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Managing Canada's Civil Infrastructure Assets: Scope, Technologies, Issues, and Opportunities

A One-Day Workshop

Ottawa, ON – Wednesday, May 12, 2004

Embassy West Hotel, 1400 Carling Ave. Ottawa, ON K1Z 7L8

Calgary, AB – Thursday, May 13, 2004

The Blackfoot Inn, 5940 Blackfoot Trail S.E. Calgary, AB T2H 2B5

Managing Canada's Civil Infrastructure Assets

Workshop Description

This workshop addresses the nature and extent of Canada's civil infrastructure, the asset management framework and component technologies applicable to infrastructure, the various financial, technical, resource, social, sustainability and other issues that must be faced and the future opportunities available for improving our asset management practices. Case examples will be used. The workshop will make use of the Technology Road Map (TRM), developed by CSCE, in collaboration with other agencies, as well as the National Guide for Sustainable Municipal Infrastructure (InfraGuide), a collaborative effort between the National Research Council of Canada, Federation of Canadian Municipalities, and Infrastructure Canada.

Who should attend?

Civil engineers from the public and private sectors and academia, as well as participants from the financial, accounting and public policy areas should attend.

Special Offer

A purpose-designed binder containing comprehensive information will be provided to each participant, which will include charts, graphs, and tables that are included in the presentation of each topic. Adequate time for questions will be provided.

The Presenters

Lynne Cowe Falls joined the University of Calgary after a 25-year career implementing infrastructure management systems for agencies across North America. She is a member of the Board of Directors of Transportation Association of Canada (TAC) and is the co-author (along with Ralph Haas) of TAC "Measuring and Reporting Highway Asset Value, Condition and Performance". Her recent research focus has been asset valuation of civil infrastructure.

Dr. Guy Félio, P.Eng. is with the National Research Council (NRC) and is Visiting Researcher at Infrastructure Canada - Program Operations. Dr. Félio joined the NRC in 1992 to become the Director of the Urban Infrastructure Rehabilitation (UIR) research program. He played a key role in a number of national infrastructure initiatives, including the creation of NRC's Centre for Sustainable Infrastructure in Regina and the CIS technology road map completed in 2003.

Dr Ralph Haas, CM, FRSC, FCAE, FCSCE, P.Eng. is Distinguished Professor Emeritus at the University of Waterloo. He has lectured and consulted worldwide and is the author or co-author of 10 books and 400 technical papers in the areas of transportation and infrastructure. In 2000, he received CSCE's first Sandford Fleming Award for "outstanding contributions to research and education in the field of transportation engineering."

AGENDA

- 8:00 Registration and Coffee
- 8:30 Introduction and Opening Remarks
Ralph Haas and Guy Félio
- 8:45 State of Canada's Infrastructure: Challenges and Opportunities
Guy Felio
- 9:30 Asset Management: Key Issues, Framework, Component Technologies
Ralph Haas
- 10:15 Coffee Break
- 10:30 Special Guest Presentation
Lynn Cowe Falls (Calgary)
- 11:15 Role of Life-cycle cost analysis in asset management with case illustration
Ralph Haas/ Guy Félio
- 12:00 Lunch
- 1:00 Initiatives to Improve Infrastructure Asset Management: Technology Road Map Context
Guy Félio
- 1:45 Breakout Session on Future Opportunities in Asset Management
- 2:45 Coffee Break
- 3:00 Role of Succession Planning (People, Technology, and Information)
Ralph Haas
- 3:30 Report from Breakout Session, General Discussion, Concluding Remarks
- 4:45 Conclusion

CONTACT INFO

INFORMATION AND REGISTRATION

Kar-Wei Cho
Events Coordinator CSCE
T: (514) 933-2634 ext. 29
F: (514) 933-3504
E-mail: events@csce.ca

This course is recognized by



www.csce.ca

REGISTRATION

Please fax or mail this form with your payment to: Kar-Wei Cho, Events Coordinator,
CSCE, 4920 de Maisonneuve Blvd.W., Suite 201, Montreal, QC H3Z 1N1, F: (514) 933-3504

☐ Ottawa, May 12, 2004

☐ Calgary, May 13, 2004

Enrollment is limited to assure interaction is personalized and encouraged.

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Group (5 or more) and student rates are available upon request.

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

PAYMENT

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

Registration Fees	Early Registration (On or before Apr. 14, 2004)	Open Registration (After Apr. 14, 2004)
CSCE Member	\$250 + tax = \$267.50 <input type="checkbox"/>	\$300 + tax = \$321.00 <input type="checkbox"/>
Newly Enrolling CSCE Member	\$300 + \$90 + tax = \$417.30 <input type="checkbox"/>	\$350 + \$90 + tax = \$470.80 <input type="checkbox"/>
Non-CSCE Member	\$420 + tax = \$449.40 <input type="checkbox"/>	\$470 + tax = \$502.90 <input type="checkbox"/>

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MEMBERSHIP APPLICATION

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Indicate Desired Mailing Address

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Professional Registration / Memberships Held Province _____

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

SOCIETY	PROVINCE(S)	MEMBERSHIP GRADE
_____	_____	_____

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)

_____ Cold Regions	_____ Eng.Mechanics/ Materials Eng.	_____ Hydrotechnical
_____ Computer Applications	_____ Structural	_____ Transportation
_____ Construction	_____ Environmental	

Membership Grades

Member: normally 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: normally 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.

Professional Affiliate: technologists, technicians and other persons working in the field of Civil Engineering.

Graduate Student Member: those engaged in full time postgraduate studies at a recognized Canadian university may be eligible.

Any registrant may substitute another person eligible for the same registration fee without charge at any time. Full refund will be issued when a written notice of withdrawal is received 2 weeks before the first day. 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 100% refund for workshop fees.

Signature _____

Date _____