MINUTES ANNUAL GENERAL MEETING 2015

14 June 2015, 1230 - 1330 EDT Hamilton Hall West, Homewood Suites Hotel 40 Bay Street South, Hamilton, ON L8P 0B3

FELLOWS IN ATTENDANCE

Acchione Paul
Anjos Miguel*
Barber H. Douglas
Beauchamp Yves
Behdinan Kamran*
Bianchini John
Burlton Bruce
Charles Michael E.
Chowdhury Somen*
Croasdale Kenneth
El Maraghy Waguih
Frederking Robert
Gu Peihua

Haas Carl
Haas Ralph
Haccoun David*
Heidebrecht Art
Henein Hani
Huang Guohe Gordon*
Karakatsanis Catherine
Laguë Claude
Lakshmanan Vaikuntam
Leon L. Joshua*
Ling Charles*
Lortie Pierre
Mascher Peter

Matich Miroslav
Nolan Ronald
Polistuk Eugene
Pugsley Thomas
Putt Kenneth
Rowe Ian
Ruth Douglas
Sain Mohini
Sidhu Tarlochan
Wasmund Bert
Wijewickreme Dharma
Xiao Huining

(* = New Member)

1. OPENING REMARKS

Executive Director Kevin Goheen opened the meeting at 12:42 p.m. He thanked McMaster University for providing support staff, Ms. Janet Delsey, to help organize this event. He then mentioned that Mr. Richard Marceau would be returning to resume his duties as Past-President. He introduced the CAE president.

President Pierre Lortie extended a warm welcome to all members, old and new, to Hamilton and the 29th Annual General Meeting of the Canadian Academy of Engineering. He introduced the head table participants – Kevin Goheen (Executive Director), Doug Ruth (Board member and President-Elect) and Yves Beauchamp (Board member and Treasurer).

2. RECOGNITION OF DECEASED FELLOWS

President Lortie asked the assembly to stand for a few moments while he recognized Fellows who we are aware of who have passed away since our last AGM:

Robert Day, elected in 2009, passed away on September 30, 2014
Ivan Stojmenovic, elected in 2012, passed away on November 3, 2014
StanleyHatcher, elected in 1991, passed away on November 30, 2014
J. Terence Rogers, elected in 2005, passed away on November 25, 2014
Anastasios Venetsanopoulos, elected in 2001, passed away on November 17, 2014

3. QUORUM DETERMINATION

President Lortie noted that our By-Laws require a minimum of 20 members or 20% of the active membership (whichever is less) to constitute a quorum. He observed that there were clearly more than 20 Active Fellows present, and hence declared a quorum. He reminded attendees that while Emeritus and Honorary Fellows are welcome to participate fully in the discussion and to address the meeting, they are **NOT** eligible to cast a formal vote, or to propose or second motions, except for the special resolution (item 8). He requested participants to identify themselves, when making motions or addressing the meeting, to ensure that we have an accurate record of the meeting.

4. APPROVAL OF AGENDA

President Lortie invited any additions or modifications to the agenda distributed. There being none, it was moved by R. Ravindran, seconded by D. Ruth, that the Agenda be approved. **CARRIED.**

5. APPROVAL OF MINUTES – AGM 2014

The President invited identification of any errors or omissions by those in attendance. It was moved by R. Ravindran, seconded by P. Acchione, that the minutes for the 2014 AGM be approved. **CARRIED.**

REPORT OF PRESIDENT – 2014/2015

My first words will be to thank Doug Ruth and Peter Mascher for organizing the 2015 Annual General Meeting and Symposium of the Academy here in Hamilton, a city that has long been the "steel capital" of Canada.

I also want to thank Mo Elbestawi, Vice President Research of McMaster University and David Wilkinson, McMaster Provost, both CAE Fellows, and the Engineering Department of McMaster

University for their outstanding support in the organization of this year's Annual General Meeting.

CELEBRATING ENGINEERING EXCELLENCE

A key mission of the Canadian Academy of Engineering is to celebrate engineering excellence by electing Fellows of the Academy from among Canada's most experienced and outstanding engineers. In so doing, we highlight the contributions of engineers to the well-being of Canadians and the economic development of Canada.

The Academy counts 607 Fellows. Later today we will induct 50 additional members selected through a rigorous process under the chairmanship of Peter R. Frise.

We also have five Honorary Fellows. This meeting gives us an opportunity to celebrate the life accomplishments of another remarkable Canadian engineer, Dr. Norbert Morgenstern, our 2015 Honorary Fellowship recipient. I will present Dr. Morgenstern accomplishments at the Induction ceremony later today.

