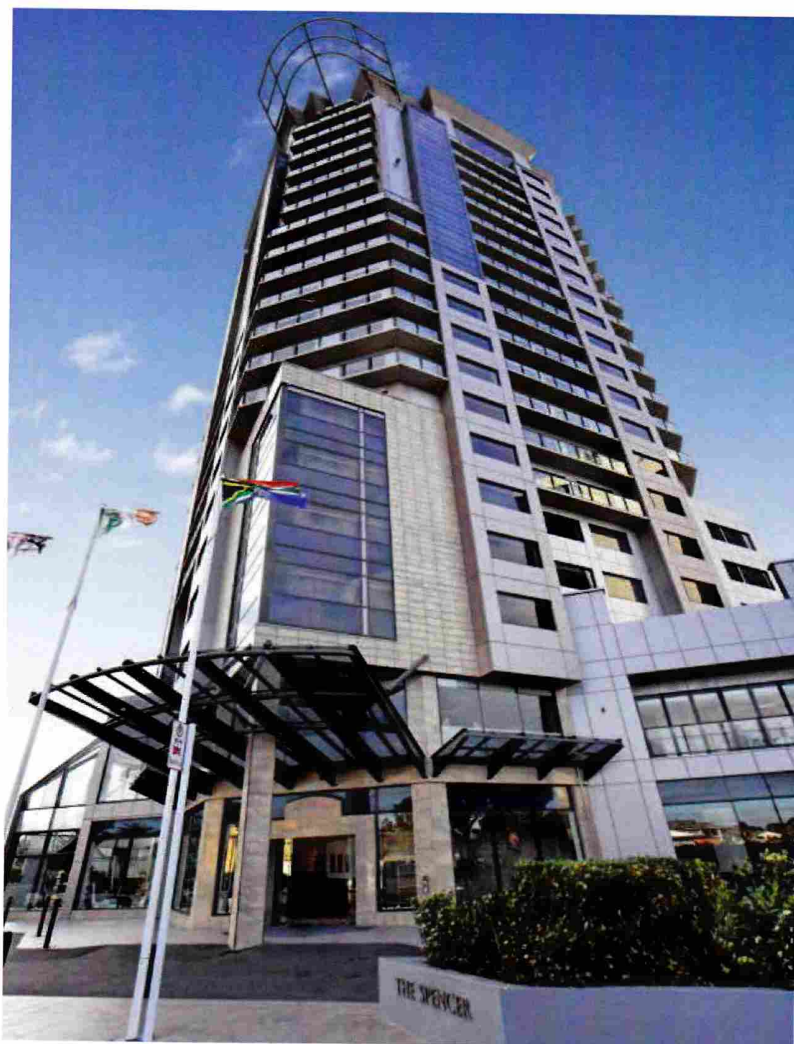


# THE HEALTH ENGINEER



New Zealand Institute  
of  
Healthcare Engineering

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# THE HEALTH ENGINEER

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Cover photo - The venue for the 69th NZIHE Annual Conference, Spencer on Byron, Takapuna

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## PRESIDENT'S REPORT

Here we are looking to the end of 2014, labour weekend and our 69<sup>th</sup> national conference on Auckland's Northshore are things of the past.

The Conference was indeed a great success, the networking, the great comradery and wonderful presentations, those who missed it book now for next year in Hamilton. The Trade Night had 33 stands and was a great night, our thanks must go to our loyal trade partners who help us continue to host our conferences. Many of us learnt the techniques of bowls, hosted by the Takapuna Bowling Club. We even ended with an Australian / New Zealand final bowl off.

This year's elections have brought us a new health minister, but I suspect there will be little change as we move forward for the next 3 years. Down in southern region we have the prospects of several new private hospitals in the Queenstown area and design & construction work is underway on a 100+ million dollar university dental school while the Southern district health board has had to renege on building a new Lakes Hospital in Queenstown because of insufficient funds. It appears the gap is widening.

