

**PROPOSAL TO HOST**

# **7th International Symposium on Negative Ions, Beams and Sources (NIBS'20)**

**AUCKLAND, NEW ZEALAND**



**THE UNIVERSITY OF  
AUCKLAND**  
Te Whare Wānanga o Tāmaki Makaurau  
NEW ZEALAND



The University of Auckland is proud to present this bid for the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20).

In the spirit of manaakitanga♥ we welcome you to Auckland, New Zealand, with open hearts and open minds.



With support from



♥ **Manaakitanga**

Is the Māori word for hospitality, kindness, generosity or support - the process of showing respect, generosity and care for others.

Mt Heale, Great Barrier Island

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OPEN HEARTS



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OPEN MINDS



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OPEN SPACES



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Open Hearts

# 1. Your Local Hosts

*Ko tātou enei - It's who we are*

# Why Auckland

Thank you for the opportunity to present a proposal for Auckland, New Zealand to be host city for the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20). We look forward to welcoming your delegates to a region where big city style, beautiful landscapes and first-rate facilities come together.

## Inspired choice

As New Zealand's largest city, Auckland is the country's financial and economic powerhouse, and the gateway to the rest of the country. The modern city centre is surrounded by sparkling harbours, native forest, beautiful beaches and scenic wine regions.

## Confident choice

Auckland has a strong track record of hosting seamless and memorable business events involving local and central governments, global and national organisations, and the private sector.

If Auckland is chosen to host The 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20), a wide range of Auckland and New Zealand promotional materials will be made available for use in marketing activity to encourage delegates to come to New Zealand and to save the date for 2020.

## Impressive choice

Auckland is home to a wide range of world-class convention and accommodation choices, from large facilities to boutique options. Most of the main convention centres are a short walk from popular attractions and the city has a myriad of transport options.

## Smart choice

Auckland is a thriving science-hub of the Asia-Pacific region, home to leading universities such as the University of Auckland and Auckland University of Technology. The University of Auckland is internationally recognised for fostering and publishing scientific research of the highest quality and placing first in QS World University Rankings. New Zealand boasts ten Centres of Research Excellence (CoRE) who operate at the leading edge of their field within the international research community. Research in these areas is fundamental to the interests of Auckland and has the potential to make significant contributions to future economic and social development. At the forefront of photonic and quantum technologies is New Zealand's own Dodd-Walls Centre. Their research centres around photonics, the manipulation of light at the most fundamental, quantum level, and the control and manipulation of matter at the atomic scale, through the use of light. Auckland provides access to experts across the field of science, technology and research, making the city the perfect choice for international delegates to connect and collaborate.

## A world of choice

Auckland's Polynesian flavour—including its unique Māori culture—is a major attraction for international visitors; and an abundance of activities and adventures on Auckland's doorstep will excite your delegates.

[Get a taste of New Zealand >](#)

# Choose to have it all in Auckland, New Zealand in 2020.



## HOST CITY

Auckland, New Zealand



## PROPOSED DATES

31<sup>st</sup> August – 4<sup>th</sup> September



## PROPOSED VENUE

The University of Auckland

# Introduction Letter



**Professor John Hosking**

Dean of Science  
The University of Auckland

*"The University of Auckland welcomes the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20) to be held in Auckland, New Zealand"*



**FACULTY OF SCIENCE**  
Professor John Hosking  
BSc, PhD (Auckland), MemIEEE, FRSNZ



Office of the Dean of Science  
The University of Auckland  
Building 302, Level 6, 23 Symonds  
Street, Auckland 1010  
Telephone 64 9 923 7019  
Email: [j.hosking@auckland.ac.nz](mailto:j.hosking@auckland.ac.nz)  
[www.science.auckland.ac.nz](http://www.science.auckland.ac.nz)

9 August 2018

The University of Auckland  
Private Bag 92019  
Auckland, 1142, New Zealand

**To Whom It May Concern**

**Re: 2020 host of the NIBS 2020 Symposium**

Thank you for the opportunity to present the University of Auckland as a host on behalf of New Zealand for the 7<sup>th</sup> International Symposium on Negative Ions, Beams and Sources.

