Qualifications and Eligibility Criteria for IEEE Canada Major Awards

Reviewed and submitted by the IEEE Canada ARC on June 5 , 2026

Reviewed and approved by IEEE Canada Steering Committee on June 8-9, 2026

Endorsed by IEEE Canada Board on June 12, 2026

Approved by IEEE MGA ARC on August 31, 2026

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BACKGROUND

IEEE Canada's annual awards program stands as a formal recognition of excellence, honouring individuals whose work has left a lasting imprint on technology, the profession, and the broader community. These distinctions celebrate not only achievement but also the enduring influence of contributions that advance knowledge, inspire innovation, and elevate standards across engineering, scientific, and societal domains.

IEEE Canada, as the award endorser (owner and sponsor), annually presents 11 major awards: seven (7) Achievement Awards and four (4) Service Awards; each consists of a medal, a plaque, and an allowance for travel to the Award Ceremony (if required).

> **Achievement Awards:** To acknowledge pioneering and transformative contributions within IEEE's fields of interest and their impact on the broader community.
>
> **Service Awards:** To recognize those whose sustained dedication has strengthened IEEE Canada and enriched society at large.

Together, these honours affirm the value of leadership, impact, and commitment at the highest level.

These prestigious Awards are as follows:

Achievement Awards

- A.G.L. McNaughton Award
- R.H. Tanner Industry Leadership Award Service Awards
- R.A. Fessenden Award
- P.D. Ziogas Electric Power Award
- C.C. Gotlieb Computer Award
- Outstanding Engineer Award
- J.M. Ham Outstanding Engineering Educator Award



Service Awards

- W.S. Read Outstanding Service Award
- J.J. Archambault Eastern Canada Merit Award
- M.B. Broughton Central Canada Merit Award
- E.F. Glass Western Canada Merit Award



LIFETIME ACHIEVEMENT AWARDS

1. A.G.L. McNaughton Award

1.1. DESCRIPTION

Through the A.G.L. McNaughton Award and Gold Medal, IEEE Canada commemorates General McNaughton's remarkable legacy and his contributions to the engineering profession, in which he epitomized technical excellence, and to the society at large in Canada. Recipients of the McNaughton Medal are outstanding Canadian engineers whose life achievements have made a lasting impact in any of the diverse engineering and scientific fields, showing strong commitment to the engineering profession, significant innovation, and exemplary service to the wider community.

The IEEE Canada (Region 7) A.G.L. McNaughton Award and Gold Medal is the highest distinction conferred annually by IEEE Canada. It recognizes exceptional contributions and an outstanding career in technology, engineering, or science. This prestigious honour celebrates Canadian engineers whose extraordinary achievements have made lasting and transformative impacts on Canadian society and the global community, and who have proven exemplary leadership and service within the engineering profession.

The emphasis is on two aspects that must be proven:

- **Exceptional contributions** and an outstanding career in technology, engineering, or science, and
- **Extraordinary achievements** that have lasting and transformative impacts on Canadian society and the global community

About A.G.L. McNaughton

General Andrew George Latta McNaughton (1887–1966) was a Canadian electrical engineer, army officer, cabinet minister, and diplomat. McNaughton earned an M.Sc. degree in Electrical Engineering at McGill University in 1912. He then remained a professor of engineering at McGill University. His work resulted in the invention of a cathode ray direction finder, a forerunner of radar. During WWI, he served as an officer of the Canadian Expeditionary Force. After the war, he was Chief of the General Staff and instrumental in modernizing the Canadian Army. From 1935 to 1939, he was President of the National Research Council of Canada. During WWII, he commanded the First Canadian Infantry Division (1940), served as the commander of the First Canadian Army (1942-1943), and then as Minister of National Defence (1944-1945, worked on postwar military reorganization and issues related to veterans' reintegration into civilian life; was a proponent of using multilateral approaches for international peacekeeping, which would later become a defining feature of Canadian foreign policy). After WWII,

McNaughton was Canada's Representative to the United Nations' Atomic Energy Commission (AEC, dealt with atomic energy regulation and nonproliferation after the war), chaired the Canadian Atomic Energy Control Commission (19461948), served as Canada's Ambassador to the United Nations (1948-1949, served as a key representative on issues of peace and security), and chaired the Canadian Section of the International Joint Commission (1950-1962). General McNaughton was recognized with numerous honours, including the IEEE medal, and had a lasting impact on Canada's military and diplomacy.

1.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

1.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member or non-member in good standing.
- a Canadian resident.

