



# 2003 COUNCIL ELECTIONS



Following are statements from the candidates and a list of positions filled by acclamation. Candidates for each office are presented in alphabetical order. Statements or claims by candidates are not verified and are the sole responsibility of the candidates themselves. The only editing is with regard to grammar, punctuation and total number of words and, if editing is required in this event, it has received the candidate's approval.

## **Election Timetable**

Ballots mailed by January 31, 2003

Ballots to be returned by Official Agent's close of business on February 28, 2003

New Council takes office April 26, 2003

## **Positions Filled by Acclamation**

### **Eastern Region Councillor**

Allen K. Lucas, P.Eng., Marysville (Civil)  
B.A.Sc., Waterloo, '89  
Utilities Engineer, Utilities Kingston, Kingston

### **Northern Region Councillor**

Seimer H.L. Tsang, D.Eng., P.Eng.,  
Thunder Bay (Mechanical)  
B.Eng., Concordia '68; M.Eng., Concordia '71;  
D.Eng., Concordia '76  
Professor and Chair, Department of Mechanical  
Engineering, Lakehead University, Thunder Bay



GEORGE R. COMRIE, P.ENG., CDP, CMC  
Manager, Development – Rail/Transit  
Systems, Wardrop Engineering Inc.  
Mississauga

Nominated by the Nominating Committee



KAM ELGUINDI, PH.D., P.ENG.  
President and CEO, Imasar Engineering Inc.  
Concord

Nominated by the Members in Accordance  
with the Regulation, Sections 14 and 15

#### Education

- ◆ B.A.Sc. (Industrial Engineering), University of Toronto, 1970; M.Eng. (Industrial Engineering) 1973

#### Employment

- ◆ 1989-2002, Chairman, Data Design Systems Inc.
- ◆ 1989-2000, President, Data Design Systems Inc.
- ◆ 1986-1989, Principal, RMC Resources Management Consultants Ltd.
- ◆ 1980-1986, Technical Director, Ontario Police Information Centre
- ◆ 1975-1980, Associate, RMC Resources Management Consultants Ltd.
- ◆ 1971-1975, Lecturer and Undergraduate Secretary, Department of Industrial Engineering, University of Toronto

#### PEO Activities

- ◆ 2002-present: Vice President (Elected)
- ◆ 2001-present: Member of Executive Committee; President, Professional Engineers Foundation for Education
- ◆ November 2001: CEAB General Visitor, Lakehead University
- ◆ 2000-2002: West Central Region Councillor
- ◆ 2000-present: Chair, Ontario Software Engineering Task Force
- ◆ 1999-present: Convenor, Engineer-in-Residence Subcommittee
- ◆ 1996-1998: Chair, Education Committee
- ◆ 1993-1995: Member, School Outreach Committee
- ◆ 1990-present: Executive Member, Etobicoke Chapter; Chair 1992-1994
- ◆ 1975-present: Organizer, Metro Toronto Engineering Careers Nights

#### Registered

1973 (APEO)

#### Other Affiliations

- ◆ Full Member, Ontario Society of Professional Engineers
- ◆ Certificant and Member, Canadian Association of Management Consultants (CMC)
- ◆ Certificant, Institute for Certification of Computer Professionals (CDP)



More than ever, our profession requires both strong leadership and member involvement as we work to resolve fundamental issues of governance, specialization in professional practice, and continuing professional competence. Our challenges include enhancing our accountability and protection of the public interest, while ensuring that engineering work is performed by qualified, licensed professional engineers.

We have an unparalleled opportunity to be proactive in refining and extending our model of professional competence to bring it in line with the expectations and needs of today's society, which include such concerns as safe drinking water, reliable energy sources, and protection of the environment. If we fail to do so, our scope as a self-governing profession will be eroded by government regulation and self-interest groups.

I am committed to improving PEO's governance and management by establishing a culture of execution and accountability. We need to set clear corporate objectives and measure our performance against them. We need to develop policies and processes that will ensure the strength and adaptability of the organization for the future. And we need to work more closely and effectively with other stakeholders in the engineering community, such as CCPE and OSPE, on matters of common professional interest.

My vision for Ontario engineers is one of a cohesive, vibrant, and influential self-governing profession in a society that understands and values our contribution to its health and prosperity, and that continues to trust us to govern the practice of engineering in their best interests. Thank you for allowing me the opportunity to contribute to achievement of this vision.

