



Power Career Day

Tuesday 30 July

Take charge of your future!

Programme

Career Expo

11.00 am to 4.00 pm

Engineering Core

Career Convention & Scholarship Awards

4.30 pm to 6.30 pm

E5 Lecture Theatre

Tips for students

- **Use resources available on campus provided by UC Careers**
www.canterbury.ac.nz/careers/students/
- **Participate in the UC IEEE Student Branch preparation workshop and mock interviews next year.**
Contact: sponsorship@ucieee.org
- **Contact companies about their summer internships and graduate programmes early to find out the application deadlines.**
- **Apply for Scholarships**
See an example of some scholarships available:
www.canterbury.ac.nz/epecentre/education-and-outreach/scholarships/

Or search the Scholarships Office database:
www.canterbury.ac.nz/scholarshipsearch/

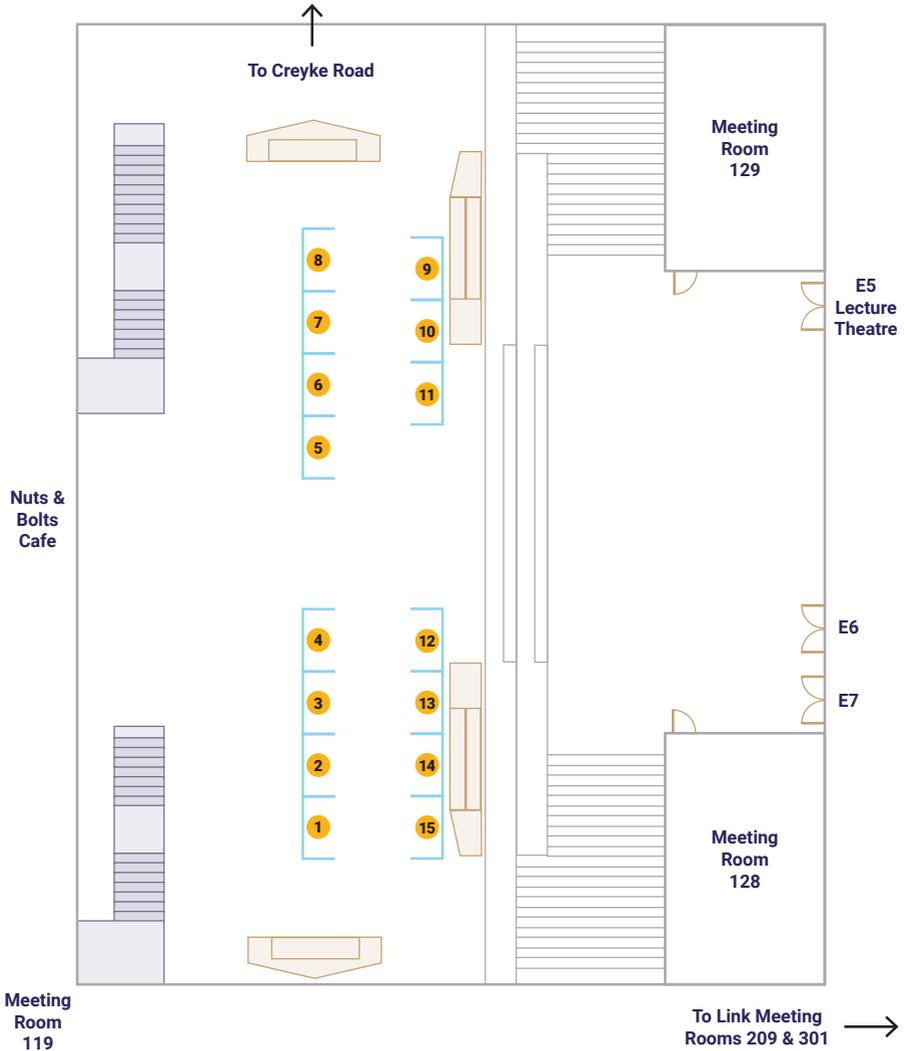
Win a \$100 Westfield voucher!

Complete the scavenger hunt at the expo and come along to the convention to be in to win!

1. Pick up an entry form at the UC EPECentre stand or from a table around the expo.
2. Visit each exhibitor stand to collect a clue word to help you fill in the blanks.
3. Drop off your completed entry form to the UC EPECentre stand before 4pm.
4. Come to the Career Convention from 4.30pm - 6.30pm.