The study of ion sources and nuclear physics has a long tradition in Auckland and has led to both commercial and academic success over the years. Buckley Systems who are also sponsoring this symposium was created out of the research done at Auckland in this area and we are keen to continue this tradition by hosting the next symposium.

Through our collaboration with the Dodd-Walls Centre, Buckley Systems, Tourism New Zealand, Auckland Council and in particular its Auckland Tourism, Events and Economic Development arm (ATEED) we are committed to warmly welcoming delegates to Auckland. The University of Auckland's main campus is located within Auckland's compact city centre, an easy walk to the city's best galleries, theatres, restaurants and its stunning waterfront.

The University of Auckland has hosted numerous conferences and has its own conference events team and facilities. It is an opportunity to showcase our professionalism, hospitality and expertise in bringing together the international community of researchers and ensuring a productive, rewarding and meaningful programme of activities.

I offer the University's full support in delivering an exciting, future-focused and well-organised event.

Yours sincerely

**Professor John Hosking**  
Dean of Science

# LETTERS OF SUPPORT



1 August 2018

Dr. Yuri Belchenko, Chair  
NIBS-18 Organizing Committee  
Budker INP  
Lavrentiev av. 11, Novosibirsk  
630090 Russia

Dear Dr. Yuri Belchenko,

Thank you for the opportunity to present Auckland's credentials as a candidate for hosting the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20). I would officially like to invite this group to Auckland, New Zealand.

Each and every one of your guests can be assured of a warm welcome to Auckland and an opportunity to sample the best of Kiwi hospitality and friendliness.

Auckland enjoys a unique mix of magnificent natural features, a rich and distinctive cultural heritage, well supported with 'big city' sophistication: exceptional galleries, theatres, shopping and restaurants. Set on three harbours, it is bounded by rainforests, beaches and numerous islands. These natural wonders are all within 40 minutes of a globally connected and cosmopolitan central business district.

Auckland is a vibrant city and has been ranked third internationally for its quality of living. Auckland is at the forefront of hosting international events in New Zealand. It offers excellent infrastructure provided by a professional industry, centralised event facilities and has a worldwide reputation for top hospitality. Auckland is the home of New Zealand's major international airport and receives a frequency of flights unparalleled by any other city in the country.

We look forward to welcoming your many guests from around the world to our city in 2020.

Nau mai, Haere mai.

Yours sincerely

Phil Goff  
MAYOR OF AUCKLAND



31 July 2018

Dr. Yuri Belchenko, Chair  
NIBS-18 Organizing Committee  
Budker INP  
Lavrentiev av. 11, Novosibirsk  
630090 Russia

Dear Dr Belchenko,

Thank you for the opportunity to present Auckland as a destination for hosting the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20) in 2020.

With a culturally diverse population of 1.6 million and growing, Auckland is the financial and economic powerhouse of New Zealand, contributing 38 per cent of the national gross domestic product.

Auckland Tourism, Events and Economic Development (ATEED) is Auckland's economic growth agency and is working to stimulate a culture of innovation and entrepreneurship with a focus on creating quality jobs for all Aucklanders.

As a destination, Auckland has an exciting combination of magnificent scenery, including stunning harbours and islands, native forests, black-sand beaches alongside a vibrant city lifestyle – delivering an exceptional array of tourism and Māori cultural experiences, fine food and wine, and world-class facilities.

Auckland's compact city centre means everything is in close proximity, with a range of accommodation available for all budgets, along with attractions and conference venues, all within easy reach.

Getting to Auckland has never been easier with 30 international airlines flying direct to Auckland from 43 destinations into Auckland International Airport.

You can be assured of thorough professionalism and strong support for your conference in Auckland, coupled with our unique personal touch which will make your event a highly memorable and successful experience.

We look forward to welcoming the delegates attending NIBS'20.

Yours sincerely

Steve Armitage  
General Manager - Destination





5 Bowen Road, Mt Wellington  
PO Box 13904, Penrose  
Auckland 1042, New Zealand  
T +64 9 573 2200 F +64 9 573 0000  
buckley@buckley.com  
09 573 2200

26 July 2018

Attn : **Dr. Yuri Belchenko, Chair  
NIBS-18 Organizing Committee  
Budker INP  
Lavrentiev av. 11, Novosibirsk  
630090 Russia**

Dear Dr. Belchenko & NIBS IPC

**Re: University of Auckland Bid to Host NIBS 2020**

Buckley Systems Ltd is excited to support the University of Auckland's bid to host The 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20) in September 2020.

