

## President's Message



### Meeting the community

I have been in this Presidential role for nearly three months now. It has certainly been a busy time. Among other things, I have started the process of visiting all the Branches. Last month I visited Northland, Auckland and Waikato over a period of three days.

I enjoyed the opportunity to meet our Members and Fellows in northern parts of the country. The

well-attended black-tie dinner at the Viaduct Basin was a tribute to the Auckland Branch's organisation. It was a great opportunity for me as President to get my message out to a large number and range of engineers. In Whangarei and Hamilton, I became aware of the role that small/medium-sized Branches play in the communication between Members and IPENZ.

Just prior to these visits I attended and chaired sessions at the 2007 Forum held from 4–5 May in Wellington. The Chair or a representative from all but two Branches attended, and there were a good number of attendees from the Technical and Special Interest Groups (TIGs and SIGs) and a few from the Collaborating Technical Societies (CTSs).

The Forum, apart from being the principal face-to-face communication channel between IPENZ National Office and the various Groups, is also the start of the annual strategic planning round for IPENZ. It was divided into three distinct sections. The first dealt with operational matters, the second with strategic matters for IPENZ and the third with engineering practice.

Issues, proposals and ideas were put on the table, or more specifically the whiteboard, by IPENZ Board Members and staff as well as attendees. After brainstorming, discussion and summary, the views of those present were distilled and confirmed, and then presented to the Board late on Saturday afternoon. For those who are interested, a detailed record of the Forum is available from National Office. There were a couple of interesting outputs from the second session. First, the worth of this publication (*engineering dimension*) was challenged as part of the communication effort between National Office and Members, and second, the relevance of Convention to the profession in its present form was again questioned!

These matters and other outputs from the Forum were discussed at the governing Board's retreat from 27–28 May. At this retreat, the Board reviewed the current strategic plan with particular emphasis on the first three years and moving the planning process forward one year. This provides, among other things, input to the budget process for the coming year. See page three for a summary of the Forum and retreat outcomes.

On another note, last month I referred to an advertisement from a company called Gen-i which was less than complimentary about the role of engineers in our society. In the electronic version of the advertisement it was suggested that Gen-i and not engineers would apply technology to solve the described problem. This month it appears Gen-i has released another in that series of ads. This one

depicts a seven-year-old child solving a problem that apparently had left engineers baffled. After seeing the first ad, the Chair of the Hawkes Bay Branch formally registered the Branch's concern with Gen-i's Chief Executive. After the second ad, IPENZ's Chief Executive also voiced his concern. Gen-i employs more than a few professional engineers, and I'm pleased to advise that the company has acknowledged the inappropriateness of the advertisements and has agreed to pull them from circulation.

The removal of a negative profile of the profession is a good outcome but we still have much to do to build a positive profile. I am aware that our efforts in this regard are completely in tune with IPENZ's current vision for the engineering profession as expressed in the first few lines of our strategic plan: "New Zealand and engineers benefit from a valued and respected engineering community". I see no need to change that vision and indeed hear no views suggesting change.

### Jeff Jones

President

## ETPract and CertETn Registers to Open 1 July 2007

The new Engineering Technology Practitioner and Certified Engineering Technician Registers open to applicants on 1 July 2007. These are governed by the IPENZ Regulations and are open to any person, not just IPENZ Members. This means it will be possible to be registered but not be an IPENZ Member. This recognises the fact that CPEng was made open entry by Parliament, and ensures consistency between registers.

In broad terms, the new regulations mimic the CPEng Rules as closely as possible, and this means that the fees are the same!

The diagram on the next page sets out the way in which competence assessments for the new registers will be organised. This is based on a generalisation of assessments for CPEng, IntPE and MIPENZ. The principles are as follows:

- The applicant decides which registers he or she wishes to apply for (plus a Membership class upgrade if relevant) and supplies a portfolio of evidence.
- An assessment panel is formed, and it decides if there are other relevant registers against which the applicant should be assessed, in the same way CPEng applicants are also assessed for IntPE whether or not this is requested. Note that assessments for the new International Engineering Technologist (IntET) Register will depend on its opening date, which is yet to be set.
- Panels select the competence standards for the assessment process – the professional engineer standard is framed around the ability to resolve complex engineering problems, the engineering technologist standard is framed around the competence to resolve broadly defined engineering problems, and the engineering technician standard is framed around the ability to resolve well-defined engineering problems.
- The assessment proceeds using as many of the four available tools as the panel deems necessary:
  1. review of the submitted portfolio of evidence and any further evidence requested by the panel from the applicant
  2. interactive assessment

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3. written assignment
  4. knowledge assessment (for candidates not holding the exemplifying qualification for each register)
- The panel develops a set of recommendations with respect to the registers applied for and any other registers deemed relevant, which then goes to the Competence Assessment Board for a final decision. Note that prior to the final decision there is a natural justice step that allows a final written submission from the candidate in cases where the panel proposes to decline an application.
  - The decisions on the registers applied for are implemented.
  - The applicant is offered registration on any register deemed relevant and for which he or she has demonstrated competence.
  - Registration occurs and, if relevant, the applicant is promoted to a new IPENZ Membership class and admitted to the IPENZ Practice College (see accompanying article for changes to Practice College regulations on page three).