Correct entries from UC students will go in to the prize draw. The draw which will take place at the Career Convention. Should the winner not be present at the time of the draw, there will be a redraw.

Exhibitor map



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| 1 UC & EPECentre | 5 Meridian | 9 Northpower | 12 Mercury |
| 2 Powerco | 6 Mitton Electronet | 10 pba | 13 PowerNet |
| 3 WEL Networks | 7 EEA | 11 Orion | 14 Electrix |
| 4 Transpower | 8 PSC | | 15 Beca |

Exhibitor profiles

Premium EPECentre Members



www.mercury.co.nz/about/careers

Mercury is an electricity generator and retailer whose purpose is to inspire New Zealanders to enjoy energy in more wonderful ways. 100% of our generation comes from renewable sources – hydro, geothermal, and in 2020 we'll be adding wind!

We are looking for passionate and ambitious students with an interest in the energy industry for our 2019 Summer Internship Programme. We have a number of positions available based at our various offices (Hamilton, Rotorua, Taupo) and central north island generation sites catering for a range of engineering disciplines.

Applications are now open for our 2019 Summer Internship Programme. Sign up at our website (link above) or come along to our stall and have a chat.



Meridian.

www.meridianenergy.co.nz/who-we-are/meridian-careers/graduates-and-interns

At Meridian, all our electricity is generated from 100% renewable sources – wind, water and sun. Always has been, always will be. We believe that by doing the right thing by people and the planet, we're working to build a better future for our customers, communities, children and environment. With a truly flexible, diverse and inclusive culture, we're committed to the long-term future of New Zealand.

We've got fantastic opportunities in both our summer internship and graduate programmes. Visit our website above for more information.

Orion

www.oriongroup.co.nz/corporate/careers

Orion owns and operates the electricity distribution network that provides power to central Canterbury and the city of Christchurch.

At Orion you can expect to join a diverse team of committed and talented people with a high calibre of qualifications, experience and skills. This is a workplace where we seek to continuously improve and look for new and smarter ways of doing things.

Transpower has a vital role in the New Zealand electricity supply industry. We provide the link between generators, distribution and retail companies, ensuring electricity supply for all New Zealanders. The power behind our business is people. We are always looking for people with the skills and enthusiasm to meet the challenges of keeping the energy flowing to all parts of New Zealand.

We recruit the following types of graduates onto our graduate programme:

- electrical engineering
- mechanical engineering
- civil engineering

On this two year programme you'll rotate through various areas of the business. You'll gain a broad knowledge of what we do, how we work, and who we work with – and you'll get the chance to explore how you wish to shape your future with us. We have offices in Auckland, Palmerston North, Hamilton, Wellington and Christchurch. You'll nominate one of these as your home base, but you'll also need to work in other locations to broaden your experience.

EPECentre Members



Our career development philosophy is simple, you own your own career! Our Summer Student Development Programme offers you the opportunity to gain a deeper understanding of the consulting environment and how your studies are applied in the real world.

We've got over 1,500 technical gurus, so you'll have the opportunity to work alongside some of the best in the industry. You will gain invaluable experience from our multidisciplinary support network who work across a huge range of markets, from water, defence, education, healthcare, transportation and infrastructure, to food and beverage and power.

We care about your development! Our Summer Student Development Programme has been running for the past three years and will see you working with other students on a real business problem facing our industry, attending networking events, interactive workshops and even a Beca Summer Student conference! You have the opportunity to be part of our lively social scene. Each office has a social club that organises a range of activities, from ski trips and dragon boating to cocktail parties, a mid-winter ball, movie nights and comedy shows.



Electrix is a leading provider of engineering, construction and maintenance services to asset owners in the utility, industrial, commercial, resources, and infrastructure sectors.

We have been in business in New Zealand since 1955 and commenced operations in Australia in 1997. Growth is an important part of our strategy as we continue to extend our capability and explore opportunities in new markets.

In addition to our home markets, we have completed major projects in; Fiji, American Samoa, Indonesia, the Maldives and the Marshall Islands.



Electricity Engineers'
Association

www.eea.co.nz/Site/join/why-join-2017.aspx

The EEA is committed to providing the New Zealand electricity supply industry with expertise, advice and information on technical, engineering and safety issues affecting the electricity industry. To do this we work with and represent over 50 Corporate Member organisations and more than 400 individual professional members.

