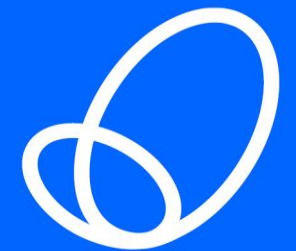


# 2018/19 BOARD ELECTIONS

## CANDIDATE PROFILES

Voting open 1-28 February 2018



**engineering**  
**new zealand**  
Institute of Engineering Professionals



Voting is now open for the Engineering New Zealand Board elections. This is your chance to have your say on how your professional body will be run.

## ELECTED UNOPPOSED

### PRESIDENT



**Kimpton, Dean**  
FEngNZ

I'm Auckland Council's Chief Operating Officer. This means I'm responsible for supporting the city's growth and delivering on customer-service expectations, including regulatory approvals, community services, region-wide capital works and facility management, environmental services and civil defence. I also oversee a range of strategic issues, including water and housing. I've had a range of other governance roles, including chair of QuakeCoRE, board member of Infrastructure New Zealand and member of MBIE's Building Advisory Panel. Prior to joining Auckland Council, I was managing director of AECOM NZ.

I welcome the opportunity to continue serving the engineering profession as your President in 2018/19. The last 12 months as Deputy President have been fascinating and reminded me again of the critical role we have in the creating and building of New Zealand. I'm passionate about engineers standing up and speaking out on issues that matter. This governance role provides an opportunity to influence outcomes at a national level and continue the attraction of talent into this wonderful profession.

### DEPUTY PRESIDENT



**Holland, Ben**  
FEngNZ

I'm an experienced civil engineer who is proud of the difference our profession makes to the everyday life of New Zealanders. For the past 20 years I've worked for Opus (now WSP Opus), mainly in New Zealand, and my current role is General Manager, Commercial and Major Projects. Prior to that I worked with Mott MacDonald for five years in the United Kingdom.

I'm a Fellow of Engineering New Zealand and joined the Board in 2012, where I currently sit as Vice President. I have served on various committees including Audit and Risk, Competence Assessment, the Engineering Heritage Board and some Engineering New Zealand project steering committees. I became a practice area assessor in 2015, and I'm on the Open Polytechnic Engineering Advisory Committee and several industry award committees.

As a Board member, my focus has been on driving a more inclusive organisation by appealing to a wider group of engineering professionals and disciplines. This allows Engineering New Zealand to represent a broader slice of the industry and hence bring a louder and more forceful voice. I also encourage people into the profession – most recently at the Wellington Engineer Your Career event. I enjoy representing Engineering New Zealand and all it means to be an engineer in the 21st century.

## VICE PRESIDENT



**Crampton, Colin**  
FEngNZ

I am currently the Chief Executive of Wellington Water. Prior to my current role I lead a team who operated and managed the New Zealand State Highway Network.

I am a big supporter of the new direction of Engineering New Zealand. I think the engineering profession does some amazing things; things that are essential for the ongoing prosperity of Kiwis and the communities we live in. I like the way Engineering New Zealand is promoting the outcomes we collectively deliver as a sector. By making it clear what our customers receive from our toils, we will be appreciated more, as will the interesting challenges we deal with every day.

I would bring energy and a “results focus” to the Board of Engineering New Zealand. As a Chief Executive, I think I can provide the thought leadership the sector needs, and provide the right governance support to achieve an efficiently run organisation.

# WHO CAN YOU VOTE FOR?

27 members have been nominated to fill the two vacant roles on the Engineering New Zealand Board.

You can cast a maximum of two votes. The two highest polling candidates will be elected for three-year terms.

## CANDIDATES FOR BOARD MEMBER



[Blom, Carron](#)



[Cornelius, Glen](#)



[Flay, Richard](#)



[Hunt, Andrew](#)



[Potter, Robert](#)



[Bowkett, Harry](#)



[Cotter Tait, Sina](#)



[French, Simone](#)



[Kennett, Daniel](#)



[Robertson, Murray](#)



[Bridgman, Donna](#)



[Day, Tim](#)



[Gibbons, Richard](#)



[Khar, Veer](#)



[Shukhmin, Konstantin](#)



[Brierley, Dave](#)



[Ducharme, Brandon](#)



[Halder, Avik](#)