Although they are not shown in the diagram, there are regulations that govern making and hearing appeals on registration matters. Grounds are limited to a failure to adhere to process, or a decision that is grossly at odds with the facts of the matter.

In order to remain registered and receive annual practising certificates registrants must:

- Pay the annual registration fee.
- Successfully complete reassessment of competence at intervals specified by the Competence Assessment Board (five years or sooner in some cases).
- Perform their engineering activities competently and carefully.
- Act ethically in the course of their engineering activities (assessed against the code of ethics embedded in the Regulations which is in effect Part 3 of the IPENZ Code of Ethics).

The Regulations also set out the disciplinary procedure for a breach of the last two obligations. This is a three-step process, like that already in place for the CPEng and IPENZ Membership regimes:

1. Initial investigation by a Complaint Research Officer to ascertain whether IPENZ has jurisdiction over the matter.
2. Evaluation of the facts of the matter by an Investigating Committee (three peers) to establish whether there is a prima facie case.
3. Hearing of the matter by a Disciplinary Committee with the authority to make orders against the engineer concerned (three peers and two lay people).

Whilst the new registers are open to non-members, the governing Board has indicated that it regards IPENZ Membership as the mark of professional standing, signifying that the engineer has chosen to submit to and contribute to self-regulation of the profession through the professional body.

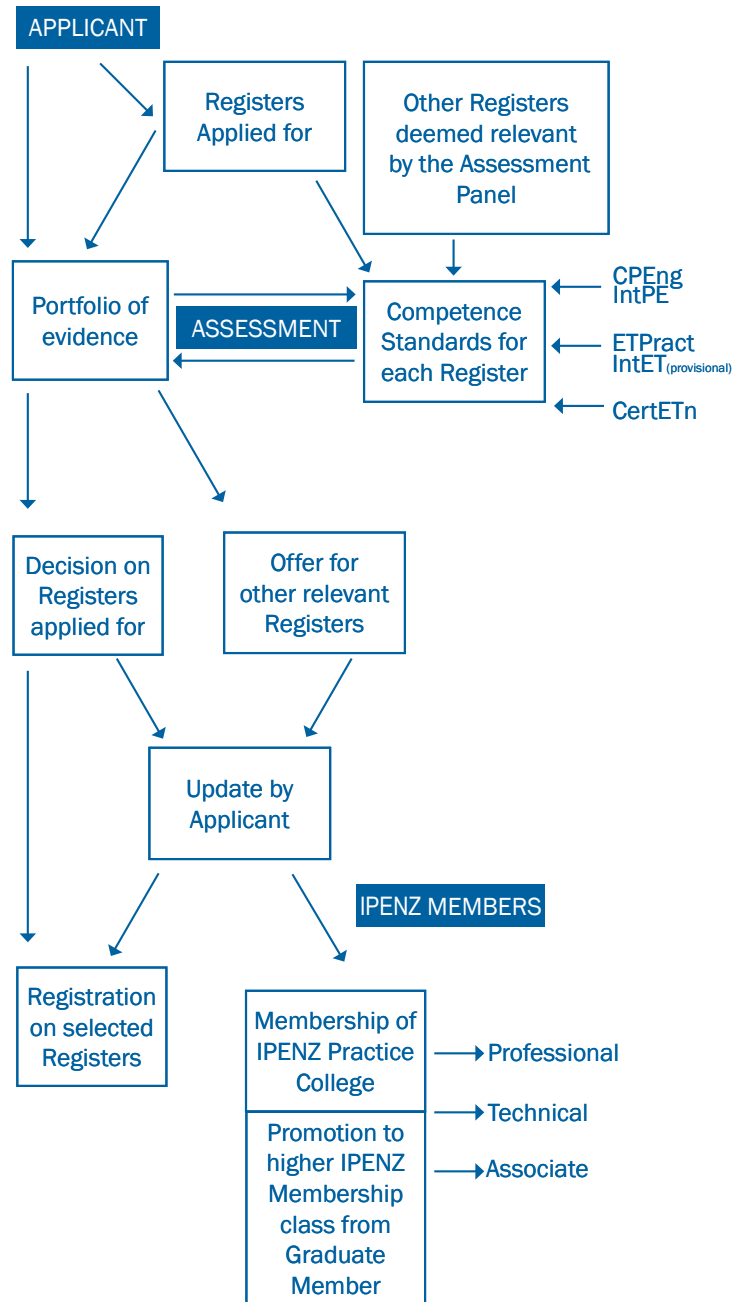
In summary the portfolio of quality marks now available is as follows:

	Exemplifying qualification (defines the level of knowledge required)	Current competence – New Zealand	Current competence – to international benchmark standard	Professional standing
Professional engineer	Washington Accord degree or equivalent – four-year BE	CPEng	IntPE(NZ)	MIPENZ – Professional Member of IPENZ
Engineering technologist	Sydney Accord degree or equivalent – three-year BEngTech	ETPract	IntET(NZ) (launch date yet to be defined)	TIPENZ – Technical Member of IPENZ
Engineering technician	Dublin Accord qualification or equivalent – two-year DipEng	CertETn		AIPENZ – Associate Member of IPENZ

Graduate Members of IPENZ are advised which register and competence-graded Membership they should seek in accordance with their qualification. Note that:

- Persons who do not hold the exemplifying qualification for a particular register will need to demonstrate that they have acquired the knowledge and skills of a person holding the exemplifying qualification.
- Practitioners who have failed to maintain their knowledge and skills through appropriate CPD may find that they cannot prove their competence for the

## INITIAL REGISTRATION PROCESS



register corresponding to their exemplifying qualification, and may be offered registration on a different register instead.