1.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

The following details the qualifications required for the award and underscores the significant, multifaceted contributions expected from nominees. Each nomination should present clear, compelling evidence that addresses these essential areas.

i) **Outstanding Record of Life-Long Achievements:**

Nominees should have a strong history of substantial achievements throughout their careers. Their sustained contributions must have led to major advancements in their field, illustrating consistent excellence, innovation, and leadership over time.

ii) **Exceptional Contributions:**

The nomination should include a thorough list of exceptional contributions, especially those spanning one or more areas of engineering and science that have positively advanced technology for society's benefit. These may include pioneering research and development, innovative technologies or processes, or advances in theory and practice. Each contribution should be well-documented, demonstrate originality, creativity, and technical excellence. Although a contribution may focus on a specific discipline, it should also have broad, transformative effects across related fields of engineering and science and help address real-world problems.

iii) **Positive Impact on Society and the Engineering and Science** Professions:

The nomination should clearly present the nominee's achievements emphasizing their positive impact across diverse engineering and science fields. This applies whether the nominee worked within an organization or was self-employed. . It should define the scale and scope of the nominee's contributions, and support them with concrete evidence. Positive impact may include introducing modern technologies, methods, or paradigms that have significantly shaped the profession and influenced future generations of engineers and scientists.

iv) **Exemplary Service to the Engineering and Science Community:**

Exceptional service to the broader engineering and science community should be highlighted. This may involve leadership roles in industry, education, mentorship, and the development of highly qualified professionals. Furthermore, service to professional societies, advocacy for the advancement of engineering and science, support for specific technical fields, or initiatives that foster interdisciplinary collaboration and knowledge exchange are key areas to emphasize.

v) **Positive and Lasting Impact on Society:**

Nominees should have made significant contributions that tangibly enhanced the well-being of individuals, communities, or the environment, showing a strong commitment to societal improvement. Their work should show a clear, measurable, and enduring impact on society, which can be shown through achievements that address societal challenges, improve quality of life, or promote sustainable development. The nomination must name and prove the recipient's lasting impact on society at large.

vi) **Leadership and Mentorship in Shaping Future Generations:**

In addition to technical accomplishments, the nominee should show exceptional leadership in mentoring the next generation of engineers and scientists. This includes cultivating talent, offering guidance, and inspiring others through both personal example and professional initiatives. Contributions to the development of academic, industry, or other professional programs that nurture future innovators are highly valued.

vii) **Commitment to High Ethical Standards and Integrity:**

The nominee should exemplify the highest standards of professional ethics, integrity, and responsibility. Their work must reflect a dedication to advancing engineering and science while respecting societal values, safety, sustainability, equity, and diversity.

1.5. PRIZE ITEMS

The award consists of a gold medal, a plaque, and a travel allowance to the awards ceremony (if required).

1.6. PRIZE FUNDING

The award was established in 1969, with IEEE Canada funds, with support from the IEEE Canadian Foundation.

1.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

1.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(i) A minimum of nine (9) and maximum of 15, excluding the ARC Chair.

(ii) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender.

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

1.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering

Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

1.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

1.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

1.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

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2. R.H. Tanner Industry Leadership Award

2.1. DESCRIPTION

Recipients of this award are outstanding Canadian professionals recognized for their important leadership contributions in the Canadian industry, where there is significant activity in areas of interest to IEEE. Award established in 2009.

About R.H. Tanner
Robert H. (Bob) Tanner (1915-2002) received his B.Sc. In Electrical Engineering and his M.Sc. in Acoustics from Imperial College of Science and Technology in London, England, and began his career with the British Broadcasting Corporation as a pioneer in the world's first high-definition television station developing audio techniques and researching the acoustics of studios and concert halls. Following service in the Royal Signals during WWII, Bob immigrated to Canada with his young family in 1947 where he commenced an outstanding engineering career with Northern Electric in Belleville, Ontario. There he advanced into leadership roles in research and development. He moved to Ottawa in 1960 where he helped found Northern Electric's Research and Development

Division, Bell Northern Research, and subsequently the Canadian Department of Communications. His work spanned telecommunications and acoustical design, contributing to the design of key Canadian landmarks, including the Stratford Festival Theatre and the Royal Canadian Mint.

Tanner's influence extended beyond industry. As an active member of the IEEE, he served as the first non-U.S. president of IEEE in 1972, during which he helped restructure IEEE Canada. Tanner's legacy reflects a deep commitment to advancing telecommunications, the engineering profession, and the engineering community.

2.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

2.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member or non-member in good standing.
- a Canadian resident.

2.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This award honours individuals who, throughout their career, have demonstrated outstanding dedication to leadership, innovation, service, and contributions to the Canadian engineering and telecommunications industry. The award recipients should have demonstrated significant contributions in more than one of the areas described below:

i) Exemplary Leadership in Industry:

The recipient should show a record of leadership in Canadian industry, particularly in fields such as telecommunications, broadcasting, acoustics, or electrical engineering. Tanner's leadership roles at Northern Electric (later Bell-Northern Research, and Northern Telecom, Nortel) exemplify this quality, as he guided advancements in telecommunications and acoustical technology in Canada.

ii) Innovation and Technical Contributions:

Candidates should have made significant technical and/or scientific contributions that advanced their field. Tanner's work with the BBC on the first high-definition television

broadcasts and his acoustical designs for major Canadian landmarks illustrate the level of innovation that this award honours.

iii) Service to the Professional Engineering Community:

Tanner was a key figure in IEEE, serving as its first non-U.S. president and helping to shape IEEE Canada. Award candidates should ideally have contributed to professional organizations or standards bodies, fostering collaboration and development within the engineering community. iv) Commitment to Industry Advancement and Public Impact: Tanner's work not only advanced industry standards but also contributed to public infrastructure, such as the design of the Stratford Festival Theatre and the Royal Canadian Mint. Candidates should demonstrate a commitment to projects or innovations that positively impact society and uphold high ethical standards.

iv) Sustained Excellence and Professional Recognition:

Much like Tanner's receipt of the IEEE McNaughton Medal and the Haraden Pratt Award, candidates for this award should have earned recognition for their work from reputable engineering organizations or industry bodies.