As a world leader in the manufacture of precision electromagnets and accelerator components including negative ion sources for the global commercial and research accelerator market, we are very pleased to invite NIBS 2020 to New Zealand, where we have committed to providing a tour of our manufacturing facility and of our Buckley's/D-Pace Ion Source Test Facility as a key NIBS2020 conference event.

Buckley Systems Ltd collaborates strongly with the University of Auckland, UBC/TRIUMF and D-Pace by providing an Ion Source Test Facility platform at our factory where PhD students can undertake their negative and positive ion research (3 PhD students at present), and where global ion source scientists (such as Dr. Kalvas from University of Jyväskylä in June of this year) can visit for collaborative experiments, or where intern PhD students from other universities can do the same (i.e. we are co-ordinating a visit for Yuji Shimabukuro from the Plasma Physics Laboratory at Doshisha University for January/February 2019).

We encourage the NIBS 2020 conference as a significant opportunity to link New Zealand's universities, regional research institutes (GNS, ANSTO, and the Dodd-Walls Centre for Photonic & Quantum Technologies), and industry to the world of negative ion technology, which is playing an increasingly important role in research, medicine, and industry.

Sincerely,

Bill Dodge, CEO  
Buckley Systems Ltd.



**The Dodd-Walls Centre**  
for Photonic and Quantum Technologies

27 July 2018

Dr. Yuri Belchenko, Chair  
NIBS-18 Organizing Committee  
Budker INP  
Lavrentiev av. 11, Novosibirsk  
630090 Russia

Dear Dr Belchenko

**Letter of Support for the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20) to be held at Auckland University of Technology.**

The Dodd-Walls Centre will commit to supporting the conference. I envisage something in the order of a couple of thousand dollars plus a couple of registrations.

The Dodd-Walls Centre values its relationship with Buckley Systems and D-Pace very highly. Both are examples of the sort of high value, science-intensive industries that New Zealand needs and we are delighted to be able to help with bringing this conference to New Zealand.

Yours sincerely

Professor David Hutchinson  
Director  
Dodd-Walls Centre

New Zealand Centre of Research Excellence  
Hosted by the University of Otago

PO Box 56, Dunedin, New Zealand 9054  
Web: [doddwalls.ac.nz](http://doddwalls.ac.nz) Email: [dwc.director@otago.ac.nz](mailto:dwc.director@otago.ac.nz) Phone: +64 3 479 7973

## LETTERS OF SUPPORT



6 August 2018

To whom it may concern

**Re: Negative Ion Beams and Sourcing Conference 2020**

New Zealand Trade and Enterprise (NZTE) is New Zealand's international business development agency. We help New Zealand businesses grow bigger, better, faster in international markets.

I understand that the University of Auckland Physics Department and Buckley Systems Limited are putting in a bid to host the Negative Ion Beams and Sources (NIBS) conference in Auckland in 2020. The field of particle acceleration is one of the innovative New Zealand industries we support, and NZTE has no hesitation in supporting the proposal to hold that conference in Auckland.

Auckland is a beautiful city with all the first class facilities needed to make an international conference highly successful.

Kind regards

Peter Chrisp  
Chief Executive

T +64 4 816 8100 F +64 816 8101 w: nzte.govt.nz www.newzealand.com/business

Level 15, The Majestic Centre, 100 Willis Street, Wellington 6011, New Zealand PO Box 2878, Wellington 6140, New Zealand



3 August 2018

Attn : **Dr. Yuri Belchenko, Chair**  
**NIBS-18 Organizing Committee**  
**Budker INP**  
Lavrentiev av. 11, Novosibirsk  
630090 Russia

Dear Dr. Belchenko &amp; NIBS IPC

**Re: University of Auckland Bid to Host NIBS 2020**

D-Pace Inc. is proud to support the University of Auckland's bid to host The 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20) in September 2020.