Congratulations are also in order to another CAE Fellow, UBC Professor Vijay Bahargava, which has been awarded last month at Rideau Hall the 2015 Killam Engineering price to celebrate his lifetime achievements with wireless networks.

PROMOTING SOUND SCIENTIFIC AND ENGINEERING ADVICE INTO POLICY MAKING

The second key dimension of the Canadian Academy of Engineering is to enhance, through the application and adaptation of scientific and engineering principles, the well-being of Canadians and the creation of wealth in Canada and to provide leadership and expert advice on the implications and economic effects of strategic choices about the potential of technology, engineering, design and innovations.

It may seem paradoxical but the first step in the journey towards an influential leadership position in the Canadian polity depends on the ability of the CAE to promote cross fertilisation between industry, academia and public administration, through collaboration with our two sister Canadian Academies and, internationally, with foreign academies. Alone, it is unlikely that the CAE can attain the stature and respect its Fellows yearn for their Academy. We must reach out and partner with other organizations recognized for the depth and quality of their expertise in policy analyses and the elaboration of evidence-based policy through expert advice complementary to the one CAE Fellows can provide.

This is the impetus that led to our joint undertaking with the Institute of Research on Public Policy (IRPP) to organize a national conversation on the importance of evidence-based policies and the best approaches to embed sound scientific and engineering advice into policy making as a matter of course. Graham Fox, IRPP's President, and his staff have been fantastic partners in this endeavour. Our common objective is to develop a consensus for an effective science, engineering and evidence-based advisory process that leads to better government decisions, minimizes crises and unnecessary controversies, and capitalizes on opportunities to improve the quality of life of Canadians, while creating value and wealth.

To date, we have held well attended roundtable discussions on science, technology and public policy in Halifax, Edmonton, Vancouver and Toronto. We have two more to go: Montreal and Ottawa. Remarkably, all those we have invited to participate in a roundtable have indicated that our initiative was timely and of the outmost importance.

This positive sentiment no doubt reflects the concerns that, nowadays, anecdotal reports, exceptional events and populism dominate policy debates and shape public opinion, a process amplified by the ubiquitous social media, at the expense of hard evidence and rational debate. Policy makers are very concerned by this evolution since it significantly curtails the range of options open for consideration and irremediably leads to policies likely to produce more damage than good. They are generally keen to arrest the debasing of scientific knowledge as a fundamental component of policy making but find it very difficult to blend empirical evidence and the various strands of scientific and engineering advice into coherent and implementable policies. They are confronted with the facts that policy decisions are strongly influenced by values and that science is complex and does not provide complete answers. The difficulties are compounded by the eroding public trust in science fueled by the media embrace of pseudoscience and the legitimacy it lends to "quackademics."

Following the series of six events, a compendium of the discussions and the recommendations that arise will be published in Policy Options magazine, IRPP's flagship publication. It is also expected that the discussions will lead to the publication of a series of articles written by some of the participants.

OTHER CAE INITIATIVES

Several other initiatives in the policy realm have been undertaken under the auspices of the Academy. These include:

- The Northern Oceans task force, led by Ian Jordaan and Ken Croasdale. They will report on their work and how it affects public policy later today.
- The Energy Pathways task force, led by Clement W. Bowman and Richard J. Marceau. Following the publication of their book, Canada: Becoming a Sustainable Energy Powerhouse, at last year's AGM, they have pursued their work by holding two conferences to discuss the following topics: (i) refinery to add value to bitumen from the oil sands; and (ii) a national electrical grid to facilitate expansion of renewable energy. A third event is in the planning stage. It will address the need to revitalize manufacturing to meet the supply chain needs of the energy industry.
- Clean Coal Technology: Substantial efforts have been made to ensure the success of the July 9-10, 2015 international conference on clean coal technology. Led by Ravi Ravindran, this CAE conference is held in partnership with India's National Academy of Engineering and it is hosted by Ryerson University. The Toronto event will be complemented by "industrial" visits of state-of-the-art facilities in Alberta and Nova Scotia.