Publication of this summary of the effect of the new regulations meets the requirement in the IPENZ Rules that IPENZ Regulations can only be enacted after publication of a summary in the official journal of the Institution.

For more information and the full IPENZ Regulations visit [www.ipenz.org.nz](http://www.ipenz.org.nz)

# Amendment to the IPENZ Practice College Regulations

## In Brief

From 1 July 2007:

- the “Business” practice field category will be replaced with “Management”
- there will be three classes of Practice College Membership as a consequence of creating the ETPract and CertETn Registers

The IPENZ Practice College was formed on 1 April 2003 to identify those Members who are regarded as currently competent (ie have passed a rigorous competence assessment within the last five years). Until 1 July 2007, the only competence assessments regarded as sufficiently rigorous for this purpose were those leading to CPEng, MIPENZ and IntPE(NZ), for which the essential competence is the ability to resolve complex engineering problems.

From 1 July 2007, equally rigorous competence assessments using different competence standards will be introduced:

- ETPract (Engineering Technologist Practitioner), TIPENZ (Technical Member of IPENZ) and potentially IntET(NZ) (the New Zealand section of the International Engineering Technologist Register) – for which the essential competence is the ability to resolve broadly defined engineering problems.
- CertETn (Certified Engineering Technician) and AIPENZ (Associate Member of IPENZ) – for which the essential competence is the ability to resolve well-defined engineering problems.

At its meeting on 4 May 2007 the governing Board resolved to modify the regulations of the IPENZ Practice College to take into account the potential for two new groups of currently competent Members. This notice summarises the new regulations of the IPENZ Practice College.

The Practice College now has three classes of Membership:

- Professional Membership of the College – currently competent as a professional engineer and a Member of IPENZ – entitled to use the extended postnominal MIPENZ(X,Y) or FIPENZ(X,Y) according to the class of IPENZ

Membership held, where X and Y represent practice fields of proven competence.

- Technical Membership of the College – currently competent as an engineering technologist and a Member of IPENZ – entitled to use the extended postnominal TIPENZ(X,Y), where X and Y represent practice fields of proven competence.
- Associate Membership of the College – currently competent as an engineering technician and a Member of IPENZ – entitled to use the extended postnominal AIPENZ(X,Y), where X and Y represent practice fields of proven competence.

A change will also be made to the practice fields. The previous category Business has been replaced with Management – all those previously using the Business category should change their business cards as soon as possible after 1 July 2007.

The full set of practice fields and approved abbreviations is:

Aeronautical	Bio	Building Services
Chemical (Chem)	Civil	Electrical (Elect)
Environmental (Environ)	Fire	Geotechnical (Geotech)
Industrial (Indust)	Information (Inform)	Management
Mechanical (Mech)	Mining	Petroleum
Structural (Struct)	Transportation	

When a Member passes a competence assessment, the fields within the applicant’s practice area are reviewed by the assessors and they decide which fields are relevant. We emphasise that practice fields are a loose guide to competence and should not be relied upon by regulators.

From 1 July 2007 the Practice College Register on the IPENZ website will be modified to reflect these changes. Members of the Practice College can choose to suppress their listing on the Practice College Register by informing the Registrar, Jeff Wastney on CPeng\_stdts@ipenz.org.nz or phone 04 474 8983.

The full regulations can be viewed at [www.ipenz.org.nz/ipenz/finding](http://www.ipenz.org.nz/ipenz/finding)

## Feedback from 2007 Branch and Technical Group Forum

The purpose of the Forum is to collect feedback from the wider Membership. At a high level, the feedback from the Forum held on 4 and 5 May indicated:

- There is a high-level of satisfaction that IPENZ is operating in a sound manner with a growing Membership and healthy finances, and is using its resources in the ways Members want.
- engenerate is a very worthwhile initiative.
- Further support of Branches and other subsidiary bodies to assist them to operate fully professionally would be appreciated.
- Further consolidation of our brands portfolio in the minds of regulators and

those employing our services, and more active self-regulation would receive wide support.

- An improved “web-face” would be helpful, particularly in assisting competence assessment applications and graduate development of younger Members.
- Activities to further develop the profile of the profession and attract more young people to engineering study are supported.
- There are a number of engineering practice issues that IPENZ, its Technical Interest Groups and Collaborating Technical Societies should tackle in a collaborative manner.

## Board Highlights – 4 May and 28 May

The Board met at the 2007 Forum, and then at its planning session later in the month. The main strategic outcomes were:

- Convention will be discontinued in its present form and replaced by a clustering of the AGM, Fellows’ and Achievers’ Dinner and the Branch and Technical Group Forum, to be held in March each year.
- It was recognised that our short course programme provides Members with many opportunities for technical updating.
- In support of the learned society function of IPENZ, resources will be allocated to provide for collation and indexing of as many New Zealand technical papers as possible on the website – a form of virtual library.
- Collaborating Technical Society agreements with the New Zealand Concrete Society and the Civil Engineering Testing Association of New Zealand were approved.