D-Pace undertakes R&D to develop negative ion source products, beam diagnostic devices, beamline systems, and magnets; which we then market and sell around the globe. These products are manufactured at our parent company, Buckley Systems Ltd in Auckland, NZ.

D-Pace has worked very closely with TRIUMF and the University of Jyväskylä by way of licensing their respective negative ion source technologies, and then collaboratively developing and commercializing their filament and RF ion source technologies at the joint D-Pace/Buckley Systems: Ion Source Test Facility (ISTF). By way of the ISTF, we have made a major effort to introduce the Australasia area to negative ion beams & sources & plasma science. For example, we have Ph.D. students from U. Auckland and UBC/TRIUMF undertaking R&D at the ISTF involving  $H^-$ ,  $D^-$ , and  $C_2^-$ . We have an SFU Master's degree student starting later in 2018. In addition, we have welcomed either scientists or students from U. Jyväskylä, GNS, U. Otago, and we are in process to arrange an internship with a PhD student from Doshisha University.

Not only is D-Pace keen to advance negative ion beam science worldwide through its ongoing sponsorship of NIBS and through provision of the NIBS prize, it also wishes to initiate the Australasia area into this area of discovery science. ANSTO & GNS utilize negative ion sources already, and U. Auckland via the ISTF and its Physics Department and its connections with the Dodd-Walls Centre is beginning to gain traction in negative ion beam science. Hosting NIBS'20 will very much help U. Auckland to reach critical mass in terms of negative ion science by fostering important connections to the global negative ion beams and sources community.

Sincerely,

Morgan Dehnel Ph.D., P.Eng.  
Founder & Chief Science and Innovation Officer

P.O. Box 201  
Nelson, B.C., Canada  
V1L 5P9

250-352-5162

www.d-pace.com

Dehnel - Particle Accelerator Components & Engineering, Inc.

LETTERS OF SUPPORT



**100% PURE  
NEW ZEALAND**  
newzealand.com

**TOURISM NEW ZEALAND – MAMAKITANGA AOTEAROA**  
Level 1, 1 Nelson Street, Auckland 1010  
PO Box 91 103, Auckland 1143  
New Zealand  
+64 9 914 4783 +64 9 914 4783

26 July 2018

Dr. Yuri Belchenko, Chair  
NIBS-18 Organizing Committee  
Budker INP  
Lavrentiev av. 11, Novosibirsk  
630090 Russia

Dear Dr Belchenko,

I would like to express my support for the 7th International Symposium on Negative Ions, Beams and Sources, 2020 to be held here in Auckland in 2020.

Auckland is a stunning city with a beautiful harbour. It is also a compact, walkable city, boasting world-class conference facilities and accommodation that will add to the success of your conference.

There is so much for your delegates to see and do in Auckland, the surrounding region and the rest of New Zealand. And the best thing about it is that everything is so close. A 90-minute flight would take you from Auckland's cosmopolitan nightlife and beaches to the snow-capped mountains and adventure experiences of Queenstown in the South Island.

Choosing to hold your conference in New Zealand will provide your delegates with a memorable experience they will be talking about for many years to come.

I hope to welcome you and your conference to New Zealand in 2020.

Yours sincerely,

Stephen England-Hall  
Chief Executive



## ADDITIONAL SUPPORT



*"The Australian Nuclear Science and Technology Organisation (ANSTO) in Sydney is home to Australia's nuclear science and technical expertise.*

*More than 1000 scientists, engineers and experts work at ANSTO and use nuclear science and technology to answer the big questions in the world around us—improving health outcomes, increasing our understanding of the environment and climate change and identifying new opportunities for Australian industry.*

*We operate much of our country's landmark science facilities including one of the world's most modern nuclear research reactors (OPAL) producing nuclear medicine for Australia and the region. ANSTO operates other large infrastructure including four tandem accelerators from 1MV to 10MV, three cyclotrons and the Australian Synchrotron in Melbourne to provide a wide range of nuclear based capabilities for scientific and industrial research.*