2.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

2.6. PRIZE FUNDING

The award was established in 2009 and sponsored by the IEEE Canadian Foundation.

2.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

2.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(iii) A minimum of nine (9) and maximum of 15, excluding the ARC Chair.

(iv) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender.

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

2.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

2.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

2.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

2.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

3. R.A. Fessenden Award

3.1. DESCRIPTION

IEEE Canada remembers, through the R.A. Fessenden silver medal, his pioneering transmission of intelligible speech by electromagnetic waves. Recipients of this award are outstanding Canadian engineers recognized for their important contributions to the field of telecommunications engineering. This award was established in 2000, and consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

About R.A. Fessenden

Reginald Aubrey Fessenden (1866-1932) was a Canadian-born inventor who received many patents (over 500), mostly related to radio and sonar. He is known for his pioneering work in radio technology, including the amplitude modulation (AM), continuous wave telegraphy and telephony, the first transmission of speech by radio (1900), and the first two-way radiotelegraphic communication across the Atlantic Ocean (1906). He did a majority of his work in the United States and had both Canadian and U.S. citizenship.

In 1892, he was appointed as a professor for the newly formed Electrical Engineering department at Purdue University in West Lafayette, Indiana. In 1893, he was appointed Chair of the Electrical Engineering department at the Western University of Pennsylvania in Pittsburgh. In 1900, he left Pittsburgh to work for the United States Weather Bureau to demonstrate the practicality of using coastal stations to transmit weather information. Fessenden also developed the heterodyne principle to produce an audible tone that made Morse code transmissions much easier to hear. However, heterodyne reception would not become practical for a decade after it was invented. In 1906, he demonstrated the first successful two-way transmission across the Atlantic, exchanging Morse code messages. He appears to be the first to attempt an entertainment radio broadcast on Christmas Eve 1906. In 1921, the Institute of Radio Engineers presented Fessenden with its IRE Medal of Honour. In 1929, Fessenden was awarded Scientific American's Safety at Sea Gold Medal, in recognition of his invention," of the Fathometer and other safety instruments for safety at sea".

3.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

3.3. ELIGIBILITY:

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past three (3) years.

3.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

The points outlined below clarify the qualifications for the award and emphasize the impact and multi-dimensional nature of the contributions expected from a nominee affiliated with any organization or institution, or being self-employed. A nomination for this award must provide strong and compelling evidence in the following essential areas:

i) Innovation in the field of telecommunications engineering:

The recipient should demonstrate significant contributions to telecommunications engineering. Due to tremendous advances in telecommunications over the last century, the field includes numerous wired and wireless communication technologies (using electromagnetic waves to carry information at a distance), such as – but not limited to – mobile broadband, Wi-Fi, and Bluetooth; and optical communications (using light to carry information at a short, medium, and long-range distance).

ii) Impact on Radio:

Fessenden is recognized for his work on continuous wave telegraphy and telephony, with applications to radio broadcasting, yet also exploring underwater acoustic communication. Candidates should show innovation in creating or improving technologies that use the transmission of information or data by advanced telecommunications means.

iii) Academic and Industry Collaboration:

In light of Fessenden's work in both industry and academia, a prospective award recipient should have a track record of bridging academia and industry to solve real-world communication challenges. This could involve impactful partnerships or applied research that translates theoretical or other technical insights into practical solutions for telecommunications.

iv) Educational Influence and Mentorship:

Since Fessenden worked for a period as a faculty member, teaching electrical engineering, recipients should ideally contribute to the education and mentorship of future engineers, demonstrating excellence in teaching, research supervision, or developing programs that promote telecommunications engineering.

v) IEEE or Professional Service:

Nominees should also show significant service or leadership to professional organizations, fostering community development, advancing industry standards and sharing knowledge.

3.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

3.6. PRIZE FUNDING

The award was established in 2000, IEEE Canada funds with support from the IEEE Canadian Foundation.

3.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

3.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(v) A minimum of nine (9) and maximum of 15, excluding the ARC Chair.

(vi) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

3.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

3.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

3.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

3.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

4. P.D. Ziogas Electric Power Award

4.1. DESCRIPTION

IEEE Canada remembers, through the P.D. Ziogas Electric Power Award, his contributions to the development of electric power. Recipients of this award are outstanding Canadian engineers recognized for their important contributions to the field of electric power engineering. This award was established in 2007 and named in 2017,

and consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required). Sponsored by London Hydro and Concordia University.

About P.D. Ziogas

Phoivos Ziogas (1944-1992), was a distinguished Canadian engineer, a university professor, an IEEE Fellow, and a renowned figure in the field of electric power engineering. Known for his groundbreaking work in power electronics, particularly in the areas of power conversion and control, Dr. Ziogas contributed significantly to the advancement of technologies critical for energy systems and renewable energy integration.