- Resources to provide for a greater visibility of the profession on national technical issues are to be made available from the 2008–09 budget.
- Further effort will be placed into improving the effectiveness of *engineering dimension* as the conduit of IPENZ and Member news to the full Membership.
- Commitment to self-regulation is to remain the key foundation stone of Membership, but the way in which this is reflected into Technical and Special Interest Groups is to be reviewed and consulted upon.
- A blameless reporting system will be developed for sharing near-miss experiences in engineering practice, and this is to be accompanied by an ethics education and promotional campaign.
- A future subscription-setting policy to match the rate of inflation was agreed, thereby maximising the potential resources available for the above work programmes.

## Schools Update



### Futureintech Visiting Industry Professionals scheme

The recipients of funding for the 2007 Visiting Industry Professionals (VIP) scheme were announced in May. Owing to the strength of the applications, Futureintech is contributing to 11 engagements in the current funding round. This means that the next opportunity to apply will be in March 2008. The VIP scheme encourages tertiary institutions to create links with professionals in fields relevant to their academic courses, ensuring that courses meet the needs of industry. Participants can lecture, mentor students or advise on curriculum formation.

This year's funding has been awarded to:

Lincoln University – Applied Computing Group  
Dr Paul Ashton, Project Leader, Tourplan

University of Otago – Department of Information Science  
Panel: Peter Chappell, Chief Technology Officer, MediaLab NZ Ltd  
Dr Murray Milner, Principal Consultant, Milner Consulting Ltd

Dr Malcolm Shore, Technology Strategist, Telecom  
Prasan De Silva, Enterprise Architect, Mobile, Telecom

University of Canterbury – Chemical and Process Engineering  
Dr Max Kennedy, General Manager, Meat Biologics Research Ltd

University of Auckland – Department of Civil and Environmental Engineering  
Dr Alastair Barnett, Managing Director, Hydra Software Ltd

Massey University – Institute of Technology and Engineering  
Keith Colson, Software Manager, NextWindow Ltd

University of Waikato School of Engineering  
Tony Carnovale, Technical Services Manager, Schneider Australia

University of Waikato – School of Engineering/School of Science and Engineering  
Kang Lee, Leader of the Sensor Development and Applications Group, National Institute of Standards and Technology, USA

University of Waikato – School of Engineering  
Paul Bosauder, Senior Analyst, Matrix Applied Computing Ltd

University of Canterbury – Department of Civil Engineering  
Warwick Banks, Technical Manager, CHH

University of Canterbury – Department of Civil Engineering  
Peter Callander, Director, Pattle Delamore Partners Ltd  
Fiona Cox, Senior Engineer, Pattle Delamore Partners Ltd

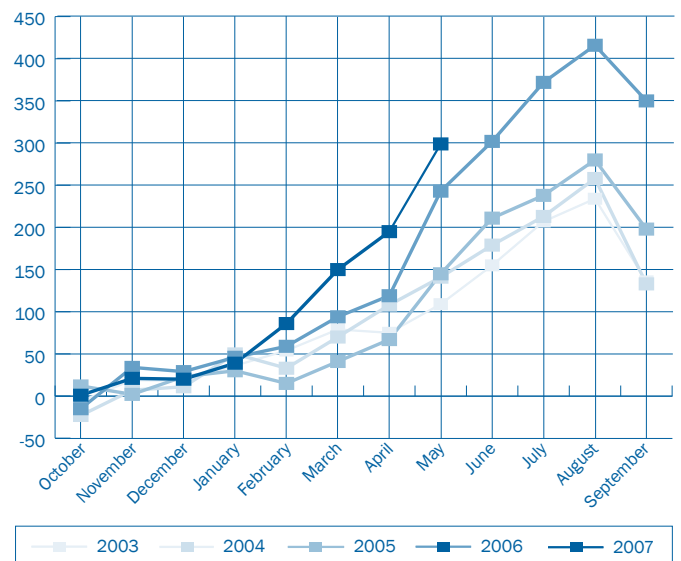
University of Canterbury – Department of Civil Engineering  
Martin Wootton, Senior Fire Engineer, Beca Fire International

## Membership Summary

IPENZ Membership Statistics for Period Ending 31 May 2007

	1 Oct 2006	31 May 2007
Distinguished Fellow	36	43
Fellow	675	678
Professional	4,503	4,533
Technical	122	128
Associate	230	227
Graduate	2,301	2,537
Affiliate	148	161
Companion	24	25
Honorary Fellow	15	21
<b>Total Financial Members</b>	<b>8,054</b>	<b>8,353</b>
Student Member	1,860	1,429
<b>Total Members</b>	<b>9,914</b>	<b>9,782</b>

Number of new Members



## Building Industry Producer Statements Now Available

IPENZ has been working collaboratively with the Association of Consulting Engineers New Zealand (ACENZ) and the New Zealand Institute of Architects (NZIA) to provide a set of producer statements that is accepted by the industry, its insurers and the regulators as suitable for use with the new Building Code.