The issues we cover focus around engineering, technical and health and safety and the EEA provides an 'electricity supply industry voice' to the Government, regulators, stakeholders, professional bodies and the media. The EEA also provides an extensive range of publications for the industry and public use, actively represents New Zealand in the national and international Standard development process and organise professional development training for industry staff.

Joining as a student is free and gives you free access to resources and events. You can as well join as a graduate and get 2 years free.



www.mittonelectronet.com/careers

Mitton ElectroNet is an ideal place for any engineer to further their engineering career. The opportunity to work at a dynamic consultancy, which provides a broad range of experience, allows engineers varied development opportunities, while maintaining options for the future.

Mitton ElectroNet is a New Zealand owned consultancy, who consistently maintains an industry leading position, providing expertise to a variety of clients both nationally and internationally. As such, Mitton ElectroNet seeks to attract and retain the best engineers, by providing competitive development, support, wellbeing and salary benefits to employees.

Mitton ElectroNet is a great place to work, the company is focussed on individuals, friendly and supportive, where staff are actively engaged to contribute to the future of the company and we are a respected market leader with a diverse range of clients.

Think you've got what we're looking for? Ask about starting your career at Mitton ElectroNet.



northpower.com/company/careers/trainees-and-graduates

Northpower operates and maintains both the electricity distribution and fibre networks in the Whangarei and Kaipara region with more than 60,000 connected customers. We also provide specialist contracting services to our partners, other network owners and operators, across the North Island of New Zealand.

We're committed to ensuring our industry has skilled people now and in the future. We hire a number of trainees and graduates across the North Island for a variety of roles.

You can find info on how to apply as Trainee or graduate on our website above.



www.pbanz.com

PBA is a HV equipment and service provider operating throughout Australasia supplying leading technical expertise and specialised equipment focusing on HV engineering and asset management needs.



www.powerco.co.nz/careers/

Powerco strives to deliver reliable energy to your door. We keep the lights on and gas flowing to around 1.1 million customers (across 442,000 homes, businesses and organisations) in the North Island.

Our energy brings warmth, comfort and security. We do this safely and efficiently and when supply is interrupted we respond quickly so you can get on with your lives.

We are proud of our small town origins and local history. You will see us getting behind community groups and events – it's important to us to support worthy causes and organisations.

At Powerco, we are preparing for the future to provide a trusted service that evolves with changing technology.

We offer Summer Internships and a Graduate Programme.



careers.powernet.co.nz/

New Zealand's fourth largest Electricity Management and Distribution company. We build, maintain and manage assets across Southland, West Otago, Queenstown Lakes, Central Otago and Stewart Island on behalf of our network owners. We proactively identify opportunities to enhance investment outcomes for shareholders, monitoring and managing these investments. It's a responsibility we're proud to have. We have summer intern and graduate opportunities available.



Specialist Consultants
to the Electricity Industry

www.pscconsulting.com/careers/

PSC started in New Zealand and is now a global company with offices in Australia, Singapore, UK, Canada and North America. As a consultancy company we help utilities and energy companies thrive in a rapidly changing industry. We work across the industry including Generation, Distribution and Transmission. With specific services including:

- Operational Technologies (SCADA, IT and Telecommunications)
- Power Networks (Systems studies, Generator testing)
- Distributed Energy Resources
- HVDC (with projects worldwide)
- Market Systems (software development and strategy)

At PSC you can develop your skills and take them to the world!



www.wel.co.nz/work-for-wel/

At WEL Networks we're delivering innovative energy solutions which enable our communities to thrive, and keep the lights on 24/7. We've been serving the Waikato for 100 years, distributing power from the national grid and providing a highly reliable electricity supply to over 92,000 homes and businesses. Based in Hamilton, we play an essential role in the region's economic and social development by identifying and investing in new technologies that will modernise our network and future-proof our region. We employ around 250 staff with a range of expertise to provide a fully integrated electricity network management service, which includes planning, design, delivery and operation.

Other EPECentre Members



Career Convention & Scholarship Awards • E5

Programme

4.30 pm **Drinks and nibbles**

5.00 pm **Speeches and Scholarship Presentations**

Welcome

Dr Radnya Mukhedkar
EPECentre Director

Keynote: The future is already here!