Since our last magazine the Health Alliance has taken on the procurement processes for the 20 DHB's and GS1 is building up the database catalogue. This will have significant effects on suppliers, DHB's, contractors & private hospitals.

While the winter period has been quiet for the NZIHE, we have several exciting things happening. Firstly our new website is preparing to go live shortly after X-mas, Max has been putting in the hard yards in with Hairy lemon Ltd (the website designers) and while we have initial details how best to use, more information will follow. But this website needs your help, contents to populate the website is critical to make this our prime communication tool of the Institute.

All of you do interesting and varied work which believe it or not is valuable for our magazine & website. Many of you are interested in how your colleagues are solving problems or tackling that rebuild. So now with your smart phone, take those photos of your work & projects add a few lines of description and send it into the website or to our magazine editor Jim Logan [jamlog@vodafone.co.nz](mailto:jamlog@vodafone.co.nz) or any exec. Member. We really need good content to make our website special & informative.

Secondly, Tony McKee represented us all at the IFHE in Buenos Aires at the international congress. While there Tony supported the Australian IHEA bid for the IFHE congress in 2018 in Sydney. This bid by our Australian brothers of the IHEA was successful. We have been invited to assist in organising this congress which will be held in Brisbane 2018. Tony provided a great report on his attendance at the IFHE congress at the conference.

Thirdly, Trent Fairey from Hawkes Bay DHB travelled to Queensland as our Anzex delegate to attend the IHEA conference. Trent provided an excellent detailed report with us at the conference. Dean our IHEA ANZEX delegate from Australia came to our pre conference Executive Meeting and presented an interesting paper, at the conference, on replacing all lighting in the hospitals, where he works, with LED's and the savings he is experiencing. He has passed on his thanks to all who welcomed him.

As part of my business we support a number of facility's sterilising equipment and also service a large number of benchtop autoclaves & washers, with this we are also members of the Sterile Services association. I attended their Christchurch conference and thoroughly enjoyed a well-run conference with exceptional presenters and trade displays, the networking and cordial socialising was very good. This conference allowed the opportunity to discuss with executive members the varying issues of national health institutes and DHB relationships. I hope we can build on these relationships and gain strength to attract a wide range of participants in our conferences & activities.

Congratulations to Tony Blackler for 40 years continuous service to the Canterbury DHB. Quite a milestone which not too many of us achieve.

Regards Doug Moller  
NZIHE President.

help paraplegic patients to stand with the hope it will reduce morbidity and augment physical therapy for patients with impaired limbs;

- Noninvasive, radiosurgery robotics that use image-guided and computer-controlled robotics to deliver beams of high-energy radiation of great precision to shrink or eradicate tumors without surgery;
- Telepresence robots suited for virtual medical consultations or medical visits where there is a long distance between patient and doctor;
- Therapeutic robots used to enhance the therapy of developmentally disabled children and record their progress.

### SUCCESSFUL IMPLEMENTATION

Most health care robots are costly investments and

often have significant safety, infrastructure and IT considerations.

Successful implementation of robotics in a health care facility lies in thoroughly vetting the technology, comprehensive planning, well-timed and planned installations, appropriate training and periodic reviews of operational processes.

Keeping apprised of these technological developments is essential for forward-thinking health care facilities.

*Debra Ann Maleski is a senior associate in the applied solutions group at ECRI Institute, Plymouth Meeting, Pa. She can be reached at [dmaleski@ecri.org](mailto:dmaleski@ecri.org).*

## REPORTS FROM THE 2014 NZIHE CONFERENCE

### CLINICAL ENGINEERING CONFERENCE REPORT

This year's conference held at the Spencer on Byron in the beautiful Takapuna was a credit to Bill and Lyn MacDougall. The team organised a great location and I was able to enjoy an excellent view from the 13th floor, with fireworks going off all over the city me below.