#### Personal Profile

- ◆ Founder, Director and President, Professional Engineers of the Government of Ontario (PEGO), 1989-1995
- ◆ Advisor, Canadian Industrial Innovation Centre, Waterloo, ON
- ◆ Judge and coordinator, Canada Science Journalism and TV Awards programs
- ◆ Winner, Ontario Government's Outstanding Achievement Award for Volunteerism, 1996
- ◆ Member and Director, Canadian Society for Professional Engineers (CSPE) since 1981
- ◆ Member, Ontario Society for Professional Engineers (OSPE)
- ◆ Founding member, Engineers for Engineers (EFEs)

#### Professional Career

- ◆ President and CEO, Imasar Engineering Inc., 1997-present
- ◆ Senior Engineering and Management positions with the Government of Ontario: Environment and Labour, 1973-1997
- ◆ Member, Joint Central Committee: Ontario government's Management Board, 1993-1996
- ◆ Designated Consulting Engineer by PEO
- ◆ Member, Consulting Engineers of Ontario (CEO)

#### PEO Activities

- ◆ Lieutenant Governor-in-Council Appointee (LGA Councillor), 1993-1996
- ◆ Elected Councillor-at-Large, 1998-2000
- ◆ Chair, Government Affairs Committee, 1999-present
- ◆ Chair, Experience Requirements Committee, 1998-2000
- ◆ Member, Management Committee, Discipline Committee, Environment Committee and Advisory Committee on Committees (ACC), 1994-present
- ◆ PEO member, Willowdale/Thornhill Chapter, since 1972



During the next year or two, some very important decisions face PEO. One is the fee increase. Considering that engineers' wages are static, inflation and interest rates are being kept low, and PEO's monetary contributions to OSPE are coming to an end, we don't need a fee increase at this time. The answer is better management.

The current Council's doubling of the assessment paid to CCPE, despite PEO members receiving little benefit from CCPE, warrants review. The Quebec Order of Engineers didn't approve the increased assessment for their members until CCPE reforms its lavish spending. To ensure services and advocacy for our members, PEO must continue to support our letter of agreement with OSPE.

I would allocate more resources to enforcement to ensure that only professional engineers do engineering work. I would also allocate more resources to our chapters so that they can continue to enhance the image of engineers and engineering in their local areas. Engineers deserve more recognition for their contributions to Canadian society.

The new fields of engineering practice, such as environmental engineering, require a well-defined scope of practice. PEO must be more proactive in these areas to ensure that only qualified people are permitted to practise. It is critical that PEO keep an open channel with the Ontario government. As Chair of PEO's Government Affairs Committee, I know what it takes to achieve government cooperation and recognition of our profession.

There has been discussion to expand PEO to include non-engineers under the PEO umbrella. To extend our resources into areas that are unrelated to our current mandate is counter-productive. We must keep the identity of our profession foremost.



ROBERT A. DUNN, M.A.SC., P.ENG.  
Strategic Environmental Advisor,  
Gloucester

Nominated by the Nominating Committee

#### Education

- ◆ B.A.Sc., Civil Engineering, 1968, University of Waterloo
- ◆ M.A.Sc., Civil Engineering, 1969, University of Waterloo

#### Awards

Officer of the PEO Order of Honour

#### Employment

- ◆ Environmental Advisor to provincial government, present
- ◆ Totten Sims Hubicki Associates, Ottawa, 1996-1999
- ◆ Ontario Ministry of Environment (MOE) District Manager, Ottawa/Kenora, 1974-1995
- ◆ Ontario Water Resources Commission and MOE, Project Engineer, Toronto/Kingston, 1968-1974

#### PEO Activities

- ◆ Eastern Region Councillor and Member, Regional Councillors Committee, 1989-1994
- ◆ Member and Chair, Ottawa Chapter, 1983-1988
- ◆ Member, Discipline Committee, 1992-1994
- ◆ Member and Chair, Audit Committee, 1990-1992
- ◆ Member, Government Affairs Committee, 1990-1994
- ◆ Member, Environment Committee, 1996-present
- ◆ Member, Academic Requirements Committee, 1996-present
- ◆ Member, Canadian Council of Professional Engineers Environment Committee, present

#### Professional Associations

- ◆ Association of Professional Engineers of Ontario
- ◆ American and Ontario Water Works Associations



I am honoured that the Nominating Committee invited me to stand as a candidate for Vice President. If elected, I will work extremely hard on behalf of all the members of the association.

In my career as a professional engineer, I have worked in many parts of the province, giving me an opportunity to meet and work with engineers in all these unique regions and to develop an understanding of their issues. PEO's mandate is to regulate the profession. My extensive experience (30+ years) in the management and enforcement of regulations has prepared me well for the position.

There are a number of key points I would like to make:

- ◆ PEO must take a strong position on enforcing compliance with our legislation. We must be vigorous in seeking out people who are practising engineering without a licence. A concerted communication program that informs the public and those practising unlawfully that PEO is vigilant in administering the *Professional Engineers Act* should follow.
- ◆ PEO must start developing minimum performance standards for engineering activities and prescribe them in our Regulation (e.g. performance standards for site assessments) in order that the definition of engineering becomes clear and enforceable.
- ◆ The provincial government is currently drafting many pieces of legislation that may impact on the profession. PEO should advocate that they explicitly name professional engineers where the work being done is the practice of engineering.
- ◆ If elected, I promise to visit every chapter within two years, as I believe it is vital that Council members and PEO staff attend chapter meetings and functions to listen to the advice of members in the field.

I sincerely seek your support.