*Fundamental to the very beginning of each of these processes is the ability to produce negative ions for Accelerator Mass Spectroscopy (AMS), Ion Beam techniques of Analysis (IBA), or even to produce nuclear medicines for treatments and imaging. High quality reliable negative ion beams are very important and keeping abreast of the latest advances and directions in this field is vital to our success. We support the Negative Ion Beams and Sources conference, NIBS, in Auckland in 2020 and look forward to contributing support and participating in this valuable conference in the near future."*

**David Button**

Senior Instrumentation Technician Accelerator Systems Development Group (ANSTO)



Auckland Harbour Bridge lit during Vector Lights

HOST INSTITUTION

# University of Auckland

The University of Auckland is proud to be bidding to host the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20)

The University has 42,000 students of whom 7,000 are international students from more than 120 countries enrolled in all levels of study within the University.

Around 70% of our international students come from Asia. Almost half of the University's doctoral candidates are international students, reflecting our commitment to international research and scholarship. The University is a member of three international universities networks—the Worldwide University Network, Universitas 21 and the Association of Pacific Rim Universities—and is actively involved in the missions and leadership of all three networks.

These network partnerships are bolstered by over 100 bilateral agreements for academic cooperation and student and staff exchange with leading international universities across the Asia-Pacific and around the world.

The Faculty of Science contains a number of world leading research centres including the Dodd-Walls Centre for Photonic and Quantum Technologies and the MacDiarmid Centre for nanoscience.

The Dodd-Walls Centre (DWC) is a co-sponsor of the conference and is in partnership with the University of Otago. Its researchers are among the world leaders in photonics and its applications in all areas of technology include diagnostics for ion sources.

Within the faculty is the department of Physics which has a long tradition of research into ion sources and related physics.

Buckley systems, now a leading NZ company, was started by researchers from the department and today that spirit of world leading applied science remains embedded in the department. The department is pleased to be a part of NIBS'20 and warmly welcomes the researchers to Auckland.



The University of Auckland, Clock Tower

SPONSORS



Evening view of Auckland city from Kingsland



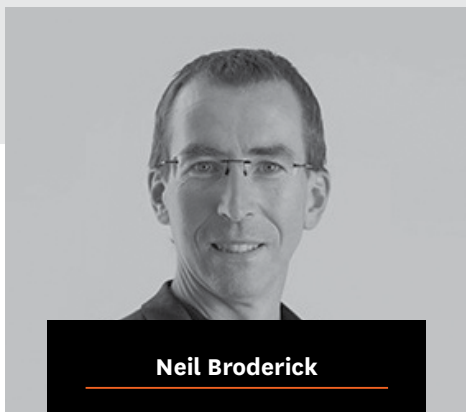
Open Minds

## 2. Conference Information & Support

*Wānanga – to meet and discuss, deliberate, consider*

# Meet the Team

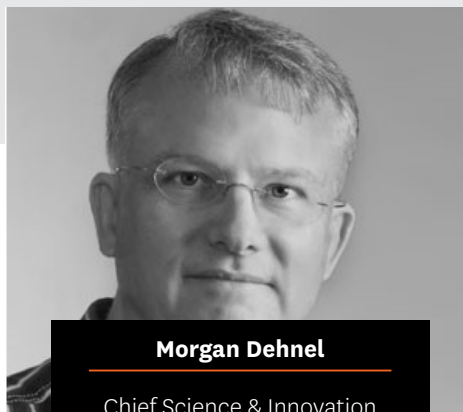
The University of Auckland has established the following governance for the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20).



**Neil Broderick**

Professor  
**The University of Auckland**

NIBS'20 Local Organising  
Committee, Chairperson



**Morgan Dehnel**

Chief Science & Innovation  
Officer

**Buckley Systems Group**

NIBS'20 Support and  
Sponsorship Coordinator



**Cheryl Barnett**

Executive Assistant  
**Buckley Systems Ltd**

NIBS'20 Conference Tour  
Coordinator



# Proposed Programme

## SUNDAY

30<sup>th</sup> August 2020

6 pm

- Registration open
- Sponsor booth set-up
- Welcome wine and cheese

## MONDAY

31<sup>st</sup> August 2020

Conference talks from 9 am to 4 pm

- Coffee break
- Two hour lunch
- Afternoon coffee break
- Poster sessions

## TUESDAY

1<sup>st</sup> September 2020

Conference talks from 9 am to 4 pm

- Registration open
- Coffee break
- Two hour lunch
- Afternoon coffee break
- Poster sessions