The conference had a great list of speakers lined up. We had a varied list of speakers from both the facilities and clinical side of the NZIHE. As I am from the clinical side I was very interested in Pat Fernley's speech on nurse call systems. It really opened my eyes to what is possible with interfacing equipment with a nurse call system and the advantages it will bring to treatment providers. Andrew Love's talk on Anaesthetics in Waitemata DHB was also very interesting. While this is a little removed from what I do in my day to day job he spoke really well and filled in a few gaps in my knowledge as to what happens behind theatre doors. It was good to see Kim Bruton back again and giving us a good insight in what goes on, on his side of the ditch. The talks/discussion that Doug, Tony and Ann had on hoists was a great way for everyone to get involved. The discussion was very involved and proved the need for further standardising of the testing hoists. While there were many interesting talks I do not have enough space to talk about them all. I hope all that spoke do realise how important this is to the NZIHE and to everyone involved.

As for the rest of the conference I'm sure I would not be the only one to say I ate far too much; from the buffet in the morning to the dinner at night, the only thing better was the many new friends I made over a few beers.

I am already looking forward to the next one Jacqueline is organising in Hamilton next year.

Thanks to all those involved,

Zane Lee, Clinical Engineer.

### FACILITIES CONFERENCE REPORT

This year's conference was my first and was a good chance to meet all my colleagues from around the country. We started Wednesday night at a local eatery/Pub "THE MEXICIAN" in Takapuna North Shore and a good time was had by all. Thursday started at breakfast with a number of welcomes and a good breakfast then straight into the workshops and speakers. The day went very well and I gained a lot of answers to the many problems that we were having at the Hutt Valley District Health Board. The sheer



number of people wanting to add value and give you their knowledge that they had gained over years and years of experience was fantastic to a newcomer like me, special thanks to Phil Goodman from Bowen Hospital Wellington and Ted Aldous Greymouth Hospital the ideas and knowledge has been extremely useful.

The trade show was full and interesting products in all respects, having being advised to bring plenty of business cards from Max Christensen I deposited them in the various booths that I visited, eating enormous amounts of nibbles and ham off the bone sandwiches as I went (did I say the food was excellent) A word to the wise! pays to stay around and not go to bed early because if you win a prize you have to be there to collect it, and I won two.

The guest speakers were very targeted and knowledgeable and their depth of field was interesting and focused on the health sector. To have the ability to attend this conference has a fantastic value that could never be obtained elsewhere without large expense

I could not find fault in the conference and look forward to the next one in 2015 in Hamilton. I will also be putting my hand in for the Executive next year.

Chris Seaton, Maintenance Manager, Hutt Valley District Health Board

## PARTNERS REPORT

The Annual Conference, held in Takapuna on the Northshore this year, has come and gone once more. This year, Lyn Macdougall arranged a very interesting and informative programme for the partners of the delegates. On the first day we were transported to Puhoi [50 kms north of Auckland] famous for its cheese factory and iconic pub. After morning tea and 'emptying the cheese shop of cheese' we were invited to cross the road to the Puhoi Hall. We were delighted to see several women and young girls, dressed in their national costumes, waiting for us at the door. We learnt that they were descendants of a group of Czech-Bohemians who immigrated to New Zealand in 1861 directly to Puhoi. Once inside, and seated, we were treated to a demonstration of several of their national dances with an explanation for each one. At the end we were all asked to participate in the last dance. As 'official photographer' I had to 'reluctantly' decline the invitation so as to capture the moment on camera. Crossing the road once more, we were taken to the Roman Catholic Church where one of the women explained the history of the church and the families who supported it. The statues at the altar are of a particularly high standard of workmanship and came from Italy. Alongside the church is a tiny museum which houses artefacts and photos from the beginnings of the settlement. Again, we were given a wonderful insight into the lives of the early settlers by another of the women. Lunch was at the Puhoi Pub. This was a delight. The place is stuffed with photos and memorabilia. We had a delicious meal together before heading back to Takapuna via the beautiful bays.