JOHN E. TURNER, P.ENG.  
Swansea Consulting, Marketing and  
Certification Consultant, Toronto

Nominated by the Nominating Committee

#### Education

- ◆ B.Sc. (Hons.) Mechanical Engineering, University of Manchester, U.K., 1966
- ◆ Management Studies Diploma course, University of Aston, U.K., 1968
- ◆ The Executive Program, Queen's University, Ontario, 1988

#### Employment

- ◆ Marketing and Certification Consultant, Swansea Consulting, Toronto, 1996-present
- ◆ Technical Manager, Raychem Canada, Toronto, 1983-1996
- ◆ Regional Manager, Raychem Canada, Edmonton, Alberta, 1977-1983
- ◆ Market Manager, Aerospace/Electronics, Raychem Pty. Ltd., Australia, 1971-1977

#### Professional Registration/Memberships

- ◆ P.Eng. Ontario, 1986-present
- ◆ IEEE member, 1991-present
- ◆ P.Eng. Alberta, 1978-1983
- ◆ Chartered Engineer, U.K. 1971-present, Australia 1972-1977

#### PEO Activities

- ◆ West Central Region Councillor, elected, 1991-1993
- ◆ Audit Committee, 1998-present
- ◆ Advisory Committee on Salaries, 1991-present
- ◆ PEO/OACETT Joint Management Board, 1998-present
- ◆ PEO representative on OACETT Council, 2002-present; on OACETT Registration Board (IETO), 1996-2002
- ◆ National Engineering Week Steering Committee, 1998-present
- ◆ Kingsway Chapter Chair, 1989-1991

#### Other Committee Activities

- ◆ CSA: Member, Canadian Electrical Code, Section 62 subcommittee, Chair of TSCs C22.2-130 and 217
- ◆ IEC: Chair, Canadian subcommittees for IEC TC20, TC27 and SC15C international electrical standards
- ◆ IEEE: Vice-chair PCIC IT committee



I am asking for your vote to work as Vice President alongside next year's President. The principles of his platform, stated in last year's election for President-elect, included strengthening our performance in protecting the public, while creating value for members. I look forward to the opportunity of working with my colleagues to assist in attaining these goals.

Further, we might seek more immediate ways of hearing the voice of the membership. The Internet now provides a powerful tool for feedback via forums and surveys that are more economical than paper referendums. If the silent majority\* of our members wish to provide thoughtful input to enhance or moderate the initiatives of the more active members, it has never been easier to break that silence. With a membership of over 60,000, PEO continues to seek the most effective ways to communicate the association's initiatives. *Engineering Dimensions* and *The Link* are effective media and members will probably turn to PEO's web pages increasingly to review the development of topics of personal interest.

I have been fortunate to represent PEO on OACETT's IETO board (The Institute of Engineering Technology of Ontario) for several years, giving me insight into the value of cooperation to strengthen the engineering team while maintaining the separate identities of PEO and OACETT. Furthermore, the reorganization of PEO, following the creation of OSPE, is nearing completion so now is the time to fine-tune and implement the Strategic Plan\*\* for a revitalized professional association.

I ask for your involvement by responding to this election call, and for your support.

\* Only 21% of members voted in the 2001 PEO elections.

\*\* Link straight to the Strategic Plan at [http://www.peo.on.ca/registrar/StratPlan/stratplan\\_main.htm](http://www.peo.on.ca/registrar/StratPlan/stratplan_main.htm).



DENIS DIXON, P.ENG.  
Consulting Engineer, Orangeville

Nominated by the Nominating Committee

#### Education

- ◆ B.Eng., Liverpool University, 1961. Four years with Rolls Royce Ltd.
- ◆ Registered P.Eng. in 1966

#### Career

- ◆ Designing building services since 1968
- ◆ 1976-1988 registered Consulting Engineer and fully resident in the United Arab Emirates. Projects also completed in Saudi, Oman, Pakistan and several Gulf Islands

#### PEO Brampton Chapter

- ◆ Executive member, 1989-present
- ◆ Vice Chair, 1989-1990
- ◆ Chair, 1990-1991, 1996 and 1999
- ◆ Communications and newsletters, 1990-1998

#### PEO Council

- ◆ PEO Councillor-at-Large, 1999-present

#### PEO Committees

- ◆ Executive, 2002
- ◆ Audit Committee, 1998-present (past Chair)
- ◆ Advisory Committee on Committees, 1999-present (Chair)
- ◆ PEO/OACETT Joint Management Board, 2000-present (Co-chair)
- ◆ Discipline Committee, 1999-2002
- ◆ Consulting Engineer Designation Committee, 2000
- ◆ Ontario Hydro Nuclear Task Force, 1998-2002
- ◆ BRRAG Task Group, 2000-present

#### Professional Affiliations

- ◆ Member, OSPE First Nominating Committee
- ◆ Member, E-f-E
- ◆ Member, Staff Appointment Committee for PWD Abu Dhabi, 1979-1984, and for Abu Dhabi Defence Force, 1982-1984
- ◆ Director of ASHRAE, UAE Chapter, 1985-1987 (member 1974)



Is PEO at a crossroads? Hardly. We're still digging out. Read PEO studies from 10 years ago and compare them to the same studies just redone. Strategic plans follow each other with little of the previous ones accomplished. Recent accomplishments are International Mobility initiatives and OSPE formation. (Now they are doing strategic plans too!)