- The Trottier Energy Future Project: By far the most important large-scale project the CAE has undertaken in recent years is the Trottier Energy Future Project. Funded by the Trottier Family Foundation, (Lorne Trottier is a CAE Fellow), and conducted in collaboration with the David Suzuki Foundation, the objective is to identify the most optimal path for Canadian society to achieve a 80% reduction of GHG emissions in 2050 relative to 1990 levels. Although the matter is prone to controversies, CAE is ensuring, through the active engagement of John Leggatt on the project board, the watchful projects supervision of Kevin Goheen and by a peer review of the final report by CAE Fellows, that the TEFP exercise:
 - Addresses the energy—climate change challenge in a comprehensive, integrated multi-jurisdictional and multiple time period context.
 - Combines the use of an optimization model with the more detailed simulation model and that it is the best globally available "state-of-the-art" methodology for analyzing national and global energy-climate change challenges.
 - Includes a comprehensive consideration of all direct investment and operating costs in all sectors being considered.
 - Provides a strong analytical foundation for deriving optimal combination of costs and GHG reduction opportunities.
 - Provides a strong analytical foundation for assessing overall impacts (cost and/or GHG reduction) associated with implementing certain constrains on potential avenue solutions.
 - Is credible because the conclusions rest on a thorough analysis of socioeconomic projections, nationally and per industrial sectors and of global market and price projections for fossil fuels and collaboration with the National Energy Board and other international agencies (IEA, US-EIA and IEA-ETSAP).
 - Allows for direct evaluation of marginal GHG unit cost values, which is the foundation for carbon pricing considerations.

For sure, several conclusions of the project will be controversial. We all know that it is much easier to preach virtue if you don't have to pay for it. Notwithstanding these risks, it is undisputable that a public debate on these critical issues is occurring in Canada, and worldwide. We have a responsibility to ensure it is an informed debate.

THE CANADIAN COUNCIL OF ACADEMIES

There are very few examples where natural science and technology can alone inform sound public policies. The establishment of the Canadian Council of Academies in 2002, an umbrella organization formed to coordinate and facilitate the participation of Fellows of the Royal Canadian Society, the Canadian Academy of Engineering and the Canadian Academy of Health Sciences who are recognized experts of the topic under study, was the institutional answer to

the need to ensure that the bread of expert advice required to ensure a comprehensive analysis of the issues under consideration was assembled. The assessments made over the years under the aegis of CCA have generally complied with the standards of balanced, evidence-based and independent advice. The CCA fulfills an important and valuable role; the CAE contribution to this work is in line with the mission of our Academy.

It is fair to say that, in recent years, the relations between the CCA and the three national Academies were not as constructive as one would have hoped.

I am pleased to report that under the able leadership of CCA Chair Margaret Bloodworth, things have changed. Firstly, the central role of the Academies as the founding members of CCA is recognized and acknowledged. Second, Margaret was able to secure renewal of the annual funding of the CCA operations. In the current context of fiscal restraint, this is quite an achievement. Third, an agreement in principal was reached whereby the CCA will, on a going forward basis, pay for the services CAE contributes to the CCA activities.

CAE's fundamental objective is to ensure that the CCA reports reflect the best knowledge available at the time. We know that engineering alone is not, in most cases, the perfect solution. However, in most cases, it is a fundamental consideration which should not be discarded. With Margaret at the helm, we are confident that this will not happen and that the CCA–CAE relationship will yield important results and provide sound, informed and evidence based advice on which the Canadian government can establish its policies.

CONCLUSION

The CAE has done a great job in the last year. Much of this success is due to Kevin Goheen, our Executive Director, and to the dedication and professionalism he has brought to the task. Kevin has contributed in no small way to enhance the reputation and standing of the CAE in various spheres of influence. I would be remiss if I did not mention Mrs. Roxanne Lepage, our Office Manager, who joined CAE in 2014. Roxanne has been an efficient contributor since she joined the Academy and, on behalf of all Fellows, I want to tell her we are happy that she joined the team.

For the future, there is no doubt that the management of our ambitious public policy outreach program, which focuses on the articulation of evidence-based policies to promote the use of sound scientific and engineering advice in policy making, will place a significant administrative burden on our staff. For this is not their only task.

The program requires the active participation and sustained commitment on the part of our Fellows. This is as it should be: the Fellows make the CAE and not vice versa. The purpose of the CAE is to recognize and bring together the most successful and most talented engineers from all sectors of engineering to provide independent and expert advice on issues of national importance pertinent to engineering, technology and innovation. Thus, it is our collective and individual responsibility to bring our experience and knowledge to bear on issues of vital importance to Canadian society. And for the CAE, its role is to provide Fellows with the means and mechanisms to achieve this.

Thank you.