His work focused on high-efficiency power conversion systems, including the development of advanced converters and inverters that are essential for modern power systems, especially in applications like renewable energy sources, electric vehicles, and energy storage. His contributions have had a considerable impact on improving the efficiency, reliability, and control of power systems, which are crucial for sustainable energy infrastructure.

Dr. Ziogas was a professor, and former department chair, at Concordia University in the Department of Electrical and Computer Engineering from 1978 to 1992. Throughout his career, he received numerous awards and recognition for his technical achievements and innovations. His research and publications have influenced power engineering practices worldwide, and his work has been foundational in the design and control of power electronics systems used in industries ranging from manufacturing to green energy. Much of his work was done in collaboration with industry.

Apart from his research contributions, he made a substantial impact as an educator, mentoring many students who went on to make significant advancements in the field. His legacy in electric power engineering highlights his dedication to both advancing technology and educating the next generation of engineers. He also contributed extensively to IEEE having served as its Editor-in-Chief for the IEEE Transactions on Industrial Electronics, and the IEEE Transactions on Industry Applications.

4.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

4.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,

- a Canadian resident , and
- an active IEEE Canada member in good standing for a minimum of the immediate past three (3) years.

4.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This award honours individuals who demonstrate excellence and innovation in the field of electric power engineering, focusing on the principles and values that characterized Dr. Ziogas' work: balancing technical innovation with meaningful contributions to industry, education, and the engineering profession. The award recipient would have demonstrated significant contributions in more than one of the five areas described below:

i) Innovation in Power Systems, Power Electronics and Power Converters:

The recipient should demonstrate significant contributions in power systems, energy conversion, power electronics, and power converter technology. This aligns with Dr. Ziogas's pioneering work on high-power converters and PWM techniques, which advanced the efficiency and functionality of power systems.

ii) Impact on Renewable Energy and Sustainable Power Solutions:

Dr. Ziogas was recognized for his work that has applications in renewable energy systems and power quality improvement. Candidates should show leadership or innovation in creating or improving technologies that support renewable energy and energy storage integration and sustainability in electric power systems.

iii) Academic and Industry Collaboration:

Given Dr. Ziogas's strong collaborations with industry leaders like Northern Telecom, a prospective recipient should have a track record of bridging academia and industry to solve real-world engineering challenges. This could involve impactful partnerships or applied research that translates academic insights into practical solutions for power electronics.

iv) Educational Influence and Mentorship:

Dr. Ziogas was a dedicated educator who helped establish one of the world's leading power electronics laboratories. Recipients should ideally contribute to the education and mentorship of future engineers, demonstrating excellence in teaching, research supervision, or developing programs that promote power engineering.

v) IEEE or Professional Service:

As an active IEEE member and editor, Dr. Ziogas contributed extensively to professional development within the IEEE community. Nominees might also show significant service or leadership within professional organizations, fostering community and advancing industry standards and knowledge sharing.

4.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

4.6. PRIZE FUNDING

The award was established in 2007 and named in 2017; IEEE Canada funds were provided with support from the IEEE Canadian Foundation. Sponsored by London Hydro and Concordia University.

4.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

4.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(vii) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(viii) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

4.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

4.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

4.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

4.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

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5. C.C. Gotlieb Computer Award

5.1. DESCRIPTION

Recipients of this award are outstanding Canadian engineers recognized for their important contributions to the field of computer engineering and science. This award was

established in 2007 and named in 2012; it consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

About C.C. Gotlieb

Calvin Carl "Kelly" Gotlieb, often called the "father of computing in Canada," made significant contributions to computer engineering and computer science. Born in 1921, Gotlieb was a Canadian pioneer in computer science, starting in the 1940s, and marked many “firsts.” Gotlieb's work extended to various fields, including data processing, programming languages, and artificial intelligence. He played an instrumental role in creating Canada’s first computer, the University of Toronto Electronic Computer Mark I (UTEC), which debuted in the early 1950s. His research and guidance influenced generations of Canadian computer scientists and engineers.

In addition to his technical contributions, Gotlieb worked extensively on the ethical and social implications of computing, contributing to the creation of guidelines for responsible computing practices. His influence led to various advancements in computer science education, including the establishment of computer science programs across Canada.

Throughout his career, Gotlieb received numerous accolades, including the Order of Canada, in recognition of his pioneering contributions and leadership in computer science.

5.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

5.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past three (3) years.

5.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This award honours individuals whose careers embody Gotlieb's visionary contributions, reflecting his pioneering legacy of helping advance not only technology yet, transformative contributions to computer science and engineering based on the ethical

and societal frameworks within which it operates. The award recipient would have demonstrated significant contributions in more than one of the five areas described below:

i) Pioneering Contributions:

The recipient should have demonstrated groundbreaking work in computer science, data processing, software engineering, artificial intelligence, or related fields, with a particular emphasis on innovation that advances the field substantially.

ii) Educational Impact:

Gotlieb was instrumental in the creation and expansion of computer science education in Canada. A recipient should have made notable contributions to educating the next generation of computer scientists, such as developing influential curricula, mentorship, or expanding access to computer science education.

iii) Ethics and Social Responsibility:

As Gotlieb emphasized ethical computing, recipients should show a commitment to promoting responsible and ethical practices in computing, including advocating for data privacy, security, or addressing the societal impacts of technology

iv) National or International Leadership:

Given Gotlieb's influence in establishing Canada’s computer science field, recipients should demonstrate leadership in the computing community either nationally or internationally, contributing to professional organizations, policy development, or fostering collaboration within the industry.

v) Long-Term Impact:

Like Gotlieb’s legacy, the recipient’s contributions should have enduring and measurable impact on the field of computing or society, demonstrating sustained excellence and influence over time.