Government confirmed that PEO is member-owned. Some wanted to declare "the public" as our owners. Council decided to remain focused on policy, with staff implementing policy. Now there is a staff proposal for a "policy" department at \$700,000 per year, ongoing and presumably increasing. Council must listen to members and chapters in determining policy. In September 2000, Council approved my motion for a Directory to be issued. I'm still waiting to see one.

Vigilant members must inform Council of rumours of government issues before they completely double-regulate us. The BRRAG initiative with practitioners facing 11 three-hour MINISTRY exams to submit building plans has been foisted on us with no option. Our late-stage presence was a sop. Members must feel comfortable raising issues with Council. Council and staff must appreciate the help members can give. Members can prompt us towards demand-side legislation BEFORE government gets involved.

Public protection requires practice guidelines. Only then can enforcement succeed against the unregistered thousands doing professional engineering in obvious disciplines that still lack guidelines.

CCPE lost \$2 million in immigrant funding. Instead of restructuring CCPE programs, PEO is expected to increase support. CCPE claim members need Canada-wide licences for \$1,000. PEO funding requested to study this! My answer? NO! on both issues.

Vigilance and member participation could save the profession.



ROYDON A. FRASER, PH.D., P.ENG.  
Associate Professor, University of Waterloo,  
Waterloo

Nominated by the Members in Accordance  
with the Regulation, Sections 14 and 15

#### Education

- ◆ B.Sc.(Eng.), Engineering Physics, Queen's, 1983
- ◆ M.A. and Ph.D., Mechanical and Aerospace Engineering, Princeton, 1985 and 1989
- ◆ P.Eng., PEO, 1991

#### Employment

- ◆ 1988-1989, Sandia National Laboratories, California
- ◆ 1989-present, Mechanical Engineering, University of Waterloo

#### PEO Activities

- ◆ Co-founder, Waterloo Region Engineering Design Competition, 1993-present
- ◆ Grand River Chapter Executive, 1993-present, Chair (1996)
- ◆ Director, PEO and Co-operative Education Liaison, University of Waterloo, 1998-present
- ◆ Councillor, Western Region, 1998-2000, 2001-2003
- ◆ Academic Requirements Committee (ARC), 1998-present, Chair (1999-2002)
- ◆ Discipline Committee, 1998-present
- ◆ Chair, Evolution of Engineering Admissions (EEA) Task Force, 2000-present
- ◆ Admissions, Complaints, Discipline and Enforcement (ACDE) Task Force, 1998-2000

#### Professional Affiliations

- ◆ Treasurer, Engineers Without Borders
- ◆ Director, Ontario Engineering Competition (OEC) Board
- ◆ Member, SAE, ASME, and OSPE

#### Service

- ◆ Chair (1999-present), Advisory Committee on Engineering Scholarships, 1995-present
- ◆ Vice-President, Faculty Association University of Waterloo, 2002-present

#### Technical Paper Awards

- ◆ ASHRAE Symposium Best Paper, 1996
- ◆ ONGA 1994 Environmental University Scholarship Program Award



I am motivated by a desire to enhance the engineering profession in the eyes of the public, government, engineering students, and ourselves. The basis for this enhancement is clear communication of the value we, as engineers, add to society by protecting the public's safety and by our economic necessity.

The foundation for the value offered to the public by professional engineers lies in the Code of Ethics, the Code of Professional Conduct, and in our members' high standard of qualifications.

I have two major objectives should I be re-elected to Council: to continue to fight for a member-defensible budget, and to work to ensure that PEO does not forget that it must be relevant to all Canadian engineering graduates.

There is much more work to be done. For example, PEO annual dues adjusted for inflation to 2002 dollars averaged \$139 (peak \$145) in the 1990s, but beginning February 2003 your dues will be \$190! I ask, what are we getting for this fee increase? Believe it or not, only two Councillors, including myself, voted against the most recent \$20 fee increase.

The 1998 introduction of the four-year engineering experience requirement increased the likelihood a new engineering graduate will not become licensed. I believe one of PEO's strengths is that it attempts to license all those who can practise engineering, not only those who have to be licensed. To lessen the impact of the four-year experience requirement, close ties with universities are essential.

In conclusion, I believe I can provide a significant force that pushes PEO to adapt in order to maintain the strength of the engineering profession in Ontario.



**KENNETH G. LOPEZ, P.ENG.**  
Retired Manager of Design and  
Construction, Transport Canada/Public  
Works Canada (Aviation)

Nominated by the Members in Accordance  
with the Regulation, Sections 14 and 15

#### Education

- ◆ B.A.Sc., Civil Engineering, 1955, Toronto
- ◆ M.A.Sc., Civil Engineering, 1959, Toronto

#### Career

Manager of Design and Construction for Pubic Works Canada—30 years in  
design and construction management of multi-million-dollar airport facilities

#### PEO Activities

- ◆ Lieutenant Governor Appointee (1999-2002)
- ◆ Toronto-Humber Chapter, Executive Member (1974-1990),  
(1999-present)
- ◆ Vice-President, Ontario Professional Engineers Foundation for  
Education (2001-present)
- ◆ PEO Registration (1956-present)

#### PEO Committees and Task Forces

- ◆ Discipline Committee (1999-present)
- ◆ Central Nominating Committee (2000)
- ◆ Finance Committee (2000-present)
- ◆ Strategic Plan Steering Group (2000-2002)
- ◆ Governance Task Force (2002-present)

#### Honours/Awards

- ◆ Governor General's Commemorative Medal
- ◆ Premier of Ontario Commendation
- ◆ Certificate and Letter of Appreciation from PEO

#### Community Service

- ◆ Public Trustee, Etobicoke Board of Education
- ◆ Vice-Chairman, Etobicoke Property Standards Committee
- ◆ Past President, Etobicoke Ratepayers
- ◆ Past Master, Mizpah 572 Masonic Lodge



This is a critical time in the history of PEO.