[Milloy, Sophie](#)



[Cameron, Iain](#)



[Farquhar, Geoffrey](#)



[Hare, Alexandra](#)



[Paterson, Phil](#)



[Catton, Philip](#)



[Fisher, Tim](#)



[Higgs, Andrew](#)



[Piraccini, Andrew](#)



**Blom, Carron**  
FEngNZ

FEngNZ, PhD, MSc(Hons), BSc, AAMINZ, MRMLA, MRSNZ, MWNZ

Engineering is a superb means of supporting and contributing to positive societal aspirations; never more so than as we face a future of rapid transformation and 'disruption'. I would value the opportunity to contribute to Engineering New Zealand as it shapes itself to respond to this challenge.

I am the Director/owner of Anguillid Consulting, and concurrently completed a PhD (Strategic intent and the management of infrastructure systems) plus a part-time term as Deputy Commissioner of the Environment Court of New Zealand. Previously I was a Technical Director of a large engineering consultancy.

My involvement in Engineering New Zealand spans many years, taking the alternative route of Technical Member through to Fellow (2012). In 2005, I was awarded the title Young Engineer of the Year. I have been involved in awards judging since 2001 (Environmental, NZEE Practice/Individual, Arthur Mead, Turner) including stints as convener. I have been a member of the Standing Committee on Sustainability/New Zealand Society for Sustainability in Engineering and Science, and sat on several investigating/disciplinary matters for the Institution. I was a board member of Water New Zealand, and am an active industry mentor (including First Foundation).



**Bowkett, Harry**  
CMEngNZ

I'm a civil engineer working in Hamilton. I've been working for 28 years both in construction and consultancy, with the last seven years in land development – subdivisions; resource, land use and building consents; three-waters, geotech, traffic and minor structural design. I have been CPEng for about 20 of those.

I have been on the Waikato/BoP committee for seven years, and secretary for five. Last year I represented Wai/BoP at the Forum and AGM in 2017.

I think we need to improve the process in consenting. At Forum this was a common issue for every region. I see a positive step is to promote Engineering New Zealand and our goal of competent engineers, making competent decisions. This will speed up the process and reduce those timeframes resulting in economic and sound engineering outcomes. I think we need involve the new Ministers involved in Development and MBIE. I can see benefit in combining the REA, CPEng, and Licenced BP Acts all into one. An ideal too, would be the experienced Chartered Engineer alongside Council's CEO guiding to sound engineering and economic outcomes.

I am also a listener. I believe I am reflective of our members, and what we want to happen to make things better for us and our clients. Perhaps too there is something you need changed for the better?



**Bridgman, Donna**  
CMEngNZ

BE, CMEngNZ, CPEng, Int(PE)NZ, PMP, MBCI, MInstD

I'm GHD's South Island Regional Manager, responsible for professional services provided by Christchurch and Dunedin operations. General responsibilities include operational management and governance oversight.

I am a Chartered engineer (electrical, business), a certified Project Management Professional (PMP) and Business Continuity Practitioner (MBCI, UK). I'm a member of the Institute of Directors, GHD's New Zealand Governance Board, the Global Technical Services Leadership Group, New Zealand's Risk Advisory Group and Diversity & Inclusion Committee.

My 25 year career has spanned Australasia, the United Kingdom and Europe, working in the commercial, banking, high technology, telecommunications and industrial infrastructure sectors, leading and influencing a variety of multi-disciplinary projects for local and multi-national clients.

Another current role includes advocating the importance of technical leadership across GHD's Technical Services portfolio in New Zealand, Chile and the Philippines, as APAC Coordinator. I am responsible for connecting 900+ engineering staff across 45 technical service lines – developing strategic frameworks, providing guidance and advisory with respect to technical development, technology applications and client-centred solutions.

In 2017 I was a Finalist, 'Professional Woman of the Year' category, in the NAWIC Excellence Awards.

I am passionate about engineering technical services, building strong capability and a sustainable pipeline of talent to succeed in our fast changing, globalised, highly connected world.



**Brierley, Dave**  
CMEngNZ

A civil engineer with 30+ years industry experience on major road, rail and airport projects in New Zealand and overseas, I am currently involved with the City Rail Link project, constructing twin 3.5km long rail tunnels and two underground stations beneath Auckland's city centre.

