



The Canadian Society for Civil Engineering
La Société canadienne de génie civil

Construction Division

2012 -2013 Planning Year



Table of Contents

| | |
|-------------------------------------|-------------------------------------|
| Table of Contents..... | i |
| 1. Introduction | Error! Bookmark not defined. |
| Mandate Statement..... | 1 |
| Status..... | Error! Bookmark not defined. |
| Organizational Chart | 1 |
| 2. Environmental Analysis..... | 1 |
| 3. Roles and Responsibilities | 1 |
| 4. Goals | 2 |
| 5. Key Actions | 2 |
| 6. Performance Measurement | 2 |
| 7. Concluding Remarks..... | 5 |



Mandate Statement

The mandate of the Construction Division is to represent those CSCE members interested in Construction activities in Canada and to support CSCE by conducting activities that are related to the fields of Construction.

Organizational Chart

The Construction Division is a volunteer-based Technical Division.

Chair: Mohamed Attalla

Vice Chair: Fernaz Sadeqhpour

Secretary Kasun Hewage

2. Environmental Analysis

Strengths:

- Active members are very committed to the activities of CSCE and the Construction Division.
- The results produced by Division members are of a high quality as measured on a global basis.
- Active members of the Construction Division represent all of the Canadian Universities that are active in Construction Engineering and Management research and teaching.
- A road map for the division research activities was established and all members participated in supporting the initiative of Dr. Thomas Froese in preparing a national document that outlines the division's members research activities. This was also followed up with an initiative for collaboration with IRC. As a result the first Canadian Students colloquium was organized for June 18-19, 2009 in IRC building London Ontario. It was also followed by the second in Ottawa in 2011.

Challenges:

- Resources are limited - the Division is comprised of a limited number of volunteer members with limits to the amount of time and resources for volunteer activities.
- Sustaining communication among members – a two-way flow of information is not easy to maintain without frequent opportunities for face-to-face communication with a majority of members.
- Participation from industry – the number of active Division members who are currently practicing in industry is historically low thus increasing the difficulty in identifying the needs of CSCE members from industry.

3. Roles and Responsibilities

- Assemble and disseminate information for those interested in construction.



- Provide networking opportunities for all CSCE members (e.g., academic, private and public industry) interested in construction.
- Promote construction engineering and management research and education.
- Support delivery activities of CSCE by providing domain expertise in the form of: technical projects, national lecture tours, publications, conferences, workshops, interdivisional activities, etc.

4. Goals

To support the broader CSCE goals (Life long learning, Leadership, Value added member services and Organizational excellence), the Division envisions its goals as:

1. Develop relationships between academic and industry members
2. Increase communication within the Division
3. Progressively support CSCE delivery activities at a high level of quality
4. Develop an “efficient” mechanism for information dissemination

5. Key Actions

For Goal 1: (Develop relationships between academic and industry members)

- Objective – CCA annual conference participation
- Objective – Participate in Construction Sector Council initiatives
- Objective – Participate in Canadian Council for Innovation in Construction
- Objective – produce industry workshop for specialty conference

For Goal 2: (Increase communication within Division)

- Objective – initiate a workshop for producing a national research network
- Objective – establish a web-based communication solution maybe with IRC

For Goal 3: (Progressively support CSCE delivery activities)

- Objective – support special issues of CJCE
- Objective – deliver specialty conference with international theme
- Objective – support CCE themes with construction submissions
- Objective – offer National Lecture Tour topic and speaker

For Goal 4: (Develop an “efficient” mechanism for information dissemination)

- Objective – establish a web-based dissemination solution
- Objective – Upgrade the website visibility

6. Performance Measurement

For Goal 1: (Develop relationships between academic and industry members)

| Performance Measures: | Baseline | 2011- 12 Target | 2012-2013 Target |
|------------------------------|---------------------------|------------------|------------------|
| industry event participation | 1 event every second year | 1 national event | CRC in Banff |



| Performance Measures: | Baseline | 2011- 12 Target | 2012-2013 Target |
|-------------------------------------|--------------------------------------|-----------------|------------------|
| industry targeted workshop | 1 workshop with specialty conference | 1 workshop | 1 workshop |
| participate in industry initiatives | high individual participation | continue | Continue |