I feel compelled to continue my involvement in this substantial manner in order to encourage efficient management and a genuine concern for the individual engineer. My involvement in PEO's affairs has given me a broad understanding of the culture and future issues facing the profession. PEO must be prepared for the future as a regulatory body and this professional evolution must be in the best interest of the public and the membership, not at the expense of the membership.

When elected I would work to:

1. Ensure that our profession remains current and responsive to the ongoing expansion of science and technology and the deterioration of the environment;
2. Promote public awareness of the profession's contribution to society; elevate our visibility and public profile;
3. Ensure that standards of qualification, practice and professional conduct for PEO's licensees promote competence and ethical standards;
4. Support the concept of "Policy Governance" for PEO as a regulatory body with an emphasis on outward vision, commitment to obtaining community input, encouragement of diversity of viewpoints and strategic leadership. Changing models is like changing life styles. For success, it is important to have the support of PEO's members;
5. Continue to monitor the Strategic Plan to ensure that PEO is relevant to the public and its members;
6. Ensure that chapters are actively involved in the policy generation process and major decisions that come to Council's attention;
7. Request that the membership be consulted through a referendum before membership dues are increased;
8. Request that an audit of PEO's operations (Auditor General) be executed to determine if members' dues are being spent wisely and responsibly.



**JAMES (Jim) S. McCONNACH, M.SC.,  
SMIEEE, FIEE, P.ENG.**  
Independent Consultant,  
Retired Manager, Hydro One (formerly  
Ontario Hydro Services)  
Bracebridge

Nominated by the Nominating Committee

#### Education and Qualifications

- ◆ B.Sc., Electrical, University of St Andrews, Scotland, 1964
- ◆ M.Sc., University of Salford, England, 1966
- ◆ Chartered Engineer (U.K.), 1973
- ◆ Ontario P.Eng., 1977 (Electrical)

#### Career

- ◆ Early career: design, development, sales of power transmission equipment for U.K. manufacturer
- ◆ Five years designing and planning supply systems in developing countries
- ◆ Joined Ontario Hydro, Toronto, 1977. Worked on strategies, plans, decision analysis, regulatory approvals, project management in generation and transmission planning, operations, energy efficiency, and energy services. Managerial positions, 1982-2000 (retired)

#### PEO/Technical Society Activities

- ◆ PEO Chapters: Mississauga, 1978-2000; Simcoe, 2000-2002
- ◆ PEO Innovators Outreach Program, 1992-present
- ◆ PEO Experience Requirements Committee, 2001-present
- ◆ Corporate Member, IEE, U.K. since 1973. Elected Fellow, 1993
- ◆ IEE Toronto Centre Committee, 1985-present; Secretary then Chair, 1985-1989
- ◆ IEE International Representative in Ontario, 1993-1999
- ◆ Member, IEEE since 1981. Elected Senior Member, 1997
- ◆ Member/Chair, IEEE Power Engineering Society committees, working groups, 1981-present

#### Other Activities

- ◆ Mentor, Skills for Change, 1995-present
- ◆ Associate Director, Bracebridge Agricultural Society, 2000-present



Transitional change is proceeding apace to have clearly separate bodies to fulfill the advocacy and regulatory roles for the profession. The Ontario Society of Professional Engineers (OSPE) is now firmly established as the advocacy body and is growing in strength. PEO is adapting to concentrating on its prime role as the regulatory body. However, much work still needs to be done to fully complete the transition. PEO needs to focus on its mandate and vision to ensure that its organizational structure, governance and activities are best suited to fulfill the regulatory role in a business-like and cost-effective manner. Meanwhile, we must ensure that activities important to the profession and members are not lost in the transfer to OSPE. I am honoured to be invited to stand for election as Councillor-at-Large during the ongoing transitional challenges. In semi-retirement, I can devote time to helping PEO meet these challenges and achieve its vision. This would include contributing to the following initiatives:

- ◆ Improving the status of the profession and the P.Eng. designation through raising awareness with stakeholders, clients, employers and the public of the important role of PEO and its members in ensuring that "the public interest is served and protected";
- ◆ Raising awareness among newly graduated engineers of the value and importance of gaining their P.Eng. and participating in PEO affairs;
- ◆ Improving the operational effectiveness, openness and responsiveness of PEO through taking advantage of the enabling technologies of the information age;
- ◆ Supporting initiatives that enhance the international mobility of professional engineers;
- ◆ Working with the Ontario Society of Professional Engineers to complete the successful transfer of activities important to the profession and members.