I have been an active member of Engineering New Zealand, formerly IPENZ, for nearly 20 years and I am past Chair of the Canterbury Branch, a Lead and Practice Area Assessor, Engineering New Zealand registered Mentor, and member of the Transportation Group. I am also a member of the Institute of Directors in New Zealand, with leadership competencies in governance, strategy and business acumen.

I am a firm believer that credibility, through trusted and connected relationships, is key to the ongoing success of the engineering profession. My peers describe me as an authentic, enthusiastic and energetic engineer, and I have a passion for delivering our vision to engineer better lives for New Zealanders, and our mission to bring engineering to life.

I welcome the opportunity to bring my expertise to the Board, to help us become more relevant, more modern and more appealing, both to the membership and to society at large.



**Cameron, Iain**  
CMEngNZ

I am currently Design Quality Assurance Lead with Napier City Council, tasked with supervising and reviewing the design process and updating procedures to ensure that best modern practice is followed. I am also responsible for training and mentoring of the design team as well as supplying leadership, counselling and support to the Design and Project Management Team Leads.

I have over 40 years of international experience in civil engineering and project management, with an extensive range of large-scale projects for both public and private clients in New Zealand, the Middle East and Europe.

I have directed multi-national professional teams in design and construction of major rail, highways and transportation projects.

At various times I have been engaged as a lecturer in civil engineering at both Falkirk and Motherwell Colleges in Scotland. I have also been involved setting up mentoring schemes for a number of workplaces.

Civil engineering is a wonderful profession and I can genuinely say that it has been a pleasure and a privilege working in some fantastic locations, on some truly amazing projects with many remarkable people. I now feel that helping to further the careers of young aspiring engineers would be akin to giving something back.



**Catton, Philip**  
Emerging Professional Member

I am: secondly, an emerging professional Civil Engineer, and firstly, a Philosopher. I was a doctoral Commonwealth Scholar to Canada, 20 years a University of Canterbury philosophy academic, then UC BE(Hons) student, and thereafter for two-years-and-counting, an engineer. At UC I instigated, coordinated and thickly supported, by teaching and supervision and research, interdisciplinary programmes in History and Philosophy of Science and also Mathematics and Philosophy. I researched the commonalities and the contrasts not only between Mātauranga Māori and natural science but also between being a tohunga versus a philosopher versus a scientist versus an engineer. I am an ethicist. I have lately donned high-vis and steel-caps, and rejoiced at being 'bro' with Wellington City Council, and later NZDF FM-contractor, Māori workers. I brim with concern for the question of how, in our officially bicultural nation, participation of Māori in engineering can be improved. In my present engineering work, I confront risk/resilience/sustainability issues surrounding a diverse, NZDF property portfolio that is important for the public good. I engage with diverse engineering professionals. By Board membership I would seek to broaden Engineering New Zealand considerations. I am motivated also to accelerate (in a remaining career decade or two!) my own reflective figuring out of "bringing engineering to life".





**Cornelius, Glen**  
FEngNZ

I'm a Chartered Professional Engineer, Fellow of Engineering New Zealand and a Chartered Director.

I'm also the Managing Director of Harrison Grierson, employing people across nine New Zealand offices, with ultimate responsibility for the company's operation and performance. Over the last six years I've completely transformed the business, championing leadership, technology and diversification.

My passion is engineering. Creating a better environment and helping to make the world a better place to live are my key drivers. I proudly led Engineering New Zealand's 2017 Week of Engineering in Auckland, showcasing our world and engaging with the next generation of engineers.

To the Engineering New Zealand Board, I would bring energy, passion and fresh thinking, underpinned by a deep understanding of commercial and professional issues, and the importance of good governance. As an experienced director, I take a strategic view while understanding key operational matters. I also listen, challenge constructively and establish consensus, recognising the benefits of a diverse board.

Outside Harrison Grierson, I'm a board member of Habitat for Humanity in Christchurch (a not-for-profit organisation working in partnership with families in housing need). Being part of Habitat reminds me every day about the important work engineers do helping to shape a better future for people.