The producer statements are available in dynamic pdf format from both the public area and the Members' Area of the IPENZ website [www.ipenz.org.nz](http://www.ipenz.org.nz). They are copyrighted to IPENZ, ACENZ and NZIA.

The dynamic pdf versions of the forms allow you to include your own inserts (on the dotted lines, and check boxes only) with limitations on other editing. The forms are designed for general use, and any special needs may require some additional changes. We have added some tips for using the forms to the website.

There are three forms:

### Producer Statement PS1: Design

For use in certifying that the design meets the requirements of the Building Code, when applying for a Building Consent.

### Producer Statement PS2: Design Review

For use in confirming that a design meets the requirements of the Building Code, for issuing a Building Consent.

### Producer Statement PS4: Construction Review

For use in monitoring the construction in compliance with the Building Consent, when applying for a code compliance certificate.



## Volunteer Profile – IPENZ Foundation

This month, we continue our volunteer profile series by looking more closely at the IPENZ Foundation and its volunteer Board of Trustees. The IPENZ Foundation is a charitable trust charged with promoting a wider scope of the engineering profession. It is funded solely from donations and bequests, which are invested on its behalf to provide a regular income stream to support its activities.

### What are the Foundation's objectives?

Among its activities, the Foundation funds scholarships, encourages technology and engineering education, and supports Members in tough times. These are all vital components of the Foundation's broader objectives in New Zealand:

- To encourage school leavers into tertiary education in engineering and technology.
- To educate on the role of technology and engineering in sustainable economic, environmental and social development.
- To educate on significant engineering and technological achievements that form part of New Zealand's national heritage.
- To further the development and practical application of scientific knowledge in engineering or technology for the wider public good.
- To assist Members suffering hardship due to physical or mental sickness, disability or incapacity to participate in education or rehabilitation programmes that enable them to resume a career.
- To promote the relief of poverty among Members or their dependents arising from age, physical or mental sickness, disability or incapacity or death of the Member concerned.

### How does the Foundation work?

To achieve these objectives the Foundation becomes involved with a wide variety of activities – both within IPENZ and the general community. Here are some recent and ongoing examples:

**Profile:** The Foundation contributes to the New Zealand Engineering Excellence Awards, and will sponsor the William Pickering Award for Engineering Leadership and the Award for Excellence in Engineering Journalism.

**Careers:** The IPENZ Foundation Scholarships encourage Year 12 and 13 school students to choose careers in professional engineering. The IPENZ Foundation/Taranaki Branch Scholarship and IPENZ Foundation/Manawatu Branch Scholarship have been awarded for the third year and the inaugural IPENZ Foundation/ Nelson-Marlborough Branch and IPENZ Foundation/Hawkes Bay Branch Scholarships have also been awarded in 2007.

**Benevolence:** Of particular importance is the role of the Foundation in providing support to Members and their families. Branch Chairs are encouraged to bring any deserving cases to the attention of the Foundation Trustees.

### Who is on the Board of Trustees?

Chair **John Cunningham FIPENZ** started his career as a chemical engineer and progressed into commercial operations and then into business and venture capital. He has spent several years in company development, operations management and senior executive roles, and was IPENZ President in 2001.

**Warwick Bishop FIPENZ** is a former Chief Executive of IPENZ. An electrical engineer by training, he has held senior management positions with the AWA Group and the New Zealand Meat Producers Board, and he is currently the part-time Executive Officer to the Chartered Professional Engineers Council.

**Gretchen Kivell FIPENZ** worked as a chemical engineer before moving into education management and her current position with the University of Otago. Gretchen was also Chair of the Auckland Branch of IPENZ in 1984, President of IPENZ in 1998, and is on the Council of the Centre for Advanced Engineering.

**Bob Hodgson FIPENZ** is Director of the Massey University School of Engineering and Technology and is well known for his pioneering work in digital image processing systems. He is also a Member of the IPENZ Standards and Accreditation Board.

**Dennis Chapman FIPENZ** is an example of an engineer who has based a large-scale company on his own ideas, and he is currently Technical Director with Enatel Ltd. His work with schools and government officials has improved and helped establish technology education in our school system.

**Steve Gentry FIPENZ** is a company director and retired consulting engineer. He was New Zealand's first and only President of the International Federation of Consulting Engineers, has been on the boards of Energy Direct, ECNZ, Meridian Energy, WhisperTech, and is Chair of BRANZ Ltd.

For more information about the IPENZ Foundation visit [www.foundation.org.nz](http://www.foundation.org.nz)

## Member Services

### Engineering Practice Support

IPENZ encourages Members to follow recognised professional practices in their day-to-day engineering activities. To assist Members in doing so IPENZ, together with ACENZ, has developed some standard contractual documents for use in selling consulting services. Documents include: short- and long-form contractual agreements, guidelines for consulting engineers and clients, and PS1, PS2 and PS4 forms. These are available for free download from [www.ipenz.org.nz/ipenz/practicesupport/EndorsedInfo](http://www.ipenz.org.nz/ipenz/practicesupport/EndorsedInfo)

To discuss the use of these documents contact  
Engineering Practice Manager  
Cam Smart on 04 495 1644 or  
email [practicemanager@ipenz.org.nz](mailto:practicemanager@ipenz.org.nz)

### engineering treNz

IPENZ publishes peer reviewed technical papers in an online series called *engineering treNz* (Transactions of Engineers New Zealand). Publishing good-quality, peer reviewed technical papers creates a valuable resource for the engineering community and reflects well on individuals, their employers and the profession as a whole.