5.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

5.6. PRIZE FUNDING

The award was established in 2007 and named in 2012; IEEE Canada funds with support from the IEEE Canadian Foundation.

5.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

5.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(ix) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(x) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

5.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

5.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

5.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

5.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

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6. Outstanding Engineer Award

6.1. DESCRIPTION

Recipients of this award are outstanding engineers who have made significant contributions and exemplify the pinnacle of achievement in one or more IEEE fields of interest, and who have distinctively impacted the field while upholding the highest professional standards. This award is normally not available to candidates in telecommunications engineering, power engineering, or computer engineering or science, as there are other IEEE Canada awards for these technical fields. This award was established in 1994. It consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

6.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

6.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past three (3) years.

6.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This award honours individuals who have demonstrated significant contributions in more than one of the areas described below:

i) Field of Expertise:

Contributions in one or more IEEE fields of interest (please refer to those of the IEEE Societies and Councils, and to activities that IEEE is involved in). As noted in the award description, nominations for achievements in the fields of telecommunications engineering, power engineering, and computer engineering or science are not normally eligible, as there are IEEE Canada awards designated for these technical fields. However, interdisciplinary work may be considered if the primary focus aligns with the IEEE fields of interest.

ii) Significant Contributions:

Achievements must have made a substantial impact on the advancement of the profession, whether through innovation and research, technological developments, leadership in engineering projects, educational advancements or mentorship within the field. A strong track record of collaboration and influence within the engineering community is advantageous.

iii) Broader Impact:

Contributions to industry, academia and/or government sectors should have benefited broader society, showcasing how engineering addresses contemporary real-world challenges.

iv) Professional Experience and Reputation:

Recognized as a leader in the IEEE community, either through technical expertise or contributions to the engineering profession at large. Plus, demonstrates commitment to professional excellence and high ethical standards.

v) Involvement in Professional Organizations:

Active contributions to IEEE and possibly other recognized engineering societies or institutions (e.g., professional licensing organizations, not-for-profit or non-profit organizations, governmental or non-governmental organizations, etc.).

6.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

6.6. PRIZE FUNDING

The award was established in 1969; IEEE Canada funds with support from the IEEE Canadian Foundation.

6.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

6.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(xi) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(xii) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

6.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

6.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

6.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

6.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

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7. J.M. Ham Outstanding Engineering Educator Award

7.1. DESCRIPTION

Recipients of this award are outstanding Canadian engineers recognized for sharing their technical and professional abilities through teaching (in industry, government or an institution of higher learning) and in doing so have made an outstanding contribution to

engineering education. This award was established in 1994, and consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required). Sponsored by the Canadian Heads of Electrical and Computer Engineering Departments.

About J.M. Ham

James Milton (J.M.) Ham, described as the father of occupational health and safety, was a respected, influential Canadian engineering educator whose career has been marked by significant contributions to engineering education, both in the classroom and through industry collaboration. Known for his commitment to developing technical and professional competencies in engineering students, J.M. Ham has been celebrated for his work in cultivating the next generation of engineers. He's been a university administrator and President of the University of Toronto, chair of the Royal Commission on the Health and Safety of Workers in Mines, researcher at NRC. Ham was also instrumental in founding the Canadian Academy of Engineering and served as its president from 1990 to 1991.

His approach often emphasized practical experience, integrating real-world engineering problems into coursework to better prepare students for industry challenges. This hands-on methodology not only enriched students' learning experiences it also strengthened connections between academia and industry, which is essential in a field as applied as engineering.

Ham's impact extends beyond traditional academia, as he has contributed meaningfully to engineering education within government and industry contexts, sharing knowledge with working professionals and advising on educational standards, influencing engineering practices across multiple sectors, and inspired numerous students and colleagues.

In recognition of these efforts, J.M. Ham's influence on engineering education is widely acknowledged as outstanding, embodying a commitment to elevating both academic and practical aspects of engineering training.

7.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

7.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and

- an active IEEE Canada member in good standing for a minimum of the immediate past three (3) years.