**Cotter Tait, Sina**  
CMEngNZ

Tena koutou. I'm a director of a small startup and a practicing civil engineer. Over the last 16 years I've held roles as a civil/infrastructure engineer, project director, design manager and client relationship manager working for large and small firms, and local government. Outside paid work I'm completing a PhD in public sector procurement, serving as a school board trustee and an intern director with Christchurch EcoCentral Ltd.

For Engineering New Zealand to stay relevant and valued for our members, we need to be vocal and impactful in public policy, demonstrate responsible public leadership and advocacy, and focus on the future of work – particularly harnessing talent at both ends of the pipeline: our young future engineers, and our most experienced, knowledgeable members.

The challenges our industry is facing demand excellent governance: robust challenge, fresh thinking, nous and responsibility. What I don't do is risk-averse, compliance-driven behaviour. As a younger practicing engineer, working parent, and a student I'll bring a current, different perspective to Engineering New Zealand's table focussed on energy, adaptation and leadership. As an experienced director, manager and business operator I also contribute commercial skills in strategy, marketing, public sector procurement and professional governance.



**Day, Tim**  
CMEngNZ

Currently I am a Structural Engineer based in Christchurch with a Bachelor of Engineering from the University of Canterbury and a Master of Business Administration from Massey University. Prior to this I served in the RNZAF.

Much of my engineering career has been spent on structural design, assessments of structures damaged by natural elements and impact forces, as well as managerial positions. Following the Canterbury earthquakes, I was engaged as the Chief Engineer of the residential home repair programme, where I led a team of 60 engineering and technical support staff over a two-year period. I am currently the director of Viden Consulting Engineers, where I continue to provide structural engineering services and independent technical advice to Crown and commercial clients.

I believe in open and honest sharing of knowledge and experiences and would also like to play a role in the continuous advancement of the engineering profession in society.

I have been a member of Engineering New Zealand since graduation and became a Practice Area Assessor in 2013. I also provide mentorship for those applying. I am the member of three other technical societies as well as a member of the Institute of Directors New Zealand.



**Ducharme, Brandon**  
CMEngNZ

I am honoured to be nominated and excited to represent the engineering community as a member of the Board. The pillars upon which I aspire to drive change in Engineering New Zealand as an energetic and motivated leader are focused around how we as an association can strengthen the profession and continue to protect the public in our professional practice.

I am an experienced engineering project manager from Canada living in Queenstown and working with Opus International Consultants Ltd with a vision to build New Zealand's infrastructure and engineering association toward a sustainable future.

I am an energetic and experienced leader and previously served as the President of the Waterstone Pier Strata (BCS 1965) Council on a volunteer basis, serving over 140 riverfront resident units in a three-building apartment complex located in the beautiful Riverport Community of Richmond BC, a suburb of Vancouver, Canada.

As an experienced and strategic leader and seasoned engineering professional, I care to see Engineering New Zealand grow by the work of my hands to its full potential to best represent our members in the public and to empower and foster a world-class engineering licensure and professional body.

I welcome and encourage you to browse my LinkedIn for further details on my professional background: [www.linkedin.com/in/brancouver](https://www.linkedin.com/in/brancouver)



**Farquhar, Geoffrey**  
FEngNZ

BE, BD, MSc (Lon), DIC, FEngNZ, CPEng, IntPE(NZ), FICE, CEng(UK)

As an existing board member of five years, I am delighted to be re-standing for election.

Over the past five years, I have focussed on developing and delivering a strategy that strengthens our brand, public face, profile and role in society. During this time, the institute has seen an improvement in member engagement, a stronger public profile and a new membership pathway. I feel passionate about being given the opportunity to continue to develop this and be accountable for the outcome.

As a re-elected board member, I will also bring continuity and knowledge of the decision making, and a good understanding of the many facets of the institute and issues facing our varied and changing members.

Technically, I bring an understanding of professional recognition and registration, having served six years on the Competency Assessment Board and as a lead assessor. As a Principal Engineer (Dams & Geotechnical) with GHD, and over 39 years of experience in consulting engineering in New Zealand and overseas, I also understand the issues currently confronting members. I am active in the New Zealand Geotechnical Society (life member), New Zealand Society for Earthquake Engineering and New Zealand Society on Large Dams.