NICHOLAS P. COLUCCI, P.ENG.  
President, Greenrock Engineering Ltd., Whitby

Nominated by the East Central Region Nominating Committee

Material for publication not supplied by deadline.



DEREK M. D'COSTA, P.ENG.  
Contract Professional Engineer, Toronto

Nominated by the East Central Region  
Nominating Committee

#### Education

- ◆ B.Tech. (Hons.) degree in Chemical Engineering, IIT Kharagpur, 1969
- ◆ Graduate Studies in Environmental Engineering, University of Windsor, 1970
- ◆ Professional Engineering Examinations, PEO, 1974/75

#### Professional Memberships

- ◆ P.Eng., 1976
- ◆ MCIC, 1976
- ◆ MCSCHE, 1976
- ◆ OE (Iron Ring), 1980
- ◆ MRCI, 1991
- ◆ MCNS, 1999
- ◆ OSPE, 2001

#### PEO Activities

- ◆ Executive Member, ETC, 1989-present
- ◆ Vice Chair, ETC, 1995

#### Employment

Possess broadly based expertise from multiple engineering and scientific disciplines, such as nuclear and fossil powered generation, solid waste management, air and water pollution control, corrosion protection, resins and coatings, anodizing, and paper finishing. Some of the companies and organizations I have worked for include: Rolland Paper, Brimac Anodizing, Cromac Chemicals, PPG Industries, Duratron Systems, Ashland Chemicals, Ontario Hydro (now OPG), the Ontario Ministry of the Environment and Energy, and Atomic Energy of Canada Limited.

#### Distinction

- ◆ Honoured as one of the "2000 Outstanding Scientists of the 21st Century" by the International Biographical Centre, Cambridge, England, U.K., 2001.



My education and experience have prepared me well for understanding the current and future issues facing our profession. Continual change is the only certainty facing us in an uncertain world, and PEO has to adapt to changes in society and industry, taking into account the latest developments in technology and practice. I am honoured to have been invited to stand for election as East Central Region Councillor, and if elected I shall endeavour to ensure that our profession continues to remain vibrant and responsive to the twin threats posed by environmental degradation and globalization. In particular, the following issues will receive the focus of my attention:

- ◆ Maintaining and improving the value and relevance of the P.Eng. designation;
- ◆ Being inclusive and welcoming of immigrant engineers;
- ◆ Working with OSPE and the learned societies to provide programs to assist members with continuing professional development; and
- ◆ Attracting larger numbers of the newer engineering disciplines, such as computer, software and biomedical engineering, to PEO.

I ask for your support in pursuit of the above objectives.



**SANTOSH K. GUPTA, PH.D., P. ENG.**  
 Consultant, (retired Engineer, Hydro One),  
 Scarborough

Nominated by the East Central Region  
 Nominating Committee

#### Education

B.Sc. (Eng.) 1961, M.Eng. 1962, Ph.D. (Waterloo) 1974

#### Employment

- ◆ 1981-2000: Hydro One/Ontario Hydro, management and professional engineering positions
- ◆ 1978-1981: Rousseau, Sauve, Warren Inc., Montreal, Senior Engineer
- ◆ 1963-1978: Consulting Engineer and Professor, Canada, Kenya and India

#### Professional Registration

- ◆ Member, PEO since 1974
- ◆ Member, OIQ, 1976-1981
- ◆ AMIE (India), 1961-1970

#### PEO/Chapter Volunteer Services

- ◆ Experience Requirements Committee, PEO
- ◆ Discipline Committee, PEO
- ◆ Director, PEO/OSPE Liaison, Scarborough Chapter
- ◆ Executive Secretary, Council of Ontario Deans of Engineering
- ◆ CEAB accreditation teams, Ottawa, Carleton and Ryerson universities

#### Boards and Committees

- ◆ Ottawa River Regulation Planning Board, 1983-1987
- ◆ Ottawa River Operating Committee, 1983-1986
- ◆ Hydrometric Gauges Subcommittee, Ottawa River, 1983-1984

- ◆ Flood Risk Management Task Force, Ottawa River, 1986-1988
- ◆ Operations Advisory Group, St. Lawrence River, 1983-1985
- ◆ Society of Energy Professionals, 1996-2000
- ◆ Association of Employees for Employment Equity, 1986-2000

◆◆◆

I feel honoured to be nominated by the East Central Region Nominating Committee for election to the PEO Council. I solicit your support. With the cooperation of fellow Councillors, PEO staff and OSPE, I will focus on enhancing chapter participation in PEO activities, refurbishing PEO's regulatory policies and on raising the value of the engineering profession in the market place. My goal is to:

- ◆ Clearly define the role of chapters in the context of distinct responsibilities of PEO and OSPE;
- ◆ Involve the chapters upfront in PEO affairs and quickly implement START II recommendations;
- ◆ Bring the voice of the chapters to the Council and keep the membership apprised of Council's deliberations in a timely manner. I will facilitate timely postings of decision summaries on PEO's website, frequent membership briefings through face-to-face meetings and email;
- ◆ Align PEO's policies and processes with today's realities of engineering practice;
- ◆ Many issues beg attention. For example, the professional engineer designation currently bestows the right to provide engineering services without adequately defining the area(s) of practice. Society expects PEO to protect the public interest and to ensure that engineering is done by (or under the direct supervision of) "competent" engineers who can be held accountable for the work. The Certificate of Authorization helps; however, it does not cover all situations. The relevant policies and processes need to be reviewed and re-aligned. Globalization, emerging new disciplines, e-commerce, etc. further complicate the issue;
- ◆ Work through the PEO and OSPE staff to help the government recognize the need to proactively obtain input from engineers right from the planning stage of public infrastructure projects.