The next day saw us taken across the Harbour Bridge to the Viaduct Basin for a look around the Maritime Museum. Before our tour we had morning tea in an upstairs café – all glass, chrome and cream leather chairs – very Auckland. It

was a pleasure to wander, at our leisure, round the exhibits and read about, listen to, and view all things pertaining to our rich maritime history.

We returned to the hotel at midday in time to walk across the road to the Takapuna Bowling Club. Here, a tasty lunch was served followed by all the delegates and partners being divided into three person teams for a knock-out tournament of bowls on artificial turf. Eventually, after some good and





some wayward bowling, the winning team emerged. This was the 'Australian' team which strangely had two Ozzies in it! Lucky Sunita Varma won a prize for attempting to turn the game into Petanque!

At the Annual Dinner, that night, Jeanette Carey-Smith thanked Lyn and Sunita for the time and effort they had spent in bringing us a memorable two days in their part of the world. Paula Roberts then presented Lyn and Sunita with a gift each from us all.

The next conference is in Hamilton, so do come and join in the fun on the partners' programme.

Monica Logan

## 2014 AUSTRALIAN DELEGATE ~ DEAN FARNSWORTH

Group Environmental Engineer - St John of God Health Care

Dean has over 17 years' experience in the private health care sector and is currently employed by St John of God Health Care Australia as their Group Environmental Engineer. Previous to this position Dean held roles in the private health care sector as a Director of Support Services, Engineering Manager and an electrician. Previous to his work in health care Dean spent nine years in the Australian Army as a Soldier / Tradesman (electrician) in the Royal Australian Engineers. Dean has a Graduate Certificate in Sustainability from Swinburne University of Technology, a Graduate Certificate of Leadership and Catholic Culture from the Australian Catholic University, a Diploma of Management from the University of Ballarat and gained his qualification as an A grade electrician from the Army School of TAFE. Dean is currently studying a Masters of Business Administration (MBA) at Federation University.



## Summary of the Trip to New Zealand

Earlier this year I was lucky enough to be selected to represent the Institute of Hospital Engineering Australia (IHEA) as the Australian ANZEX delegate at the New Zealand Institute of Hospital Engineering (NZIHE) National Conference in Auckland on the 6th and 7th of November 2014.

To take advantage of the trip to New Zealand I flew over a few days earlier and met up with John Black at Middlemore Hospital and Jeff Hodgson at Tauranga Hospital. Both John and Jeff gave me an engineer's tour of their facilities and it was an excellent opportunity to compare how things are done in our two countries. Although some things are done similarly there are certainly lots of differences with the obvious one being the extra burden New Zealand faces with the management of Seismic risk.

I was invited to attend the NZIHE Executive Board meeting which was held the day before the conference. It was a full day and I commend the work that the NZIHE executive does in managing and running the NZIHE so professionally. The two day conference was excellent and the presentations were very informative. The trade night on the Wednesday evening show cased some very useful technologies and equipment.

I was grateful for the opportunity at the conference to present my paper on our organisations Energy Efficient Light Replacement Project.

I would like to congratulate the NZIHE executive, in particular Bill and Lyn MacDougall on staging a very professional and well run conference and I would like to take this opportunity to thank everyone that was involved in the planning and implementation of my visit. In particular I would like to thank the Executive of the NZIHE, Leon Clews, Bill MacDougall, John Black and Jeff Hodgson. And of course I would like to thank the IHEA for selecting me to represent the IHEA in New Zealand.

I thoroughly enjoyed my time In New Zealand and I certainly plan to re visit as soon as I am able.

All the best, Dean



*Renee Montgomery & Alberto Areias of Health Alliance*



*Aquaheat people tidying up for photo shoot*



*A group enjoying the pre-conference night out at the Mexican Bar*



*Robert Pain, WDHB Chief Financial Officer, deputized for the CEO to open the Conference*



*Gold Sponsor Austco's display*



*The Covidien stand (Gold sponsor) was a busy corner all evening*

*Recreation between sessions, and learning a new skill*