**Fisher, Tim**  
FEngNZ

PhD, ME(Dist), BE (Hons), DipMEEC, FEngNZ

For the past three years, I have been privileged to be Chair of the Auckland Branch of Engineering New Zealand. I am now standing for the Board to continue to support and improve Engineering New Zealand.

While I was leading the Auckland Branch, we delivered a high quality programme of 30+ diverse events per year to our members. The role has given me an in-depth understanding of member issues and national office operations, and showed me the dedication of all of our engineers through their volunteer efforts and professionalism.

I have held governance roles on Tonkin + Taylor's boards and am part of T+T's Executive Leadership Team, which drives the business and develops future-focussed strategies. I am a Fellow of Engineering New Zealand for my service to the profession, industry leadership and technical excellence in water engineering. I have 20+ years' experience in water engineering and hold a BE and an ME in Civil Engineering (Canterbury), a PhD in Fluid Mechanics (University of British Columbia) and Diploma in Engineering Management.

I applaud the positive changes at Engineering New Zealand, and believe that I can further help the organisation to better connect with, and support, the wider membership.



**Flay, Richard**  
FEngNZ

I am Professor of Mechanical Engineering at the University of Auckland (since 2000). My main teaching areas are fluid mechanics, thermodynamics, design, wind and yacht engineering. My research interests are focused on wind and yacht engineering. A highlight was my design of the world's first twisted flow wind tunnel used by Team New Zealand to help it win the 1995 America's Cup. Recently I designed a large wind tunnel for Engineering that was used to measure the drag of the Cyclors on ETNZ's 2017 winning America's Cup catamaran.

I am President of the Royal Institution of Naval Architects (NZ) Division (since 2016) and Council member since 2009. I am Director of the Yacht Research Unit (since 2007). I chaired the successful 9<sup>th</sup> Asia-Pacific Conference on Wind Engineering 3-7/12/2017, held in Auckland. Previously I have been on the boards of NZWEA and the International Association for Wind Engineering, and a committee member of the Mechanical Engineering Group.

I have published about 100 peer-reviewed journal and 120 conference papers, and written about 350 consultancy reports.

I am FEngNZ, FIMechE, FRINA, and MASME.

I can bring a wealth of experience to the Board from my long career in engineering education, research and consultancy.



**French, Simone**  
CMEngNZ

#### **Relevance**

I am a Project Director at Holmes Consulting, with 17 years industry experience as a structural engineer. I would be a relevant representative of the industry — people who have much to offer, but a group that is perhaps not well represented at Engineering New Zealand Board level. As a practising engineer, I can understand and anticipate when strategies may prove challenging to implement in practice.

#### **H&S and H&SiD**

I have strong working knowledge of current health and safety legislation, and how this affects Engineering New Zealand members. I am an expert in health and safety in design—an emerging area that will be of vital and increasing importance to all Engineering New Zealand members going forward.

#### **Diversity**

I understand the challenges women face growing their careers in engineering, and am strongly committed to improving opportunities for women in the industry.

#### **Technology**

I am adept in new technology sweeping through our industry, and closely follow the emerging technologies that are re-defining our industry.

#### **Challenge and inspiration**

I'm always willing to speak up for the industry and its people, and will challenge the status quo where necessary. I am a passionate and consistent industry advocate; above all, I love engineering.



**Gibbons, Richard**  
FEngNZ

I offer governance, management and engineering expertise to the Board.

I have 45+ years of experience covering engineering, management and governance. My specialisation is the electrical power industry, however various executive roles have exposed me to other disciplines including civil, structural/seismic, mechanical, building services, corrosion/protection, and energy efficiency. Experience includes HR, logistics, transport and property.

I am currently Director and Principal Engineer at LTH Ltd. My previous roles include CEO & MD for LTH Ltd (formerly LineTech Consulting), GM Power - United Group NZ, GM Network-Mercury, AGM Engineering (aka. Chief Engineer) AEPB.

I hold various qualifications/memberships including BSc (Hons) (Electrical & Electronic) City University, London; Certificate Power System Protection Certificate (UK); Diploma in Business & Administration, Massey University; Graduate NZ College of Management; Certificate in Company Direction, IoD NZ (Inc); Fellow, Engineering New Zealand; Fellow IET & Chartered Engineer (UK); Fellow Institute of Management NZ; Chartered Member Institute of Directors, NZ; and Past President/Life Member Electricity Engineers Association NZ (Inc).