Papers published in *engineering treNz* are freely available on the IPENZ website [www.ipenz.org.nz/ipenz/publications/treNz.cfm](http://www.ipenz.org.nz/ipenz/publications/treNz.cfm) and the keyword search can be used to search for papers from both *engineering treNz* and its predecessor Transactions.

For further information or to discuss or submit a paper, please contact the Editor of *engineering treNz* Lindsay Robertson at [lindsay@tech-vantage.com](mailto:lindsay@tech-vantage.com) or phone 021 240 6863.

### JobHunt

The IPENZ JobHunt service (sponsored by Career Engineer <http://www.careerengineer.co.nz>) is the premier job finding and recruitment site for engineers and technologists. It enables jobseekers to efficiently search for employment online by personalising their search criteria. Employers may also advertise a position using selective criteria.

Visit the JobHunt website <http://www.jobhunt.co.nz> for more information and to

## Movers and Shakers



**Russell Black FIPENZ** was elected an International Fellow of the Royal Academy of Engineering in November 2006.

This is a prestigious honour for a New Zealand civil engineer with a worldwide reputation for his achievements in innovative engineering and focused project management.

Russell has 30 years' experience working on major projects involving extensive tunnelling – railway and hydro projects in New Zealand followed by 24 years of major infrastructure projects including the construction of mass rapid transit railways in China, Hong Kong, Singapore and the United Kingdom.

From 1990–92 he worked as the London Underground's Project Director for the Jubilee Line Extension project and establishment. He then returned to Hong Kong to become Project Director and board member at MTR Corporation in 1992, at the beginning of the Hong Kong Airport Railway project.

Russell serves on the Hong Kong Provisional Construction Industry Co-ordination Board, and had served previously on the Hong Kong Construction Advisory Board and the Hong Kong Vocational Training Council. He was awarded the Bronze Bauhinia Star Medal in 1999 for outstanding service.

**John Rutledge FIPENZ** has been appointed to the Board of Land Transport New Zealand.

As a civil engineer with a wide range of experience in New Zealand and overseas working on highway and mass transit works projects, John has a knowledge of the sector and brings governance and leadership skills to his new role.

He has held positions as Deputy Head of the Geotechnical Engineering Office in Hong Kong, Chief Designing Engineer and Assistant Commissioner of Works (Engineering Services) at the Ministry of Works and Development, and General Manager of Consultancy Services with the Works and Development Corporation. He was also Chief Executive of Opus International Consultants from its incorporation in 1991 until his retirement.

John served on the board of the Centre for Advanced Engineering at the University of Canterbury until 1998 and the board of Polytechnics International New Zealand Ltd, and was Chair of the Structures Committee of the National Research Bureau's Road Research Unit.

Transport Minister Annette King announced John's appointment in April.



**Steve Douglas MIPENZ** CPEng IntPE has been appointed the new Director of Civil Aviation.

Steve was previously General Manager Government Relations at the Civil Aviation Authority (CAA), responsible for aviation rules, policy development and international relations activities.

Steve has extensive aviation technical and regulatory experience. His last 12 years at the CAA

have been spent in senior management roles – from 1995–2000 as Assistant Director responsible for the CAA's certification and safety monitoring functions and more recently in the safety policy and international relations role.

Steve gained a mechanical engineering degree from the University of Canterbury in 1974. This was followed shortly afterwards by an MSc in Aircraft Design from the Cranfield Institute of Technology in England.

Steve's career has been devoted entirely to aviation, and includes five years at Air New Zealand in a technical services role, and a similar period spent in commercial satellite design at British Aerospace.



**Rod Melville-Smith FIPENZ** has been appointed Regional Manager for Coffey Geotechnics New Zealand Ltd, a part of Coffey International Ltd.

Rod was the sole principal of Foundation Engineering Consultants Ltd, a company that he founded in 1979 and developed into one of the leading geotechnical consultancies in the upper North Island. The recent sale of the company has allowed him to pursue this new role.

Rod has been involved in geotechnical engineering in the land and building development sector for over 30 years, with special interests in piling, retaining structures, land stability and earthworks.

While he is part of the technical team, Rod will also have a focus on business development, including broadening the range of expertise available to clients in conjunction with Coffey's Council of 18 Senior Principals.

Coffey specialises in geotechnical, environmental and mining consultancy work, as well as international community development and project management.

**Bryan Pidwerbesky FIPENZ** has been appointed an Adjunct Senior Fellow with the University of Canterbury's Department of Civil Engineering, where he specialises in highway and road engineering.

Bryan is General Manager – Technical at Fulton Hogan Ltd where he is responsible for the company's technical innovation strategy, research and development programme, and technical staff.

Prior to working at Fulton Hogan he was Chief Executive of the New Zealand Pavement & Bitumen Contractors' Association in Wellington from 1998–2000. He spent 12 years before that as a lecturer, researcher and consultant at the University of Canterbury. While there, he managed New Zealand's only accelerated pavement test track, the Canterbury Accelerated Pavement Testing Indoor Facility (CAPTIF), a full-scale testing facility capable of analysing a wide range of pavement and vehicle properties.