Please support me. Thanks.

ARHANT K. JAIN, P.ENG.

Inspection, Valves and Controls, Dresser Canada, Burlington

Nominated by the West Central Region Nominating Committee

Material for publication not supplied by deadline.



SOLOMON KO, P.ENG.

Fuels Safety Engineer, Technical Standards and Safety Authority, Toronto

Nominated by the West Central Region Nominating Committee

#### Education

- ◆ B.Sc. (Eng), University of Hong Kong, 1973, Mechanical Engineering
- ◆ Certified Diploma in Accounting and Finance, ACCA, U.K., 1976
- ◆ LL.B., University of London, U.K., 1987
- ◆ Barrister-at-Law, Gray's Inn, U.K., 1988

#### Employment History

- ◆ Started engineering career in 1966 as an apprentice, with over 35+ years global experience in various engineering, operation, marketing and management positions
- ◆ Seven years with CSA, developing Canadian national and binational standards in petroleum and construction programs
- ◆ Four years with the current employer, TSSA, making people's lives better by enhancing public safety in fuels activities

#### PEO Activities

- ◆ PEO Member since 1999
- ◆ Member, Governance T/F (2001-present)
- ◆ Member, Enforcement Committee (1999-present)
- ◆ Chair (present), Vice-Chair (2000-2001), Executive (1999-2000), Brampton Chapter
- ◆ Exhibits Director, Engineering Innovations Forum, National Engineering Week (2001-present)

#### Other Professional Memberships

- ◆ OSPE, since 2001
- ◆ APEGBC, 1994-1999
- ◆ HKIE, since 1988
- ◆ I.Mech.E., since 1979



I am always proud to be an engineer. After working 35+ years in the profession, engineering has become part of me; it is my life. I want to see the profession in the hands of a top-quality governing body.

With its confirmed redefined role, PEO has a vision to regulate the profession in an open, transparent, inclusive manner. This requires a renewed governance structure to improve communication with all stakeholders and members and to maintain the high quality and standard of the profession and the relevance of our membership.

I believe my multidiscipline background, coupled with local and global experience, and my passion for the profession will qualify me to help fulfil the vision. In addition, my recent intensive involvement in the enforcement and governance tasks has prepared me for tackling these two most important functions in PEO.

I pledge to see in place a new governance structure that will enhance the effectiveness in PEO's core functions and enable it to respond quickly to changing conditions and emerging disciplines, a structure that will strengthen the chapter system and stimulate more and open communication between Council and members. The governance should also institute a more fiscally responsible PEO that will spend our licence money prudently.

To assure the relevance of our licence, we will step up our enforcement activities to ensure only P.Engs will perform engineering work. Actions will include wide-ranging communication to the public rather than punishment alone.

I want to see that our governing body is relevant, vibrant and effectively functional and we will all be proud to be part of it.

Please vote for me to serve you and our profession.





**PHILIP MAKHA, P.ENG.**  
Retired, former Senior Technical Specialist  
Ontario Power Generation, Mississauga

Nominated by the West Central Region  
Nominating Committee

#### Education

B.A.Sc., University of Toronto, 1975

#### Experience

- ◆ 1975-2002: Worked for Ontario Hydro, now Ontario Power Generation, in design, construction, nuclear and fossil operations
- ◆ 2002-present: Contract Engineering and Project Management Services

#### PEO Activity

- ◆ Sixteen years on the Mississauga Chapter executive; served three terms as Chapter Chair and on all other Chapter executive positions (currently Chair)
- ◆ PEO Corporate Identity Committee, 1993
- ◆ PEO AGM Committee, 1995

#### PEO Awards

Member of the Order of Honour, 1998

#### Past Community Service

- ◆ Scouts Canada, Assistant Leader
- ◆ Science Fair Judge, Peel Region



These are dynamic times for our profession. Council is under pressure to maintain PEO's relevance as a self-governing profession and, sometimes, must make changes that are unpopular with segments of the membership. A recent example is the decision to grant limited licences to technologists. Members must have input to these decisions. Unfortunately, members are often not informed of issues impacting the profession. Local chapters are excellent vehicles for two-way communication. They can communicate members' concerns to Council and inform engineers of current issues. A strong chapter system will open communication channels for members. Chapters are represented at Council through the Regional Councillors Committee (RCC). RCC is one of many committees reporting to Council, diminishing its ability to affect policy. The Governance Task Force should review mechanisms to give RCC a stronger voice in Council.