My roles at Engineering New Zealand have included Chair – Continuing Education Committee; Member – Education Committee; and Member – Engineering Practice Board.

Other related roles have included Director Standards NZ; Founding Director ESITO; Auckland University - Dept of Electrical and Computing Engineering Member Departmental Advisory panel; and Member Governmental Interagency committee on EMF and Health.



**Halder, Avik**  
CMEngNZ

Becoming an engineer and belonging to a professional body that advocates for the value engineering brings to society has always been fulfilling. I have aspired throughout my career, in New Zealand and overseas, to help build a better world.

With our changing world, we need continue to raise the profile of our industry and the role of engineers. Society needs a profession of qualified engineers to lead and shape our future.

Based in Nelson with Stantec, I am a Chartered civil engineer and the office manager. Nationally, I am the Technical Development Leader for Stantec's NZ Water sector.

I have served on the local Engineering New Zealand branch for over five years, the last three as Chair. I am also on Engineering New Zealand's advisory committee for Professional Development.

Additionally, I've been Regional Chair for ACENZ, on the advisory committee for the Nelson Marlborough Institute of Technology's Diploma of Civil Engineering, and a Schools Ambassador for the ICE in the UK.

If selected to join the Board, I would like to focus my skills and experience toward raising the profile of our profession, particularly among our younger generation considering career options. I would also hope to encourage those starting engineering to seek continuous professional development and mentoring.



**Hare, Alexandra**

Affiliate Member

Recently completing a dual Atlantic Ocean race, raising funds for UNICEF, 50 days at sea with 18 crew, showcases my ability to achieving a significant goal under tough conditions. I lead by example, understanding the benefits of achieving outside of work and volunteering in our community, in order to contribute meaningfully to our engineering world.

It is my desire to represent our industry in a way that adds immense value to Aotearoa.

I understand the needs of youth members, as a younger leader myself, aiming to mirror the diversity we have in current and potential membership.

I am passionate about practical wellbeing initiatives for our industry that help sustain our talented professionals throughout their career.

As a scientist, and with over a decade in engineering leadership roles, I bring a fresh perspective on the interrelationship between science and engineering.

Currently leading the water and environmental engineering and scientific team WSP Opus Wellington, my career has spanned work within local government, the geothermal, oil, gas, rural and water sectors through Australia, New Zealand, PNG and the Middle East.

I am energetic and committed to working with Engineering New Zealand board of leaders to take our brand to the next level.



**Higgs, Andrew**

CMEngNZ

My family and I arrived from the United Kingdom in 2008 and have made New Zealand our home, committing to citizenship in 2015.

Currently working as a senior manager in Local Government, I have the foundation of a wide ranging civil engineering career spanning many different professional subject areas across 37 years. Alongside high-level engineering and management responsibilities, I have acted as a subject matter expert in several complex technical areas and represented the UK Ministry of Defence on international projects and technical standards advisory boards.

I hold Chartered Membership of Engineering New Zealand, achieving CPEng status in 2016. I remain a Member of the Institution of Civil Engineers and retain the status of Chartered Engineer in the UK. Additionally, I am a member of the Institute of Directors, the Institute of Management and the Project Management Institute.

I believe I can contribute positively to the Engineering New Zealand Board, helping to build credibility and influence for the professional body. My strategic skills, knowledge and background will help to elevate public confidence alongside Government recognition and influence. Going forward, as a profession, we need to proactively engage with society, encouraging wider membership and influence by providing varied membership routes and publicly acknowledged status.



**Hunt, Andrew**  
FEngNZ

My qualifications are ME(Dist), CPEng, FEngNZ, FCILT.

I am a senior mechanical engineer in the rail industry with experience across technical, operating and commercial environments in mechanical and infrastructure fields. My experience includes design, construction, operations, maintenance, accident investigation and standard setting. I was inaugural chair of the New Zealand Chapter of the Railway Technical Society of Australasia (RTSA), (2007-2011) and a committee member until 2016. I am active with the conferences working group, which I chaired 2012-2016. Previously, I have served on the Mechanical Engineering Group committee and Chartered Institute of Logistics & Transport Central Section committee.