Bryan is a Member of the IPENZ Transportation Group and the IPENZ Engineering Practice Board, and serves on the editorial boards of three international journals in pavement engineering.

## IPENZ Fellows Recognised by Institute of Directors

Five IPENZ Fellows were recently elected to Fellow of The Institute of Directors in New Zealand. IPENZ congratulates **Colin Martin FIPENZ, Ray Meyer DistFIPENZ, Brian Rhoades FIPENZ, Francis Small DistFIPENZ** and **Warren Thessman FIPENZ**.

The five are among 48 executive directors and board members to be elected to Fellow by The Institute of Directors in March 2007.

The Institute of Directors promotes excellence in corporate governance, represents directors' interests, and facilitates their professional development through education and training. It is a membership-based organisation of around 4,000 individuals from New Zealand's public and private sectors, and represents a wide range of independent and executive directors from both large and small companies.



### NZEE Awards still open

If you've only just discovered the New Zealand Engineering Excellence Awards and you really want to enter, don't despair – you still have time.

Although expressions of interest closed on 2 June 2007, you will still be in the running if you send your entry and supporting material the following address by 5.00pm on Monday 2 July:

NZEE Awards 2007  
PO Box 12 241  
Wellington

There is a range of Individual Awards (for an individual engineer or team of engineers) and Category Awards (for projects). For more information about the Awards and to download an entry form visit <http://www.nzeeawards.org.nz>

The Awards will be presented on 21 November 2007 in Wellington at a prestigious black-tie dinner held at Te Papa. Mark the date in your diary and come and celebrate New Zealand's engineering excellence – who knows, you could be there as one of the finalists.

### Be Part of the engenerate Crew

We are looking for young engineers to become part of the engenerate crew in their local areas.

The engenerate crew will come up with ideas for using the money that IPENZ is providing to organise events that promote networking, career development, professional competence assessment support, and celebrate the importance that young engineers have in our community.

Let us know what you're keen to learn about or your great idea for an event because this is the year to make it happen!

For current IPENZ Members it will be a great year to meet other young engineers from your local region and expand your networks. With the opportunities on offer, it's also a great year to become a Graduate Member of IPENZ, so pass the engenerate message along to your friends who haven't joined IPENZ yet.

The engeneration (or young engineers) has been defined by IPENZ as Members who are under 30 years of age or those who have had less than eight years' work experience.

To join the engenerate crew or to pass on your event ideas, email [engenerator@ipenz.org.nz](mailto:engenerator@ipenz.org.nz)



### New Staff



Welcome to **Regan Hoskin**, who joins IPENZ's Learning and Assessment team in the role of Professional Development Advisor.

Regan completed her BA (Hons) in Latin at Victoria University of Wellington, before she gained her Diploma of Teaching.

After working as a secondary school teacher for a couple of years, she changed direction and joined the Department of Building and Housing. While there, she worked as a case manager with the Weathertight Homes Resolution Service and more recently in operational policy.

Regan says she enjoys her new role as Professional Development Advisor, as it combines all her previous skills and experiences.

Outside work, Regan enjoys acting and singing with various local theatre groups. Regan developed a love of travel while living in the Pacific Islands when she was younger. She has visited Japan and the United States and she has her sights set on Europe for her next big trip.

## Member Services

[browse the listings.](#)

### IPENZ Technical Interest Groups

Members can also join IPENZ Technical Interest Groups which provide a programme of activities and services associated with a particular engineering specialty or discipline.

The Groups inform Members of national and international developments and issues, contribute to knowledge development, support the identification of good engineering practice, prepare informed comment on public policy issues and create a national network amongst Members with similar technical interests by regular communication. For more information on IPENZ Technical Interest Groups visit [www.ipenz.org.nz/ipenz/who\\_we\\_are/organisation/technical\\_groups.cfm](http://www.ipenz.org.nz/ipenz/who_we_are/organisation/technical_groups.cfm) or phone Saltanat Cole on 04 474 8937.

### Engineering Practice Support

IPENZ encourages Members to follow recognised professional practices in their day-to-day engineering activities. To assist Members in doing so IPENZ has developed a series of *Practice Notes* as a source of endorsed advice to engineers on practice-related issues.

*Practice Notes* currently available include:

Note 1 – Producer Statements

Note 2 – Peer Review

Note 3 – Media Tips

Note 4 – Safety and Engineers

Note 5 – Sustainability and Engineers

Note 6 – Developing and Maintaining

Client Relationships

Note 7 – Design for Safety in Buildings and

Other Structures

Note 8 – Engineers and Ethical Obligations

To discuss the use of these documents, contact our Engineering Practice Manager Cam Smart at [practicemanager@ipenz.org.nz](mailto:practicemanager@ipenz.org.nz) or phone 04 495 1644.