## WEDNESDAY

2<sup>nd</sup> September 2020

Conference talks from 9 am to 12 pm

- Registration open
- Coffee break
- Lunch
- Buckley Systems Factory and Ion Source Test Facility tour

## THURSDAY

3<sup>rd</sup> September 2020

Conference talks from 9 am to 4 pm

- Sponsor booth take down
- Coffee break
- Two hour lunch
- Afternoon coffee break
- Poster sessions
- Conference dinner
- NIBS Award

## FRIDAY

4<sup>th</sup> September 2020

Conference talks from 9 am-12 pm

- Coffee break
- End of conference

## CONFERENCE VENUE OPTION

# The University of Auckland

New Zealand's world-ranked university.

The University of Auckland is the highest ranked New Zealand university in the QS World University Rankings.

Placed #82 in the world, the University is the only New Zealand university in the top 100.

The City Campus is right in the heart of Auckland, within walking distance of all the main cultural, entertainment and commercial hubs.

Harbour views and access to the green slopes of Albert Park add to the appeal.

The campus has a full range of amenities including cafes, health services, libraries, childcare facilities and a recreation centre.

With world-class facilities and a central location, it also makes an ideal conference venue.

## Main Foyer

The spacious design of the Main Foyer on Level 1 provides a dynamic entrance to the Owen G Glenn Building (OGGB) making it ideal for registration, cocktail receptions, exhibitions, awards dinner and conference breaks.



Owen G Glenn Building

## CONFERENCE VENUE OPTION

### Conference Lecture Room

Lecture Theatre 260-092 (OGGB 3)	289
Lecture Theatre 260-073 (OGGB 4)	291

### Speaker Preparation Rooms

16 other seminar/meeting rooms of various sizes—maximum 50

The foyer has a maximum standing capacity of 400.

### Lecture Theatre Technology

The OGGB lecture theatres are equipped with the following:

- Dual screens
- Dual projectors
- Lecture computer
- VHS/DVD player
- Aux's input RCA cable for VHS or DVD player and sound input which are RCA
- DOC Camera
- Touch amx controller system for control of MIC Lights and data projectors
- Lapel microphone
- Lecture microphone