Pierre Lortie, M.C., FCAE

7. FINANCIAL

• Audit Report 2014

The Treasurer, Mr. Yves Beauchamp presented the auditor's 2014 financial statement for the CAE. The net result for 2014 was an operating excess of revenue over expenses of \$42,961; this was due to careful control of operations expenses and greater than budgeted revenue from the current stage of the Trottier Energy Futures Project and AGM/Symposium Sponsorship.

It was moved by M. Charles, seconded by W. El Maraghy that the audited Financial Statements for 2014 be approved. **CARRIED.**

• Treasurer's Report / Budget 2015

Y. Beauchamp presented a detailed analysis of F2014 and the Board approved budget for F2015.





L'ACADÉMIE CANADIENNE DU GÉNIE

Leadership in Engineering Advice for Canada Chef de file en matière d'expertise-conseil en génie pour le Canada

Financial Statements 2014



Budget 2015

Annual General Meeting Hamilton, On June 4-5



| REVENUE | 2014 | 2013 |
|---------------------------------|----------------------|---------|
| CAE | 232,339 ¹ | 298,915 |
| TEFP | 490,674 | 171,900 |
| Total | 735,090 | 470,815 |
| EXPENSES | | |
| CAE | 189,378 ² | 216,532 |
| TEFP | 490,674 | 171,900 |
| Total | 680,052 | 388,432 |
| EXCESS OF REVENUE OVER EXPENSES | 55,038 | 82,383 |

| Balance, beginning of year Excess of revenue over expenses | 668,401 55,038 | 586,018 82,383 |
|--|-------------------|-------------------|
| Balance, end of year | 723,439 | 668,401 |



REVENUE¹ 2014

The **revenue** of **232,339** \$ were as follows:

| o Membership dues (404 actives & 162 emeritus = 566 paying Fellows): | 166,020 |
|--|----------|
| o Investment (interest, dividends) | 20,132 |
| o Gain (Loss) on disposal of investment | (1,989) |
| o Unrealized losses on investments | (14,252) |
| o Sponsors | 56,000 |
| o Donations | 12,077 |
| o Annual meeting and other revenue (registrations) | 6,337 |
| o Energy Pathways | - |



EXPENSES² 2014

The **expenses** of **189,378** \$ were as follows:

| o Operations (Office Manager, Executive Director): o Annual meeting and seminar | 97,601 17,907 |
|---|------------------|
| o Communications and office expenses (supplies, photocopies, | |
| insurance, telephone, postal, bank charges) | 22,330 |
| o Rent and parking | 17,503 |
| o Travel and meeting (teleconference, travel) | 4,497 |
| o Reports and publications | 640 |
| o Associations (PAGSE & CAETS) | 4,881 |
| o Promotion and external relations | 5 |
| o Strategic plan | 1,014 |
| o Professional fees | 15,768 |
| o Interest and service charges (Moneris service, VISA, MC) | 3,074 |
| o Energy Pathways | 4,158 |



Remarks

- These statements have been prepared by our auditors (Marcil Lavallée).
- The net result for 2014 was an operating excess of revenue over expenses of \$ 55,038; this was due to careful control of operations expenses and greater than budgeted revenue (CAE).
- These look different from the Budget 2014 document which has been presented to the 2014 Annual General Meeting, Board and Executive.
 There are two primary reasons for this:
 - The overhead from projects from projects like the TEFP are netted off operations in the financial statements (\$64,001 in 2014). We keep track of them separately.
 - The accounting for the realized and unrealized gains and losses for the investment account is not considered on our internal budget
- The recommendation of the Board is to approve the 2014 Financial Statement.

Budget 2015

| | Budget | Results | Budget |
|------------------------------|---------|---------|---------|
| REVENUE | 2015 | 2014 | 2014 |
| Membership dues ^a | 178,908 | 166,020 | 160,930 |
| Investment | 16,000 | 20,132 | 16,000 |
| Sponsors | 50,500 | 56,000 | 50,500 |
| Donations | 14,000 | 12,077 | 16,000 |
| Annual meeting and others | 6,500 | 6,337 | 6,500 |
| Local section | 5,000 | - | - |
| Energy Pathway | - | - | - |
| TEFP (Completion phase) | 95,000 | 490,674 | 585,725 |
| Total | 365,908 | | 835,655 |

