

THE CANADIAN HIGHWAY BRIDGE DESIGN CODE 2010

CODE CANADIEN SUR LE CALCUL DES PONTS ROUTIERS 2010

A CSCE-CSA Seminar

VANCOUVER January 18, 2011

EDMONTON January 19, 2011

CALGARY January 20, 2011

SASKATOON January 21, 2011

WINNIPEG January 25, 2011

TORONTO January 26, 2011

OTTAWA January 27, 2011

QUÉBEC 15 février 2011

MONTRÉAL 16 février 2011

MONCTON February 17, 2011

ST. JOHN'S February 18, 2011

VENUES

This seminar covers significant features of the chapters that contain the most notable changes in the 2010 CHBDC S6-06. The code incorporates the latest information and knowledge and reflects the current state of research in bridge design.

The presenters will explain the changes in Section 3 "Loads and Load Factors", Section 5 "Methods of Analysis", Section 10 "Steel Structures", Section 14 "Evaluation" and Section 16 "Fibre Reinforced Structures". The Commentaries for these sections and others have been streamlined and simplified for ease of use.

Cette formation couvre les aspects importants des sections contenant des changements majeurs dans la version 2010 du code S6-06. Les informations présentées reflètent les recherches les plus récentes dans la conception des ponts. Les conférenciers présenteront les nouveaux éléments apportés dans les domaines des charges, des méthodes d'analyse, des structures en acier, de l'évaluation et des structures renforcées de fibres.

WHO
SHOULD
ATTEND

PLUS
+

Participants will obtain a 20% discount on the purchase of the Supplements/Commentary S6.1S1-10 and S6S1-10 through www.shopcsa.ca

Les participants obtiendront un rabais de 20 % sur l'achat des Suppléments S6.1S1-10 et S6S1-F10 en visitant www.shopcsa.ca

Engineers involved in the planning, design, site supervision, evaluation and restoration of highway bridges should attend this presentation. They will understand the rationale behind the changes, interact directly with the authors of the code and get the answers that they need to know.

Les ingénieurs et gestionnaires impliqués dans la planification, la conception, la supervision et la rénovation des ponts routiers bénéficieront de cette formation.



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SPEAKERS / CONFÉRENCIERS

Baidar Bakht, Ph.D., P.Eng., JMBT Structures Research Inc.

F. Michael Bartlett, Ph.D., P.Eng., Professor, the University of Western Ontario

Brahim Benmokrane, Ph.D., P.Eng., F.ACI, FCSCE, FIIFC, NSERC Research Chair, Professor, University of Sherbrooke

Thierry Chicoine, P.Eng., Buckland & Taylor

Darrell Evans, P.Eng., Engineering Manager, Bridges & Highway Design, PEI Transportation and Infrastructure Renewal

Lisa Feldman, Ph.D., P.Eng., Assistant Professor, University of Saskatchewan

Darrel Gagnon, MSc., P.Eng., Executive Engineer, Buckland & Taylor

Gilbert Grondin, Ph.D., P.Eng., Professor, University of Alberta

Bruce Higgins, P.Eng., CBCL Limited

J. Peter C. King, Ph.D., P.Eng., Director, The Boundary Layer Wind Tunnel Laboratory, the University of Western Ontario

Paul King, P.Eng., VP Engineering, Rapid-Span Structures Ltd.

Christian Lemay, ing., MSc., Vice-président expertise, Ponts et ouvrages d'art, Dessau

John Newhook, PhD, P.Eng, Professor, Dalhousie University

Bob Ramsay, P.Eng., Manager, Bridges, AECOM

Dagmar Svecova, Ph.D., P.Eng., Associate Professor, University of Manitoba

Gamil Tadros, Ph.D., P.Eng., FCSCE, FCAI, SPECO Engineering, Ltd.

Nicolas C. Theodor, P.Eng., Head, Standards Engineer, Bridge Office, Ministry of Transportation of Ontario

Richard Vincent, P.Eng., Vice-président, Recherche et développement, Groupe CANAM

Any registrant may substitute another person eligible for the same fee at any time. Full refund will be issued when a written notice of withdrawal is received 2 weeks before the event. An administrative fee is deducted at this time. We regret that there will be no refunds issued past this date. In the event that CSCE must cancel the program, the participant will receive a full refund for workshop fees.

Un participant peut se substituer à un autre au même tarif à tout moment. Annulation : remboursement sur avis écrit reçu 2 semaines avant la formation. Des frais seront déduits. Aucun remboursement après cette date. Remboursement à 100 % en cas d'annulation de la formation par la SCGC.

