, Roman
YVR-0742-2017	An experimental study of crack development in flexural reinforced concrete members	Rasmussen, Annette; Hagsten, Lars
YVR-0529-2017	Assessment of the crack propagation in reinforced concrete	Meinhardt, Marcel; Keuser, Manfred
YVR-0052-2017	Sustainable Serviceability of Structural Concrete	Gayed, Ramez; Ghali, Amin
YVR-0134-2017	Anisotropic Concrete Compressive Strength	Hansen, Søren; Jørgensen, Henrik; Hoang, Linh
YVR-0586-2017	Geometric effects on Ultrasonic Pulse Velocity Method for Structural Assessment – Experimental Study on Mortar Specimens	Wiciak, Piotr; Cascante, Giovanni; Polak, Marianna
Application of Ultra High Performance Concrete		
YVR-0153-2017	Structural Behavior of UHPC with Micro-Reinforcement	Prager, Melanie; Schnellenbach-Held, Martina
YVR-0278-2017	Development of prestressed T-beams made of textile reinforced UHPC	Preinstorfer, Philipp; Kromoser, Benjamin; Kollegger, Johann
YVR-0615-2017	Flexural Performance of the UHPC Deck in a Novel Steel-UHPC Composite Girder	Shao, Xudong; Wang, Yan; Zhang, Dengjing; Cui, Bing; Wang, Yi
YVR-0594-2017	The new method strengthen U-shape girders by UHPC thin layer	liu, chao; Ji, He; WANG, Junyan; LIU, Guoping
YVR-0021-2017	Dynamic Response of Adjacent Prestressed Concrete Box Beam Bridge utilizing Reinforced UHPC Shear Keys	Semendary, Ali; Steinberg, Eric; Walsh, Kenneth
YVR-0109-2017	An innovative metro viaduct using UHPFRC	MONTENS, SERGE; Olive, Jérôme; Gautier, Pierre-Etienne; Bernardi, Sébastien
Opportunities And Innovations In The Performance Based Seismic Design And Retrofit Of Bridges		
YVR-0650-2017	Case Studies –Opportunities in the PBD of Bridges in British Columbia	Kennedy, Don; Dowling, Jason
YVR-0597-2017	Canadian Code Framework for Performance Based Seismic Design of Bridges	Mitchell, Denis
YVR-0182-2017	Innovative Design and Construction of Special Guideway Structures for Vancouver's New Evergreen Line SkyTrain Extension	O'Hagan, Sean; Jiang, Jianping
YVR-0589-2017	A Case Study on Evaluating the Performance Criteria of the 2014 Canadian Highway Bridge Design Code	Ashtari, Sepideh; Ventura, Carlos; Kennedy, Don
YVR-0781-2017	Application of Performance Based Design to Highway and Transit Structures	Gerin, Marc; Khan, Saqib;
YVR-0811-2017	Evergreen Line Performance Based Design – An Owner's and Designer's Perspective	O'Reilly, James; ; Hamersley, Bruce; Khan, Saqib;



Saturday Sept 23 - 13:30-15:00		
Innovative Structural Concepts - 4		
YVR-0381-2017	Incrementally launching method for bridges of Northern Marmara Motorway, Turkey	SCOTTO, GIULIO MARIA; Grandi, Andrea; Erdogan, Julien-erdem; Ozkul, Ozgur; Yayim, Cagri; alpman, aydin
YVR-0752-2017	Design and Detailing of Advanced Composite Rehabilitation with and without Composite Anchorage	Arnold, Scott
YVR-0011-2017	Eglinton Crosstown and Evergreen Line LRTs - Structural Design on Mass Transit Projects	Ding, Yuming; Woodhead, Roger; Chan, Samson
YVR-0514-2017	Replacing damaged PSC suspended span of Varsova Bridge across Vasai Creek on NH-8, Mumbai, India with Inovative Construction Method	Bhide, Dhananjay; Gupta, Mukesh; Dongre, Prashant
YVR-0579-2017	Transforming the former Waterloo International Terminal for commuter services	Leon Alonso, Alberto; Vermes-Gabos, Andras; Palmer, Ian; Slavchev, Nikolay; Bee, Stuart; Curran, Tom
YVR-0761-2017	T3 Minneapolis - America's Largest Modern MassTimber Building	Brown, Justin; Epp, Lucas
Structural Monitoring and Assessment		
YVR-0136-2017	Identification of Bridge Surface Roughness Profile Using Drive-by Technique	ZHAN, Ying; AU, Francis T.K.