^a 443 actives & 158 emeritus = 601 paying Fellows



Budget 2015

| for Canada en génie pour le Canada | Budget | Results | Budget |
|------------------------------------|----------------------|-----------|---------|
| EXPENSES | 2015 | 2014 | 2014 |
| Operations | 163,579 ^a | 161,602 b | 158,156 |
| Annual meeting | 40,000 | 17,907 | 30,000 |
| Communications and office expenses | 18,000 | 22,330 | 23,900 |
| Rent and parking | 15,600 | 17,503 | 17,750 |
| Travel and meetings | 7,000 | 4,497 | 7,000 |
| Reports and publications | 1,000 | 640 | 3,000 |
| Associations (PAGSE & CAETS) | 5,000 | 4,881 | 5,000 |
| Promotion and external relations | 1,000 | 5 | 1,000 |
| Strategic plan | 1,000 | 1,014 | 1,000 |
| Professional fees | 10,000 | 15,768 | 20,500 |
| Interest and service charges | 3,000 | 3,074 | 3,000 |
| Transfer to Endowment fund | 14,000 | 12,077 | 16,000 |
| Energy Pathways | - | 4,158 | 4,500 |
| TEFP (Completion phase) | 80,750 | 490,674 | 509,326 |
| Total | 359,929 | | 800,132 |
| EXCESS OF REVENUE OVER EXPENSES | 5,979 | | 35,523 |

a Expect overhead of 14,000 \$ (95,000 – 80,750) from TEFP

b Includes the portion allocated to projects - 64,001 \$



The major differences between the draft 2015 Budget and the 2014
 Financial Results are as follows:



i. a 2% increase in staffing costs,

| EXPENSES | 2015 | 2014 | 2014 |
|------------|-----------|-----------|---------|
| Operations | 163,579 ª | 161,602 b | 158,156 |



- The major differences between the draft 2015 Budget and the 2014
 Financial Results are as follows:
 - i. a 2% increase in staffing costs,



ii. professional fees returning to historical levels after a year with large website development and legal assistance with the bylaw changes and

| EXPENSES | 2015 | 2014 | 2014 |
|----------------------------------|-------|--------|-----------------|
| Stratogic plan | 1,000 | 1 014 | 1 000 |
| Strategic plan Professional fees | 1,000 | 1,014 | 1,000 |
| Interest and service charges | 3,000 | 15,768 | 20,500 3,000 |



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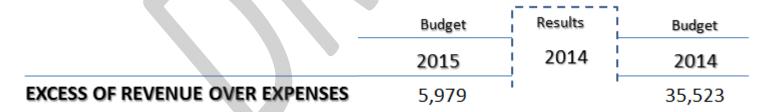


iii. a small revenue contribution (\$ 5,000) from our partnerships with the Institute for Research in Public Policy and the Conference Board of Canada.

| REVENUE | 2015 | 2014 | 2014 |
|---------------|-------|------|------|
| | | | |
| Local section | 5,000 | - | _ |



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 Financial Results are as follows:
 - i. a 2% increase in staffing costs,
 - ii. professional fees returning to historical levels after a year with large Local section 5,000 | ges and
 - iii. a small revenue contribution (\$ 5,000) from our partnerships with the Institute for Research in Public Policy and the Conference Board of Canada.
 - iv. We are projecting a small excess of revenue over expenses (\$ 6,000).





Remarks ...

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 On the revenue side, we are expecting \$14,000 in overhead from the TEFP, materially less than the \$64,000 we have received in 2014.

| _ | Budget | Results | Budget |
|---------------|--------|---------|---------|
| _ | 2015 | 2014 | 2014 |
| | | | |
| Revenue TEFP | 95,000 | 490,674 | 585,725 |
| | | | |
| Expenses TEFP | 80,750 | 490,674 | 509,326 |



Remarks ...

 On the revenue side, we are expecting \$14,000 in overhead from the TEFP, materially less than the \$64,000 we have received in 2014.



 The revenue from sponsorship at the AGM is expected to be close to historical levels. At the same time, we expect the spending on the AGM to also be greater than that which occurred in 2014 because we are holding an induction dinner, rather than a lunch.

| | Budget | Results | Budget |
|---------------------------|--------|---------|--------|
| | 2015 | 2014 | 2014 |
| Revenue | | | |
| Sponsors | 50,500 | 56,000 | 50,500 |
| Donations | 14,000 | 12,077 | 16,000 |
| Annual meeting and others | 6,500 | 6,337 | 6,500 |
| Expenses | | | |
| Annual meeting | 40,000 | 17,907 | 30,000 |



Remarks ...

- On the revenue side, we are expecting \$14,000 in overhead from the TEFP, materially less than the \$64,000 we have received in 2014.
- The revenue from sponsorship at the AGM is expected to be close to historical levels. At the same time, we expect the spending on the AGM to also be greater than that which occurred in 2014 because we are holding an induction dinner, rather than a lunch.
- Year to date, I can report that we are performing very well with respect to overall excess of revenue over expenses, greater than budget.