As an Engineering New Zealand board member I would promote:

- Strategies to develop Engineering New Zealand as an essential resource for professional engineers across the full range of engineering disciplines.
- Engineering New Zealand leadership of best practice in governance of engineering activities, including within organisations where engineering isn't the primary focus.
- Broadening the scope of any CPEng replacement (e.g. proposed occupational licensing) to provide solutions for all safety-critical practice areas — not just construction-sector activities. I spoke to this at IPENZ 2017 AGM and support the broader Engineering New Zealand stance adopted since, but I am convinced that there is still much work for Engineering New Zealand to do in this area.



**Kennett, Daniel**  
CMEngNZ

I am standing because I am passionate about our profession and I want to help set the direction that we take into the future. I'm excited by what the future holds for engineering across all disciplines. I believe we have a real opportunity to better promote to the public, government and importantly to future members of the profession, what we contribute to society.

I'm a structural engineer with experience across a range of projects from both a consulting and a contracting perspective, here and in Australia. I'm currently the National Design Manager Civil for Fulton Hogan and am engaged nationally on some exciting infrastructure projects. In 2016 I returned to New Zealand having spent nine years working in Australia. For several years I contributed to Engineers Australia through involvement with local groups, including in a chair position during which time we focussed on increasing member engagement in regional areas. I believe that this experience has prepared me well for this opportunity.

In addition, I'm a member of Toastmasters International and have developed a real interest in communication. I believe the skills gained through Toastmasters will hold me in good stead to serve our profession well as a board member.



**Khar, Veer**

CMEngNZ (Engineering Technologist)

As a civil engineer, I started in 1985 with National Hydropower India (in alliance with SNC/ACRES of Canada). After immigrating to New Zealand in 1998, I have been with horizons.mw (Palmerston North) and Manukau Water before taking the current role in development engineering (Auckland Council).

In addition to BE(civil), I have studied management and computer programming.

I have been part of a major shift in technology change (hydropower - India) and organisational changes in Auckland local government. I have lead engineering teams through these changes and been part of the effort of bringing consistency across the amalgamated Auckland Council. I am very conscious of the positive change in the leadership role for engineers in the local government sector (particularly in Auckland Council) and I see an opportunity for collaboration between Engineering New Zealand and the local government sector in general.

I am currently a board member of Film and Video labelling body of New Zealand and on the community engagement front, I am the Project Chair of the Diversity Centre in South Auckland. I have also completed my Masters in Human Rights and International Relations (Auckland University – 2009-11) to gain understanding of the wider world dynamics.



**Milloy, Sophie**

MEngNZ

I'm a passionate and driven engineer with proven ability to motivate people. I have a MSc(Hons), more than five years' experience in the geothermal industry, consulting experience in solar PV, and am currently a Safety and Risk Engineer at WorleyParsons.

As a Futureintech ambassador for a number of years, I love engaging with young people, especially women, about careers in STEM.

I'm currently Secretariat for the global arm of Women in Geothermal (WING), promoting education, professional development and advancement of women. I've been instrumental in the strategic growth of WING, exemplified by increasing membership from 80 to ~1000 members (men and women) representing 40 countries. WING's achievements are significant and too long to list, but I look forward to sharing them with Engineering New Zealand.

Experience gained through working inside a growing renewable energy sector, for a recognised global industry market leader, coupled with insights and active participation in developing the engineering leaders (especially women) for the future ensures that I will provide a point of difference to the existing Board. I will add value by future-proofing the strategic direction, supporting a more diverse and inclusive organisation.

I'm well-connected, motivated, and will offer well-informed, considered opinions. I look forward to contributing to Engineering New Zealand's success.





**Paterson, Phil**  
CMEngNZ

I am a Chartered Professional Engineer and Director at Powell Fenwick, with specific expertise in dealing with commercial and industrial buildings. I have nearly 20 years of structural engineering experience in both New Zealand and Australia. I hold the following qualifications and affiliations; BE (Hons), CPEng (NZ), CPENg (Aust), CMEngNZ and MIEAust.

I am on the Board of Powell Fenwick, which has a staff of nearly 100. I am also a Practice Area Assessor for Engineering New Zealand and conduct the technical assessments of other structural engineers when they first apply, or are required to renew, their Chartered Professional Engineer status.