### Additional benefits:

- Free WiFi
- On-site parking
- On-site ATM



Owen G Glenn Building

CONFERENCE TOUR

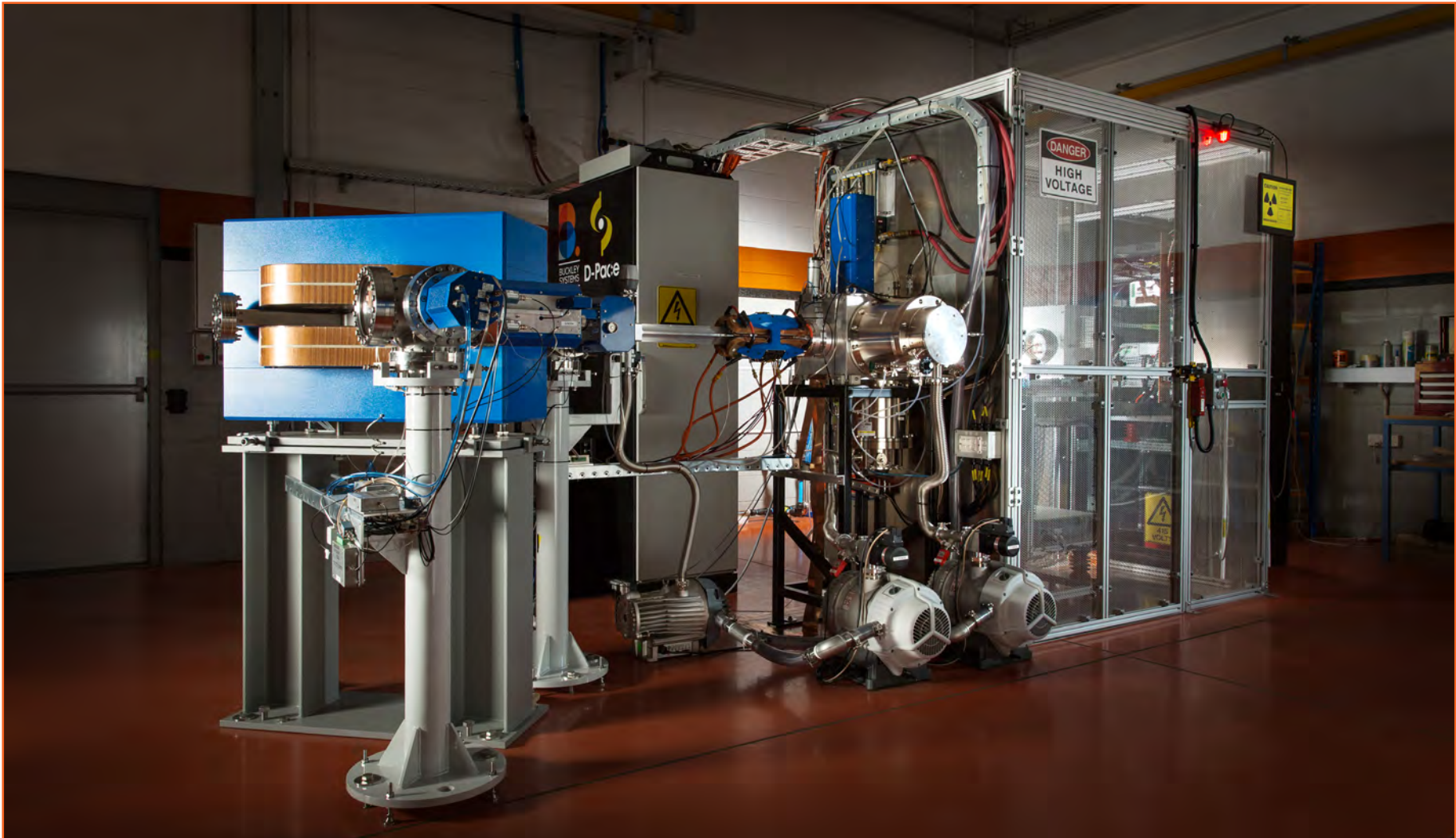
# Buckley Systems Tour

Buckley Systems is a world-leading manufacturer of precision electromagnets and accelerator components for semiconductor, medical, research, and industrial applications. The company has an annual turnover of near to \$100M NZD. The scale and capabilities of the factory will be of interest to the many scientists and engineers attending. In addition, D-Pace/Buckley's Ion Source Test Facility (ISTF) can be seen.