YVR-0150-2017	Error analysis of structural system identification by observability method	Jun, Lei; XU, Dong; Lozano-Galant, Jose Antonio; Nogal, Maria; Turmo, Jose
YVR-0025-2017	Quantifying the value of seismic monitoring for emergency management of bridges based on performance indicators	Limongelli, Maria; Omenzetter, Piotr; Yazgan, Ufuk; Soyoz, Serdar
YVR-0570-2017	Contributing human and organizational factors for damage of Bos and Lommer plaza in Amsterdam	Terwel, Karel
YVR-0626-2017	Practicability of New and Innovative Products – Method for the Evaluation of Innovative Façade Components	Langner, Normen; Kleuderlein, Jonas
YVR-0777-2017	Fatigue Damage Identification in Precast Truss Girder Using Relative Wavelet Entropy	Moravvej, Mohammad; El-Badry, Mamdouh
Bridges: innovative solutions		
YVR-0635-2017	U Shape Anchoring System: Concept Design and Key Experiments	HU, Ke; MA, Zuqiao; SHI, Xuefei; RUAN, Xin
YVR-0476-2017	Wind Buffeting in Time Domain Analysis of Long-Span Bridges using RM Bridge	Hatami, Afshin; Pathak, Rakesh; Bhide, Shri
YVR-0587-2017	Radial Floating Ice Deflector: An Innovative Approach	Wei, Debin; Tasaka, Tom; Karas, Roman; Lim, Sherry
YVR-0267-2017	Field Load Test of Cable Crane for a Record-breaking Cable-stayed Bridge	YU, XIANGMIN; Chen, Dewei
YVR-0291-2017	Innovative bridge cables for the reduction of ice-shedding risk	Matejicka, Lubomir; Georgakis, Christos; Schwarz, Andreas; Philipp Egger, Philipp Egger
YVR-0137-2017	Artificial seabed - a mooring concept for crossing long and deep waterways	Reiso, Marit; Bjerkås, Morten; Søreide, Tore Helge; Hasle, Martin; Høyland, Kolbjørn; Frydenlund, Tonje; Furu, Trond; Bjuhr, Jonas
Fire response of structures		
YVR-0495-2017	Performance-Based Assessment and Mitigation of Fire Hazard for Bridges	Imani, Reza; Ghisbain, Pierre; Sideri, Jenny; Balsamo, Luciana; ASHRAFI, ALI
YVR-0711-2017	Performance-based fire design and the U.S. prescriptive guidelines: A comparative study	Elhami-Khorasani, Negar; Fang, Chenyang; Gernay, Thomas
YVR-0628-2017	Numerical modelling of slab-column concrete connections at elevated temperatures	Al Hamd, Rwayda; Gillie, Martin; Wang, Yong
YVR-0042-2017	Modeling of Bonding for Epoxy Resins between Steel Rebar and Concrete at Elevated Temperatures	Pothisiri, Thanyawat
YVR-0172-2017	Fire Design Methodology for Cold-Formed Steel C-Section Flexural Members	Laím, Luís; Rodrigues, João



YVR-0288-2017	Mechanical Properties of Stainless Steel Bolts at Elevated Temperatures	Hu, Ying
Risk and Safety		
YVR-0453-2017	Seismic Risk Assessment of Bridges in Jakarta Transportation Networks using Incremental Dynamic Analysis	Cripstyani, Mutiara; Kurniawan, Dimas; Guntorojati, Ireng; Kristiawan, Stefanus; Sangadji, Senot
YVR-0745-2017	The Probabilistic Analysis of Vienna Stadium Roof Structure	Rosko, Peter; Kralik, Juraj
YVR-0629-2017	Resilience-based design and damage-resistant technologies for an enhanced seismic performance of bridges.	Sarkis Fernandez, Ana; McHaffie, Brandon; Palermo, Alessandro
YVR-0441-2017	Modified traffic load models for reassessment of short-span highway bridges	Nowak, Marcel; Fischer, Oliver
YVR-0508-2017	CROSS International	Soane, Alastair
YVR-0440-2017	Safety level evaluation for existing rockfall protection gallery Rieinertobel	Custer, Rocco; Schubert, Matthias; Hess, Reto; Schellenberg, Kristian
Arch Structures		
YVR-0095-2017	Walton Bridge – a new arch bridge over the River Thames, UK	Smith, David; Chiarello, Manuela; Hendy, Chris; Wheatley, Rob
YVR-0068-2017	Concrete arch stability by the nominal stiffness method	Van Bogaert, Philippe; Schotte, Ken
YVR-0151-2017	Design of Kouchigawa Bridge on the Shin-Tomei Expressway - a Steel-Prestressed Concrete Composite Multiple-span Balanced Arch Bridge	Kuroda, Kenji;
YVR-0554-2017	A New Tied Arch to Replace a Rural Mississippi River Crossing	Hasbrouck, Gregory; Furrer, Martin
YVR-0245-2017	Lusail Feature Arch	Lyttle, Peter
YVR-0747-2017	Integrating Aesthetic Design and Structural Engineering on a Signature Bridge	Lima, Kris; Prozniak, Steven; Clare, Donna; Montgomery, C.
Soil Structure Interaction		
YVR-0324-2017	Soil Structure Interaction and Performance Based Design for the Port Mann Cable Stayed Bridge	Lund, Hans; Mitchell, Robert
YVR-0096-2017	Single Row Piles in Integral Bridge Foundations: Challenges and Solutions	Mukherjee, Debabrata; Jain, Abhishek; Balaji, Manju
YVR-0719-2017	Unique Design Considerations for Mechanically Stabilized Earth Walls in Transportation Widening Applications	Brabant, Keith
YVR-0723-2017	DETAILED DESIGN OF ROAD TUNNELS IN LAS GLORIAS SQUARE AND FEASIBILITY STUDY AT GROUND LEVEL (BARCELONA, SPAIN)	Bañares Dorado, Miguel
YVR-0010-2017	Composite Pile Foundation in Bridge: Code recommendation and Chilean experience	Trucco, Pablo; Valenzuela, Matias
YVR-0562-2017	Inelastic Design and Iterative FEA Modelling of Soil-Structure-Pipe Interaction on the Port Mann Water Supply Tunnel shaft – Case Study	Sherstobitoff, John; Zimmerman, Derek; Mitchell, Allen; Atukorala, Upul
SEI/ASCE-Special Session: Structural Engineering Global Interoperability		
	Global Interoperability – What and Why	Bell, Glen
	Codes and Standards	Ghosh, SK
	Knowledge Sharing	Ellis, Anne
	Professional Qualifications and Licensure	Dussenberry, Don