For Goal 2: (Increase communication within Division)

| Performance Measures: | Baseline | 2011- 12 Target | 2012-2013 Target |
|---------------------------|-------------------|--------------------|-----------------------|
| communication tool | under development | determine solution | revisit functionality |
| national research network | ad hoc network | hold workshop | establish network |

For Goal 3: (Progressively support CSCE delivery activities)

| Performance Measures: | Baseline | 2011- 12 Target | 2012-2013 Target |
|-----------------------|--------------------------------------|-----------------|--|
| CJCE contributions | 2 papers per issue | special issue | 2 papers per issue |
| specialty conference | 1 specialty conference every 2 years | | 1 international theme |
| CCE submissions | as requested | Topics on: ??? | issue theme established & papers are requested |
| national lecture tour | as requested | Did not work | ? |

For Goal 4: (Develop an “efficient” mechanism for information dissemination)

| Performance Measures: | Baseline | 2011- 12 Target | 2012-2013 Target |
|-----------------------|----------|--------------------------------|------------------|
| dissemination tool | | investigate CSCE web solutions | Update |

7. Technical Delivery Activities

(A summary of established CSCE activities)

CSCE Conferences

| title | date (month/year) | role(s) | partners |
|---|----------------------|-----------------------------|-------------|
| Construction Conference | 2012 | Cosponsoring the Conference | ASCE and CI |
| 4 th International Construction Conference | 2013 - Montreal | Paper are being reviewed | ASCE and CI |

CSCE Workshops

| title | date | role(s) | partners |
|-------|------|---------|----------|
|-------|------|---------|----------|



(month/year)

National Lecture Tours

| title | date (month/year) | partners |
|-------|----------------------|----------|
|-------|----------------------|----------|

Other technical delivery activities

| title | purpose | date (month/year) | role(s) | partners |
|-------|---------|----------------------|---------|----------|
|-------|---------|----------------------|---------|----------|

8. Technical Publications

(A summary of typical CSCE publications)

Canadian Civil Engineer

| topic | publication date (month/year) | contributors |
|------------------------------|--|---|
| Productivity in Construction | Special Construction Issue Summer 2013 | Dr. Janaka Ruwanpura, Guest Editor |
| Various | | Many of the division members are active in publishing papers in the CCE |

CJCE Special Issue

| topic | publication date (month/year) | Contributors |
|---------------------|----------------------------------|--|
| Construction Topics | 2012 | Division Members Guest Editors, Amina Fayek Robenson, Jeff Rankin |

Other technical publications

| type/purpose | Topic | publication date (month/year) | contributors |
|--------------|-------|----------------------------------|--------------|
|--------------|-------|----------------------------------|--------------|

9. Relationships

(A summary of active and ongoing cooperation with other learned societies, professional organizations, and other relevant organizations or initiatives)

National and International Learned Societies

| organization | typical activities |
|-------------------------------------|--|
| American Society of Civil Engineers | Janaka Ruwanpura, Amina Fayek Robinson: |
| IRC | Student colloquium in Montreal 2013, Farnaz Sadeqhpour |

National and International Professional Associations

| organization | typical activities |
|-----------------------------------|--------------------|
| Canadian Construction Association | |



10. Concluding Remarks

This document is intended as a mechanism to guide the activities of the Construction Division and is expected to be an active document subject to change with the priorities and conditions of the Division and Society. No member of the Division shall be liable for non-performance of the goals, objectives, or actions presented.

This document is to be updated on an annual basis and will provide a two year plan at each revision. The plan is not intended to be binding for new Division members elected during the planning period, however, it is hoped that new members will adhere to the general principles presented.