7.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This award honours individuals who embody and strive to uphold Ham's dedication to elevating engineering education and the professional community's ethical and academic standards through, for example, education, mentorship and professionalism in Canada. The award recipient would have demonstrated significant contributions in more than one of the five areas described below:

i) Excellence in Teaching and Mentorship:

The recipient should demonstrate an exceptional ability to educate and mentor engineering students or professionals, fostering both technical skills and professional growth. This reflects Ham's own commitment to teaching and his role in shaping Canadian engineering education.

ii) Contributions to Engineering Education and Curriculum Development:

Ham was known for his influence on engineering curricula and educational standards. Nominees should have made significant contributions to curriculum development, program enhancement, or innovative teaching methods that impact how engineering is taught and learned.

iii) Leadership in Academic or Professional Settings:

As a leader in both academic and professional organizations, Ham demonstrated commitment to advancing engineering as a profession. Ideal candidates would show similar leadership, actively participating in or leading initiatives within universities, professional organizations, or governmental bodies that promote engineering education or professional standards.

iv) Impact on National or International Engineering Communities:

Candidates should have a track record of contributions that resonate beyond their institution, potentially affecting engineering practices, educational policies, or safety standards nationally or internationally, much as Ham's involvement with organizations like the National Research Council and the Canadian Academy of Engineering did.

v) Commitment to Public Service and Professional Ethics:

Ham was involved in several public service projects related to health and safety, like the Royal Commission on Mine Health and Safety. Nominees should reflect this commitment by working on projects or research that serve public interests, uphold ethical standards, and address societal needs related to engineering.

7.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

7.6. PRIZE FUNDING

The award was established in 1994; IEEE Canada funds were provided with support from the IEEE Canadian Foundation. Sponsored by the Canadian Heads of Electrical and Computer Engineering Departments.

7.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

7.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(xiii) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(xiv) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

7.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met

the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

7.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

7.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

7.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

MERITORIOUS SERVICE AWARDS

Note

Regarding the last three listed Service Awards, IEEE Canada has three areas –East, Central, and West – and it awards one Area Service Award per area.

The Award Qualifications for all three Area Service Awards are the same, though nominees must be from the respective award area.

Nominators are encouraged to pay due attention to the Award Qualifications/Eligibility listed for each award. Nominations of candidates whose achievements fall short of satisfying these qualifications may not be further considered.

1. W.S. Read Outstanding Service Award

1.1. DESCRIPTION

This is the highest IEEE Canada Service Award. Recipients of this award are exceptional IEEE volunteers who are recognized for outstanding and sustained service to IEEE Canada and the Institute. The award was established in 1995. It consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

About W.S. Read
Wallace Stanley Read (1930-2011) was a Canadian Engineer who worked in hydro-electric power industries, Newfoundland and Labrador Hydro and its subsidiary companies, and served as the first Canadian Electricity Association (CEA) President. He was an active volunteer since 1965, and served IEEE at local, regional and international levels. To mention just a few among his many roles, he was Chair Region 7 (Canada), Region 7 Director, a Director of the IEEE Foundation, and IEEE President. His record of service to the IEEE is outstanding to say the least. For his steadfast leadership in the electric power industry and mentorship of generations of engineers, he was made a Member of the Order of Canada.

1.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

1.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past ten (10) years.

1.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This IEEE Canada Service Award honours an individual who has demonstrated significant and sustained contributions, meritorious services, and volunteer executive leadership for a minimum of eight (8) years to IEEE Canada (Region 7), in addition to meritorious contributions to any of the IEEE Canada Areas: East, Central, and West. A

recipient of this award exemplifies the commitment, leadership, communication, and service excellence required to successfully advance IEEE Canada's vision, mission, goals, and objectives. Accordingly, a nominee's significant contributions in the following areas are to be considered:

i) Leadership and Representation:

Demonstrated ability to represent interests of Area entities as well as Region directives, serving as a bridge among all entities involved to support effective governance, including information sharing, decision making, completion of objectives, and growth of volunteers' professional and soft-skills.

ii) Strong Communication Skills:

Demonstrated ability to establish open and effective channels of communication among the IEEE entities within the Area and other Regions, fostering discussions to keep all involved parties informed and engaged.

iii) Organizational and Management Skills:

Demonstrated strong organizational capabilities to initiate, manage and supervise activities of several IEEE entities, facilitate meetings, and meet timely reporting requirements, while ensuring adherence to IEEE Canada policies and standards.

iv) Commitment to Member Engagement:

Demonstrated dedication to enhancing member and volunteer involvement and satisfaction, initiatives for membership growth and retention, and overall member engagement within the Area and IEEE Canada.

v) Support for Professional Development:

Demonstrated initiative to organize workshops, strategic planning sessions, and leadership and other training for Area representatives to promote their continuous development, best practices, and effective regional leadership.

1.5. PRIZE ITEMS

The award consists of a gold medal, a plaque, and a travel allowance to the awards ceremony (if required).

1.6. PRIZE FUNDING

The award was established in 1995; sponsored by the IEEE Canadian Foundation.

1.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

1.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(xv) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(xvi) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

1.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

1.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

1.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

1.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

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2. J.J. Archambault Eastern Canada Merit Award

2.1. DESCRIPTION

Recipients of this award are exceptional IEEE volunteers who are recognized for meritorious service in the IEEE Canada Area East, at the Area and their respective IEEE Sections levels. This award was established in 1991. It consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

About J.J. Archambault
Jean-Jacques Archambault (1919 –2001) was a Quebec engineer. He worked at HydroQuébec and is known for his work on the 735kV electric transmission technology in the early 1960s. Although many specialists at that time considered that a 735-kV line was impossible to develop, the Commission hydroélectrique de Québec approved his idea and launched a project to install a transmission line between Montreal and the Manicouagan-Outardes complex. The world's first 735-kV high-voltage transmission line was put in service in 1965, and described as the technological innovation of the 20th century for Quebec by the Ordre des ingénieurs du Québec. The 735-kV lines are the main and largest arteries of transmission systems in North America. In 2005, Hydro-Québec received an IEEE Milestone for this achievement.