### Informatory Notes

IPENZ seeks to contribute on matters of national interest. One method of doing so is via *Informatory Notes* which give a learned view on important issues independently of any commercial interest. Such notes are not consensus papers of the Institution's Membership but rather an exploration of the issues and possible outcomes. There are 12 *Informatory Notes* currently available on a range of subjects including: economic growth, education, sustainability, climate change, innovation, research and development, and resource management. *Informatory Notes* are



## IPENZ Professional Development Short Courses

June – July 2007



Are you a young engineer preparing for competence assessment? This course may help.

### Risk Management

This one-day workshop covers the fundamentals of risk management for engineers and business managers in an engineering setting. Participants will learn risk management tools and techniques how to use these in their own business.

North Shore 21 June

### Risk Analysis

This one-day workshop familiarises engineers with risk analysis software.

Participants will be given a broad overview of existing packages before engaging with @Risk, a risk analysis software package that integrates into Microsoft Excel.

North Shore 22 June

### Contract Management

This course introduces participants to the principles of establishing contractual relationships and managing these relationships in a project environment, to ensure successful delivery of their project.

North Shore 29 June

### Leadership and Management Essentials

This one-day course covers the essential skills required by engineers and business managers who want to enhance their leadership and management practices.

Wellington 20 June

### Moving from Technical Expert to Management

This one-day course deals with the “soft skills” required to successfully transition from being a technical expert to managing technical experts. Businesses often promote high-performing individuals into management positions without the necessary training. This course helps participants make the transition.

Wellington 21 June

### Negotiating Skills for Technical Professionals

This one-day workshop provides participants with a framework to prepare for a negotiation and then to conduct the interaction in a professional and effective manner.

Dunedin 3 July

### IPENZ Mentoring Workshop

This one-day workshop is designed to develop mentoring and coaching skills, and make mentors more effective in their interactions.

Wellington 4 July

### IPENZ Mentoring Follow-up Workshop

This half-day workshop is designed for experienced mentors to further develop their mentoring and coaching skills. It aims to make mentors even more effective in their interactions with mentees, team and project members, and clients.

Wellington 5 July

### Avoiding Ethical Dilemmas

This one-day course introduces participants to the ethical values that underpin their professions and to the obligations that flow from them.

Wellington 9 July

### Cost:

Half day	\$315.00 incl GST – IPENZ Members
	\$360.00 incl GST – non-members
One day	\$495.00 incl GST – IPENZ Members
	\$540.00 incl GST – non-members

Participants may choose to do a work-based project after some short courses and submit it to the facilitator for feedback. If this assessment option is chosen, the additional cost is \$54.00 including GST. All short courses may be tailored to suit the needs of organisations.

### Project Management Distance Learning Course

IPENZ and PPM Ltd are offering a distance-learning course in project management consisting of 125 hours of course study and assignment work. Full information is available at [www.ipenz.org.nz/ipenz/nzecal/distance-learning.cfm](http://www.ipenz.org.nz/ipenz/nzecal/distance-learning.cfm)

### Short Courses in Project Management

IPENZ is collaborating with ProjectPlus to offer a range of one- and two-day short courses for IPENZ Members which are suitable for experienced project managers and engineers new to project management.

Registrations close one week before the start of the course or seminar in each location. Full details are available at [www.ipenz.org.nz/ipenz/nzecal/ks.cfm](http://www.ipenz.org.nz/ipenz/nzecal/ks.cfm) or by emailing [CPD@ipenz.org.nz](mailto:CPD@ipenz.org.nz) or telephoning Josie Butler on 04 474 8982.



#### Managing Editor

Charlotte Stapleton 04 474 8943  
[editor@ipenz.org.nz](mailto:editor@ipenz.org.nz)

#### Membership Enquiries

Michele Boniface 04 474 8948  
[membership@ipenz.org.nz](mailto:membership@ipenz.org.nz)

#### President

Jeff Jones  
[president@ipenz.org.nz](mailto:president@ipenz.org.nz)

#### Deputy President

Bas Walker  
[deputy.president@ipenz.org.nz](mailto:deputy.president@ipenz.org.nz)

#### Chief Executive

Andrew Cleland 04 474 8935  
[CE@ipenz.org.nz](mailto:CE@ipenz.org.nz)

#### Director – Engineering

Charles Willmot 04 474 8932  
[Dir-Eng@ipenz.org.nz](mailto:Dir-Eng@ipenz.org.nz)

#### Director – Learning and Assessment

Brett Williams 04 474 8936  
[Dir-LA@ipenz.org.nz](mailto:Dir-LA@ipenz.org.nz)

#### Director – Schools

Angela Christie 04 474 8981  
[Dir-Schools@ipenz.org.nz](mailto:Dir-Schools@ipenz.org.nz)

#### Director – Operations

Susie McCutcheon 04 473 2029  
[Dir-Ops@ipenz.org.nz](mailto:Dir-Ops@ipenz.org.nz)

#### Registrar

Jeff Wastney 04 474 8983  
[CPEng\\_stdts@ipenz.org.nz](mailto:CPEng_stdts@ipenz.org.nz)

#### NATIONAL OFFICE

Ground Floor  
158 The Terrace  
PO Box 12 241  
Wellington 6144  
New Zealand

T 64 4 473 9444

F 64 4 474 8933

E [ipenz@ipenz.org.nz](mailto:ipenz@ipenz.org.nz)

[www.ipenz.org.nz](http://www.ipenz.org.nz)