CANCELLATION POLICY

	BC	AB, SK	MB, ON	QC	NB, NL
8:00	Registration/Breakfast	Registration/Breakfast	Registration/Breakfast	Inscription/Petit-déjeuner	Registration/Breakfast
9:00-9:45	Loads – Darrel Gagnon	Loads – Darrel Gagnon	Loads – Peter King	Charges – Christian Lemay	Loads – Darrell Evans
9:45-10:30	Methods of Analysis – Thierry Chicoine	Methods of Analysis – Lisa Feldman	Methods of Analysis – Baidar Bakht	Méthodes d'analyse –	Methods of Analysis – John Newhook
10:30	Coffee Break	Coffee Break	Coffee Break	Pause-café	Coffee Break
10:45-12:00	Fibre Reinforced Structures – Gamil Tadros	Fibre Reinforced Structures – Gamil Tadros (AB)/ Dagmar Svecova (SK)	Fibre Reinforced Structures – Dagmar Svecova (MB)/ Baidar Bakht (ON)	Structures renforcées de fibres – Brahim Benmokrane	Fibre Reinforced Structures – John Newhook
12:00	Lunch	Lunch	Lunch	Dîner	Lunch
1:15-3:00	Steel Structures – Paul King	Steel Structures – Gilbert Grondin	Steel Structures – Nicolas C. Theodor	Structures en acier – Richard Vincent	Steel Structures – Richard Vincent
3:00	Coffee Break	Coffee Break	Coffee Break	Pause-café	Coffee Break
3:15-4:15	Evaluation – Darrel Gagnon	Evaluation – Bob Ramsay	Evaluation – Michael Bartlett	Évaluation – Christian Lemay	Evaluation – Bruce Higgins

VANCOUVER

January 18, 2011
Sandman Hotel – Ballroom
180 West Georgia
Vancouver, BC V6B 4P4
604-681-2211

EDMONTON

January 19, 2011
Days Inn & Suites West
Edmonton – Linden/Oak Room
10010 - 179A Street
Edmonton, AB T5S 2T1
780-444-4440

CALGARY

January 20, 2011
Blackfoot Inn – MacLeod Room
9540 Blackfoot Trail SE.
Calgary, AB T2H 2B5
403-252-2253

SASKATOON

January 21, 2011
Hilton Garden Inn
Saskatoon Downtown – Ballroom South
90-22ND Street East
Saskatoon, SK S7K 3X6
306-244-2311

WINNIPEG

January 25, 2011
Holiday Inn Winnipeg South – Portage Ballroom
1330 Pembina South
Winnipeg, MB R3T 2B4
204-452-4747

TORONTO

January 26, 2011
Four Points by Sheraton – Windsor AB Room
6257 Airport Road
Mississauga, ON L4V 1E4
905-678-1400

OTTAWA

January 27, 2011
Chimo Hotel – Hudson Room
1199 Joseph Cyr St.
Ottawa, ON K1J 7T4
613-744-1060

MONTRÉAL

16 février 2011
Hotel Maritime Plaza – Le Grand Mât
1155, rue Guy
Montréal, QC H3H 2K5
514-932-1411

QUÉBEC

15 février 2011
Château Bonne Entente – Salle Dubé
3400, chemin Sainte-Foy
Québec, QC G1X 1S6
418-650-4500

MONCTON

February 17, 2011
Université de Moncton – Local 226, CEPS
Campus de Moncton
Moncton, NB E1A 3E9

ST. JOHN'S

February 18, 2011
Memorial University – Engineering Board Room EN4002
S.J. Carew (Engineering) Building
240 Prince Phillip Dr.
St. John's, NL A1B 3X5

PROGRAM / PROGRAMME

☐ **VANCOUVER** January 18, 2011☐ **WINNIPEG** January 25, 2011☐ **MONTRÉAL** 16 février 2011☐ **EDMONTON** January 19, 2011☐ **TORONTO** January 26, 2011☐ **MONCTON** February 17, 2011☐ **CALGARY** January 20, 2011☐ **OTTAWA** January 27, 2011☐ **ST. JOHN'S** February 18, 2011☐ **SASKATOON** January 21, 2011☐ **QUÉBEC** 15 février 2011

Name _____ Date _____

Company _____

Address _____

E-mail _____ Tel _____ Fax _____

CSCE Membership Number _____

(1) My Professional Specialty is _____

(2) At the end of the session, I will evaluate it as a success if it responds to my following objective(s)

_____**I authorize CSCE to send my participation record to EIC for CE units registration.** ☐ **YES** ☐ **NO**

Please check as appropriate to you. Dates refer to receipt of registration by CSCE. Payment must be received to confirm your place. Refreshments, lunch and course materials are included.