Peter Brown
*PSC, General Manager NZ
PEET & EPECentre Board member*

PSC Scholar Award

The value of NZ engineering qualifications and experience in local and global markets

Dr Kavi Singh
PowerNet, General Manager New Energy Development and Strategy

EPECentre scholars awards - Third Professional Year

New and emerging projects in a rapidly evolving distribution business

Cameron Chapman
WEL Networks, Commercial Engineering Manager

EPECentre scholars awards - Second Professional Year

Diversity in roles - increasing opportunities for young engineers!

Kewen Kueh
Powerco, Team Leader: Power Assets

EPECentre scholars awards - First Professional Year

UC to Industry transition

Hugh Hendrickson
Transpower, Graduate Electrical & Electronics Engineer

EPECentre scholars awards - Engineering Intermediate Year

Photo Competition Awards - EPECentre Power Systems Field Trip

Scavenger Hunt Prize Draw - \$100 voucher!

6.30 pm **Drinks and pizza**



Speaker profiles



Peter Brown

**General Manager NZ, PSC
PEET & EPECentre Board member**

With strong ties to the Canterbury region, Peter trained as an Electrical Engineer at the University of Canterbury and worked in the local technology industry.

Having both a NZCE in Electrotechnology and a Bachelor of Engineering, he worked at Swichtech/Invensys (now Eaton) for 8 years. Peter left Invensys to start his own company called Nightside delivering test engineering solutions across New Zealand and into Australia. Nightside operated for 14 years delivering projects for a wide range of clients growing and developing. In 2009, they developed the Genassure technology with Meridian Energy and built a successful compliance testing service business for electricity generators as part of the Nightside group. In 2014, Genassure became part of PSC and the business has continued to grow, with the majority of work now in Australia.

In March 2018, Peter became the PSC Asia Pacific Sales Manager and in 2019 transitioned to his current role.



Dr Kavi Singh

**General Manager New Energy Development and Strategy
PowerNet**

Kavi is the General Manager New Energy Development and Strategy at PowerNet.

Kavi has over 18 years of experience in the energy sector, of which 8 years have been in senior management roles. His experience spans all aspects of the power industry and includes providing leadership to commercial and technical teams, championing change management and business transformation, and laying the groundwork for strategic analysis and execution required to underpin operational and commercial success.

He holds a Ph.D. Operational Research (Operations Optimisation) and a Bachelor in Engineering (First Class Honours) – both from the University of Auckland.



Cameron Chapman

*Commercial Engineering Manager
WEL Networks*

Cameron is the Commercial Engineering Manager at WEL Networks in Hamilton. He is responsible for developing and delivering new technology products for WEL Networks and its Customers. Cameron joined WEL Networks in 2017 following a strong background in design, construction and asset management across the power generation sector. He has successfully installed a microgrid and automation system at the WEL Networks campus, a New Zealand first, and is championing the EV charger programme at WEL Networks. While at Genesis, Cameron lead the development of the asset management system using the Bowtie risk management framework. Cameron has a Masters of Engineering Management and Bachelors of Engineering from the University of Canterbury, and is a former EPECentre Scholar (awarded in 2009).



Kewen Kueh

*Team Leader: Power Assets
Powerco*

Since graduating from UC in 2009, Kewen has worked for Powerco – which supplies gas and electricity to towns and communities in networks stretching from the bottom of the Wairarapa to the top of the Coromandel. His roles include Technical engineer developing tools and standards in areas of Network Automation, Arc Flash, Transformer Dissolved Gas Analysis and Underground Cable ratings; Project Manager for substation upgrade projects; and as an analyst leading asset failure investigations and asset management plans. He now manages a team of engineers looking after maintenance and lifecycle management of Powerco's HV substations and underground networks.



Hugh Hendrickson

Graduate Electrical & Electronics Engineer, Transpower

Hugh graduated last year from UC with a Bachelor of Engineering with First Class Honours (Electrical & Electronic Engineering) with a minor in power engineering. He enjoyed his time at University and that is credit to his classmates, and the support he got from the lecturers and the EPECentre. He now works at Transpower who owns and operate the high voltage transmission network and New Zealand's electricity market. He has been working for four months and has already gained some invaluable experience. Hugh is a former EPECentre scholar (2015-2018).

Electric Power Engineering Centre (EPECentre)

College of Engineering
University of Canterbury
Te Whare Wānanga o Waitaha

info@epcentre.ac.nz

www.epcentre.ac.nz