2.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

2.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past eight (8) years.

2.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This IEEE Canada Area Service Award honours an individual who has demonstrated significant and sustained contributions, meritorious service and volunteer executive leadership for a minimum of six (6) years to, IEEE Canada Area East. A recipient of this award exemplifies the commitment, leadership, and communication, and service excellence required to successfully advance IEEE Canada's vision, mission, goals, and objectives in the Area East. Accordingly, a nominee's significant contributions in the following areas shall be considered:

i) Leadership and Representation:

Demonstrated ability to represent interests of Area entities as well as Region directives, serving as a bridge among all entities involved in order to support effective governance, including information sharing, decision making, completion of objectives, and growth of volunteers' professional and soft-skills.

ii) Strong Communication Skills:

Demonstrated ability to establish open and effective channels of communication among the IEEE entities within the Area and other Regions, fostering discussions to keep all involved parties informed and engaged.

iii) Organizational and Management Skills:

Demonstrated strong organizational capabilities to initiate, manage and supervise activities of several IEEE entities, facilitate meetings, and meet timely reporting requirements, while ensuring adherence to IEEE Canada policies and standards.

iv) Commitment to Member Engagement:

Demonstrated dedication to enhancing member and volunteer involvement and satisfaction, initiatives for membership growth and retention, and overall member engagement within the East Area of IEEE Canada.

v) Support for Professional Development:

Demonstrated initiative to organize workshops, strategic planning sessions, and leadership and other training for Area representatives to promote their continuous development, best practices, and effective regional leadership.

2.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

2.6. PRIZE FUNDING

The award was established in 1991; IEEE Canada funds with support from the IEEE Canadian Foundation.

2.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

2.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(xvii) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(xviii) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

2.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

2.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

2.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

2.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

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3. M.B. Broughton Central Canada Merit Award

3.1. DESCRIPTION

Recipients of this award are exceptional IEEE volunteers who are recognized for meritorious service in the IEEE Canada Area Central, at the Area and their respective IEEE Sections and Chapters levels. This award was established in 1991. It consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

About M.B. Broughton
Mervyn Blythe Broughton (1929-1995) was an Electrical Engineer with the Ph.D. from Queen's University. He held several positions in industry before joining Royal Military College (RMC) in Kingston in 1979, where he worked as a Professor in Electrical Engineering. He was a member of IRE 1952-62, and a member of IEEE 1962-95. He served in various volunteer positions including as Chair of the IEEE Kingston Section.

3.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

3.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past eight (8) years.

3.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This IEEE Canada Area Service Award honours an individual who has demonstrated significant and sustained contributions, meritorious services, and volunteer executive leadership for a minimum of six (6) years to IEEE Canada Area Central. A recipient of this award exemplifies the commitment, leadership, and communication, and service excellence required to successfully advance IEEE Canada's vision, mission, goals and objectives in the Area Central. Accordingly, a nominee's significant contributions in the following areas shall be considered:

i) Leadership and Representation:

Demonstrated ability to represent the interests of Area entities as well as Region directives, serving as a bridge among all entities involved to support effective governance, including information sharing, decision making, completion of objectives, and growth of volunteers' professional and soft-skills.

ii) Strong Communication Skills:

Demonstrated ability to establish open and effective channels of communication among the IEEE entities within the Area and other Regions, fostering discussions to keep all involved parties informed and engaged.

iii) Organizational and Management Skills:

Demonstrated strong organizational capabilities to initiate, manage and supervise activities of several IEEE entities, facilitate meetings, and meet timely reporting requirements, while ensuring adherence to IEEE Canada policies and standards.

iv) Commitment to Member Engagement:

Demonstrated dedication to enhancing member and volunteer involvement and satisfaction, initiatives for membership growth and retention, and overall member engagement within the Central Area of IEEE Canada.

v) Support for Professional Development:

Demonstrated initiative to organize workshops, strategic planning sessions, and leadership and other training for Area representatives to promote their continuous development, best practices, and effective regional leadership.

3.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

3.6. PRIZE FUNDING

The award was established in 1991; IEEE Canada funds with support from the IEEE Canadian Foundation.

3.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

3.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:
(xix) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(xx) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

3.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

3.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

3.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

3.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.