Formal approval is **not** required

Appointment of Auditors 2015

Remarks

- Marcil Lavallée have been our auditors for a number of years.
- The Finance and Audit Committee has undertaken a search for a new auditor and has recommended the firm Frouin Group Professional Corporation to the Board.
- Frouin Group Professional Corporation has provided the most economical quote, has been interviewed by the Executive Director as per their proposal and currently provides the audit for the Engineering Institute of Canada.
- The recommendation of the Board is that we appoint them for the year 2015.



Formal approval is required

• Appointment of Auditors 2015

In keeping with best risk management practice of changing auditors periodically the Board is recommending the new auditing firm of Frouin Group for the financial year 2015.

It was moved by K. Putt, seconded by P. Acchione, that Frouin Group be appointed as CAE auditors for 2015. **CARRIED.**

9. ELECTION OF DIRECTORS AND OFFICERS – 2015/2016

President Lortie noted that the Nominating Committee had provided a recommended slate of proposals for 2015/2016, and that these had been endorsed by the Board of Directors.

Relative to Officers and Directors-at-Large, the following names had been proposed:

For Officers:

President: Pierre Lortie
President-Elect: Douglas Ruth
Secretary-Treasurer: Yves Beauchamp
Past President: Richard Marceau

For Directors-at-Large:

Continuing: Eugene Polistuk
Continuing: Ken Putt
Continuing: Eddy Isaacs
Continuing: Sara Jane Snook
Continuing: Colin E. Smith
New: Charles Randell
New: Bruce Burlton

There being no alternative nominations from the floor, it was moved by R. Ravindran, seconded by P. Acchione, that this slate of officers and directors be approved. **CARRIED.**

Relative to membership of the Fellowship Committee the following proposal had been received:

For Fellowship Committee:

Chair (Continuing): Peter Frise

President

President-Elect Secretary-Treasurer

Members-at-Large:

Continuing: David Coleman

Continuing: Ken Putt

Continuing: André Bazergui

For Council of Canadian Academies Board of Governors (September 2016):

Continuing: Axel Meisen
New: Richard Marceau

For CAETS Board of Directors (June 2015 to June 2017):

Continuing: Robert L. Evans

There being no alternative nominations from the floor, it was moved by R. Ravindran, seconded by P. Acchione, that this slate of members for the Fellowship Committee be approved. **CARRIED.**

11. ANNUAL GENERAL MEETING ARRANGEMENTS – 2016

President-Elect Doug Ruth announced Winnipeg, Manitoba as the location of the next Annual Meeting in June 2016. The Board may need to revise the date and venue as the year advances.

12. OTHER BUSINESS

There was no additional business

13. ADJOURNMENT

There being no other items of business, P. Lortie thanked the Fellows for attending the AGM and declared a CONSENSUS for adjournment at 1:37 p.m.

INDUCTION OF NEW FELLOWS 2015 (Added for the record)

The Induction of New Fellows took place before dinner at the Art Gallery of Hamilton. This year, 26 of the 50 newly-elected Fellows were able to be present at the Induction Ceremony. P. Lortie read the citations as each inductee came forward, received their framed certificate from D. Ruth and had a photograph taken, and then signed the members' register and received a CAE pin. Those present were:

Simaan AbouRizk **Gordon Huang** Federico Rosei Miguel Anjos Lewis Leon Anne Sado Kamran Behdinan Charles Ling John Thompson Raouf Boutaba Horacio Marquez Wen Tong Somen Chowdhury Sushanta Mitra **Huining Xiao** Osama Moselhi Gu Xu Anthony Dawe **Greg Evans** Natalia K. Nikolova Hong Zhang Anthony Florizone Vladimiros Papangelakis Qijun Zhang David Haccoun Michel J. Pettigrew

Twenty-five other Fellows have been formally accepted for the year 2015, and will receive their certificates and lapel pin by mail. They are:

James Wallace

Quan Wang

Ming Yu

Sonia Aissa Zahra Moussavi Kim Allen Jamie Long Soheil Asgarpour Leonard Lye Thomas Beamish **Bob Magee** Fred J. Cahill Virindar M. Malhotra Pu Chen Meenakshinathan Jordan Chou Parameswaran Andre Corbould Mihriban O. Pekguleryuz

Richard Hohendorf Michael V. Sefton Fassi Kafyeke Nariman Sepehri