I will:

- ◆ Initiate and support actions within Council to improve grassroots participation on issues affecting our profession;
- ◆ Take steps to ensure members are consulted prior to implementing changes that deplete PEO reserves or increase fees;
- ◆ Work within Council to strengthen electronic communication and support chapters, to reduce expensive hard-copy distribution;
- ◆ Work within Council to ensure the "engineer" designation is granted only to men and women who have met our profession's education and experience requirements;
- ◆ Review certificate presentations across the region to ensure the atmosphere is conducive to attracting future active volunteers;
- ◆ Visit each West Central Region chapter at least annually;
- ◆ Strive to improve funding for the chapters;
- ◆ Ensure that RCC brings membership concerns to Council and gives feedback on results;
- ◆ Work with chapter members to clarify the chapters' regulatory role;
- ◆ Review the need for a Certificate of Authorization.



**MICHAEL CRUTCHLEY, P.ENG.**  
Senior Corrosion Engineer,  
Union Gas Limited  
Chatham

Nominated by the Western Region  
Nominating Committee

#### Education

- ◆ B.Sc. Mechanical Engineering, University of Natal, South Africa, 1984
- ◆ P.Eng., PEO, 1997
- ◆ NACE-CP Level 2, 2001

#### Professional Career

##### *Canada (1993-present)*

- ◆ Union Gas Limited (1999-present)
- ◆ Researcher, University of Guelph/OMAFRA (1994-1999)

##### *South Africa (1984-1993)*

- ◆ Maintenance Management and Project Management in a number of roles and industries

#### PEO Activities

Chatham-Kent Chapter: Chair (2001-present) and Education Coordinator (1998-2000)

#### OSPE

- ◆ I am a full member.
- ◆ Member of Province-wide Participation Task Force (2001-2002). This group was tasked with examining and developing the role of chapters within the framework of the mandates of both PEO and OSPE.



Engineers want value and efficiency from their professional organizations. No engineer respects a situation where discord overrules logical and sensible decision making and policies. Oversight of the public's interest is best served by a governing body that makes professionalism a priority and a strong advocacy body that makes engineers proud. That's why I have chosen to be involved in both PEO and OSPE. PEO needs greater representation from all disciplines. What about electrical engineering, computer engineering and software engineering? What about self-employed engineers?

As a foreign-trained engineer, I faced more challenges to become licensed than a Canadian graduate and my training included a more formalized EIT system. I want to use this experience to contribute to the progression of graduates through being EITs to becoming professional engineers. Transferability of the licence across provinces and the United States is another issue that needs attention.

My track record in Chatham-Kent mirrors the values that I consider important: communication, efficiency and involvement. I maintain an electronic database to effectively communicate with our membership. In fact, 75 per cent of our members now receive newsletters and other information electronically. Attendance at our events now regularly numbers about 40 per cent of our 289 members. We have obtained sponsorship for most chapter events to improve what we offer, and this has enabled us to make donations to local organizations, such as the Children's Safety Village. This year, we have worked extensively with schools to make children aware of engineering as a career. By partnering with SAE (Society of Automotive Engineers), we obtained a donation of almost \$50,000-worth of activity kits as part of the "A World in Motion" program.



**DIANE L. FREEMAN, P.ENG.**  
Senior Project Manager-Air Quality Group  
Conestoga-Rovers & Associates (CRA)  
Limited, Waterloo

Nominated by the Western Region  
Nominating Committee

#### Education

- ◆ University of Waterloo, Civil Engineering, May 1992

#### Employment

- ◆ Senior project manager with CRA working in the area of air quality, including ambient air quality monitoring program development and implementation, air quality permitting, air dispersion modelling, and air emission inventories

#### PEO Activities

- ◆ Licensed Professional Engineer, August 1994
- ◆ Chapter Education Coordinator, Kitchener-Waterloo Chapter Executive (now known as Grand River Chapter) 1994-2000
- ◆ Member, PEO Education Committee, 1999-present
- ◆ Invigilator for Professional Practice Examination, Waterloo Centre, 1999-present

#### Other Activities

- ◆ Director and Education/Training Committee Chair, Municipal Waste Integration Network, 2002
- ◆ President, Butterfly Learning Centre (not-for-profit childcare facility), 2000-present



I am honoured to be nominated by the Nominating Committee to stand as a candidate for PEO as Western Region Councillor. I am looking forward to the opportunity to help strengthen PEO's role as a regulatory body and assist PEO in moving forward in cooperation with the Ontario Society of Professional Engineers. I believe that any type of change creates opportunities for innovation. I look forward to working with other PEO Councillors to develop new strategies and implement new programs to continue the important work carried out by PEO.

I am committed to professional awareness and ensuring that PEO strives to meet its regulatory commitment to "endeavour at all times to enhance the public regard for the practitioner's profession by extending the public knowledge...with respect to professional engineering" (from Ontario Regulation 941). The continued support of the PEO chapters through Western Region will help to ensure that this regulatory commitment is met. I am looking forward to working with the chapter chairs and the senior Western Region Councillor to assist in initiating new avenues for professional awareness as well as to strengthen existing programs.

PEO is a highly recognized regulatory body throughout Canada and the United States. It will be an honour to be able to provide professional time and to serve as Western Region Councillor for a two-year term.