4. E.F. Glass Western Canada Merit Award

4.1. DESCRIPTION

Recipients of this award are exceptional IEEE volunteers who are recognized for meritorious service in the IEEE Canada Area West, at the Area and their respective IEEE Sections and Chapters levels. This award was established in 1986. It consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

About E.F. Glass
Edward Francis Glass (1928-1993) was an Electrical Engineer with a successful career in utility sales and support. He was President of the Association of Professional Engineers of Manitoba, and served with the Engineering Institute of Canada, the Canadian Electrical Association, and the Canadian Council of Professional Engineers. His IEEE volunteer activities included serving as Secretary, Treasurer, and Chairman of the IEEE Winnipeg Section. He was elected to the IEEE Board of Directors (1978-1979) and concurrently served as chair of Region 7, now IEEE Canada. He initiated the creation of the first IEEE McNaughton Learning Resource Center at the University of Manitoba in 1978 for students to gain entrepreneurial skills to complement their regular program of studies. Today, there are over 40 such centres at Universities and Colleges across Canada.

4.2. ADMINISTRATION

The awards listed in the Background section herein will continue to be administered by the IEEE Canada (Region 7) Awards and Recognition Committee (ARC).

4.3. ELIGIBILITY

A nominee for this award shall be:

- an IEEE Canada (Region 7) member,
- a Canadian resident, and
- an active IEEE Canada member in good standing for a minimum of the immediate past eight (8) years.

4.4. QUALIFICATIONS AND IMPACT CRITERIA FOR AWARD NOMINEES

This IEEE Canada Area Service Award honours an individual who has demonstrated significant and sustained contributions, meritorious services, and volunteer executive leadership for a minimum of six (6) years to IEEE Canada Area West. A recipient of this award exemplifies the commitment, leadership, and communication, and service

excellence required to successfully advance IEEE Canada's vision, mission, goals, and objectives in the Area West. Accordingly, a nominee's significant contributions in the following areas shall be considered:

i) Leadership and Representation:

Demonstrated ability to represent the interests of Area entities as well as Region directives, serving as a bridge among all entities involved to support effective governance, including information sharing, decision making, completion of objectives, and growth of volunteers' professional and soft-skills.

ii) Strong Communication Skills:

Demonstrated ability to establish open and effective channels of communication among the IEEE entities within the Area and other Regions, fostering discussions to keep all involved parties informed and engaged.

iii) Organizational and Management Skills:

Demonstrated strong organizational capabilities to initiate, manage and supervise activities of several IEEE entities, facilitate meetings, and meet timely reporting requirements, while ensuring adherence to IEEE Canada policies and standards.

iv) Commitment to Member Engagement:

Demonstrated dedication to enhancing member and volunteer involvement and satisfaction, initiatives for membership growth and retention, and overall member engagement within the West Area of IEEE Canada.

v) Support for Professional Development:

Demonstrated initiative to organize workshops, strategic planning sessions, and leadership and other training for Area representatives to promote their continuous development, best practices, and effective regional leadership.

4.5. PRIZE ITEMS

The award consists of a silver medal, a plaque, and a travel allowance to the awards ceremony (if required).

4.6. PRIZE FUNDING

The award was established in 1986; IEEE Canada funds with support from the IEEE Canadian Foundation.

4.7. NOMINEE SOLICITATION

Nominations are solicited annually primarily via a call for nominations on IEEE Canada's website, in IEEE Canada's eNewsletter, and by eNotice to all IEEE Canada active members.

Important: Per IEEE Policy 4.4.H – Eligibility and Process Limitations: Individuals serving on any board or committee involved at any stage of the recipient selection or approval process for an award shall be ineligible to receive, or act as a nominator or reference for that award. This conflict-of-interest limitation shall apply to all awards given by IEEE or any of its organizational units. More information on the IEEE Conflict of Interest policy can be found in the IEEE Policies.

4.8. AWARD SELECTION COMMITTEE

The awards selection committee composition shall consist of:

(xxi) A minimum of nine (9) and maximum of 15, excluding the ARC Chair;

(xxii) Highly qualified and diverse group by affiliation (government, industry, academia, former award winners, retirees, etc.), and gender

Their terms of service will initially be staggered so that approximately one-third will cycle-out annually, and the longest serving will not exceed three years. There shall be a minimum of one year's gap between service term.

4.9. SELECTION PROCESS

The process, as per last year, for evaluating the nominees will be based on having all evaluators individually evaluate all the candidates, after validating that the nominee met the required qualifications. Each evaluator will log their evaluation and use a consistent evaluation matrix of metrics and provide justification for the ranking and scoring of nominees, for transparency. Once the evaluations are complete, the ARC Chair will convene a committee meeting to review the evaluations and discuss the outcomes, then agree on the final award recipients. The results will be shared with the IEEE Steering Committee for transparency before presentation to the ExCom for endorsement and Board for final approval.

4.10. SCHEDULE

Typically, the call for nominations is to be made in October of the previous year, with a closing date 30 days later. The evaluation and final Board approval are to happen between November of the same year and April of the following year.

4.11. PRESENTATION

The traditional method for issuing the awards is in person at the IEEE Canada Awards Gala held in conjunction with one of its major conferences, preferably the IEEE Canada CCECE flagship conference.

4.12. PUBLICITY

Traditionally, IEEE Canada and its ARC have publicized the award and awardee through eNotice, the Awards Gala, the IEEE Canadian Review magazine, and a flyer publication.

Methods for increasing the award and awardee recognition beyond the traditional approach, such as media releases, website posting, and other methods, will also be evaluated.