By January 3rd, 2011 / Au 3 janvier 2011

	BC	AB, SK, MB	ON, NB, NL	QC
CSCE Members / Membres SCGC	\$350 + tax = \$392.00	\$350 + tax = \$367.50	\$350 + tax = \$395.50	350 \$ + taxes = 395.50 \$
Newly enrolling CSCE Members / Nouveaux membres SCGC	\$375 + \$95 + tax = \$526.40	\$375 + \$95 + tax = \$493.50	\$375 + \$95 + tax = \$531.10	375 \$ + 95 \$ + taxes = 531.10 \$
Non-CSCE members / Non membres SCGC	\$450 + tax = \$504.00	\$450 + tax = \$472.50	\$450 + tax = \$508.50	450 \$ + taxes = 508.50 \$

After January 3rd, 2011 / Après le 3 janvier 2011

	BC	AB, SK, MB	ON, NB, NL	QC
CSCE Members / Membres SCGC	\$400 + tax = \$448.0	\$400 + tax = \$420.00	\$400 + tax = \$452.00	400 \$ + taxes = 451.50 \$
Newly enrolling CSCE Members / Nouveaux membres SCGC	\$425 + \$95 + tax = \$582.40	\$425 + \$95 + tax = \$546.00	\$425 + \$95 + tax = \$587.60	425 \$ + 95 \$ + taxes = 586.94 \$
Non CSCE Members / Non membres	\$500 + tax = \$560.00	\$500 + tax = \$525.00	\$500 + tax = \$565.00	500 \$ + taxes = 564.37 \$

Registrant Signature _____ Registration Date _____

Method of Payment (Check as appropriate to you)☐ **VISA** ☐ **MASTERCARD** ☐ **CHEQUE ENCLOSED** (payable to Canadian Society for Civil Engineering)

Credit Card Number _____ Expiry Date _____

STUDENT FEE / TARIF ÉTUDIANT

\$100 plus tax. / 100 \$ plus taxes

GROUP RATES / TARIFS DE GROUPE

(5 and more) are available. / (5 et plus) disponibles.

Please e-mail, fax or mail this form along with your payment to / Adresser votre inscription par courriel, télécopie ou courrier à : Mahmoud Lardjane,
CSCE, 4877 Sherbrooke W., Montreal, QC H3Z 1G9
E-mail: mahmoud@csce.ca
F: (514) 933-3504

CSCE MEMBERSHIP APPLICATION

Name _____ Date of Birth _____ Sex _____

Indicate Desired Mailing Address

☐ **Home Address** _____

T _____ F _____ E-mail _____

☐ **Employer** _____ Bus. Title _____

Bus. Address: _____

T _____ F _____ E-mail _____

Professional Registration/Memberships Held Province _____

Are you a member of any other Engineering Societies? If so, give details:

SOCIETY	PROVINCE(S)	MEMBERSHIP GRADE
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_____	_____	_____
_____	_____	_____

ACADEMIC RECORD/WORK EXPERIENCE (Please submit C.V. & photocopies of certificates or transcripts)

TECHNICAL DIVISION MEMBERSHIPS – Select up to three fields in order of preference, (i.e. 1,2,3)

<input type="checkbox"/> Cold Regions	<input type="checkbox"/> Eng. Mechanics/Materials Eng.	<input type="checkbox"/> Hydrotechnical	<input type="checkbox"/> Computer Applications
<input type="checkbox"/> Structural	<input type="checkbox"/> Transportation	<input type="checkbox"/> Construction	<input type="checkbox"/> Environmental
<input type="checkbox"/> Infrastructure Renewal	<input type="checkbox"/> Sustainable Dev.		

MEMBERSHIP GRADES

Member: holds a recognized educational qualification in Civil Engineering at the level recognized by a provincial Association of Professional Engineers and whose competence has been established by at least four years of professional experience. **Associate Member:** holds an engineering degree from a recognized university but has not yet acquired the qualifications for member status related to the extent of professional practice. **Technologist Member:** graduate of an approved Canadian Civil Engineering Technologist Program or its equivalent and is certified by a CSCE approved association. **Affiliate Member:** graduate of a university or other CSCE approved institution working in the field of civil engineering.

Signature _____ Date _____



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