I believe I have the necessary experience to act as a Board Member for Engineering New Zealand 2018/19. I have been a Director and owner of Powell Fenwick since 2011 and have extensive experience, along with a wide technical knowledge, from working on a vast variety of projects. I am a dedicated, hardworking and passionate director and engineer and would take pride in being awarded the opportunity to help support and promote Engineering New Zealand.



**Piraccini, Andrew**  
CMEngNZ

FIEAust, CPEng (Aust), NER, APEC Engineer, IntPE(Aus), CPEng, CMEng

I have a Doctorate in Engineering Science with a Masters in Structural and Mechanical Engineering. I am committed to ensuring New Zealand has access to the latest sustainable, new engineering technologies. I am a Fellow with Engineers Australia and have APEC registration and New Zealand Chartered status. I am standing for the Engineering New Zealand board to support Engineering New Zealand in delivering new engineering practices to benefit the membership and ensure continual improvement in engineering standards and quality. I believe New Zealand has the opportunity to lead the way in engineering standards and practice in the southern hemisphere and have strong technical, business and leadership experience to complement the skillset of the board.

Current role: Engineering Manager, Babbage Consultants Limited, New Zealand:  
January 2018 to present

Current: Engineering New Zealand Assessor

Current: High Risk Author status for the Auckland Council Producer Statement Author register for Façade Engineering Design across all producer statement types

Previous work history:

- Senior Structural Engineer, Metro Performance Glass, New Zealand: 2016 to January 2018
- Engineering Director, BMW Architecture, Australia and Asia: 2008 – 2016
- Technical Engineering Director, BMW Architecture, Germany: 2005 – 2008
- Structural Engineer, Signa Holding Asia: 1999 – 2005
- Area Manager for Structural Project Development, ALDI Group: 1995 – 1999



**Potter, Robert**  
CMEngNZ

I am a Chartered Member of Engineering New Zealand with significant global experience in design and construction management.

I am presently a Project Engineer with Downer NZ, and my experience spans the successful completion of large projects in Dubai, Australasia and remote Pacific Islands that required creative problem solving and managing local workforces. Undertaking ambitious and challenging construction projects excites me – some of my past projects include runway construction in Tuvalu for the World Bank, major infrastructure builds in American Samoa, and emergency road works following the 7.8 Kaikoura earthquake.

I am excited to run for the Board to enhance Engineering New Zealand governance by incorporating the perspectives of 1) younger engineers, and 2) the construction industry – both of which are currently under-represented at a Board-level.

I am passionate about the next generation of engineers having support and guidance, with best practice project management tools and ensuring that the challenges of the construction industry are addressed via modern technology as well whilst meeting governance.

I can positively contribute to the Board due to my global engineering expertise, as well as my experience of managing foreign workforces, mentoring of young engineers and technical understanding of the construction industry. I presently serve on the Board of the Downer National Graduate Development Group.

My wife and I enjoy travelling in our spare time, and have journeyed to all seven continents of the globe.



**Robertson, Murray**  
CMEngNZ

In my role as Downer's GM Transport Technology I am responsible for the importation and manufacturing of bituminous products, technical development and R&D, strategic planning and the development of smart transport solutions. As a Chartered engineer I am passionate about developing the profession and supporting individuals and industry to make positive change and to think differently about how we engineer the future. I bring, to the Engineering New Zealand Board, a fresh perspective where I challenge the status quo and explore ways to develop this professional body. I am a member of the Institute of Directors and a director for Emulco Limited. My experience is in civil construction contracting, intelligent transport systems, manufacturing and technical, partnering, technology development, and business development.



**Shukhmin, Konstantin**

MEngNZ

Currently I am a Senior Academic Staff Member at Toi Ohomai Institute of Technology (former Bay of Plenty Polytechnic) delivering NZDE Electrical courses.

Previously I worked for Webster Group (generators) as a service person, Wilson and Horton as a technical manager at Security Print division, Invensys Controls (part of Robershaw Controls) as a design engineer, Fisher & Paykel Appliances as a product development engineer, and my own engineering contracting business.

Author and co-author of several patents.

Currently participating in research programmes dedicated to engineering education.

Member of Engineering New Zealand, IEEE and AAEE.

Member of Quality Assurance and Management Committee of NZBED of Engineering New Zealand.



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