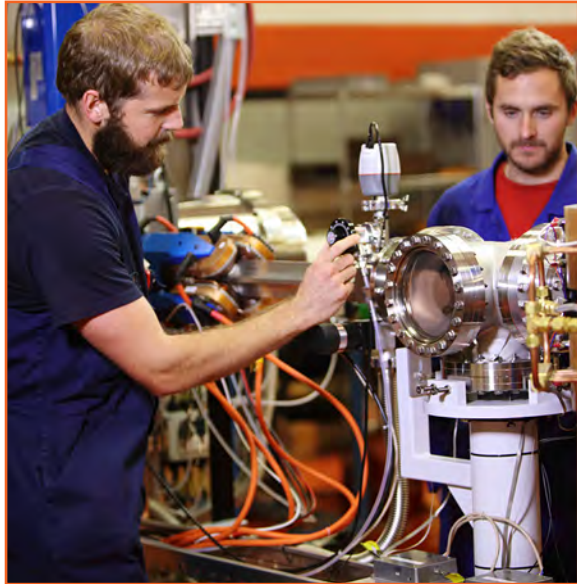
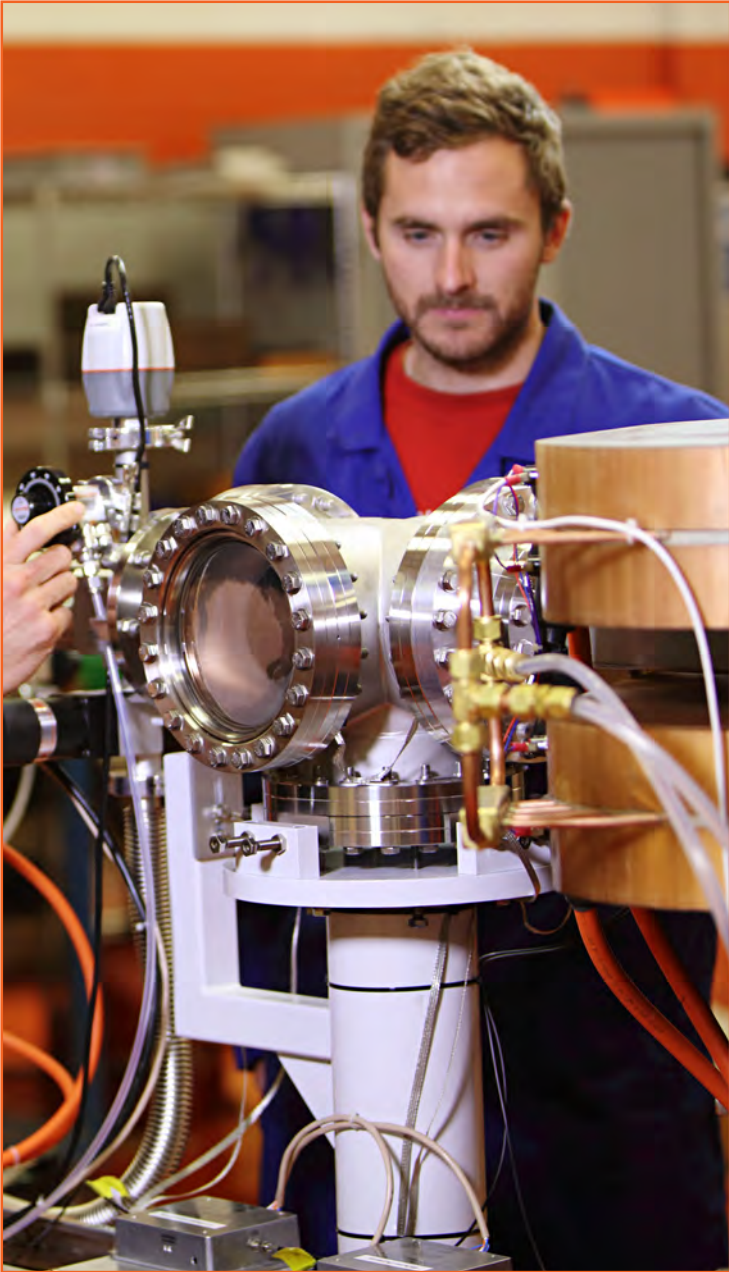


## CONFERENCE TOUR

The Buckley's/D-Pace Ion Source Test Facility (ISTF) is utilised to undertake research on H<sup>-</sup>, D<sup>-</sup>, and C<sup>2-</sup> negative ion beams through the efforts of students seeking their PhD degrees at the University of Auckland and University of British Columbia/TRI-University Meson Facility.



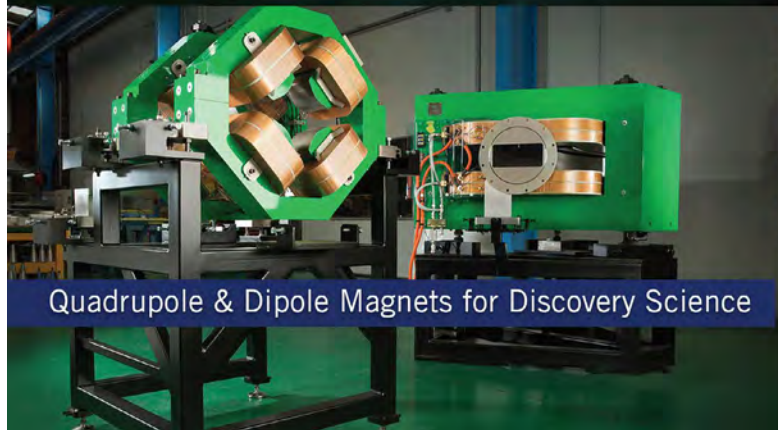
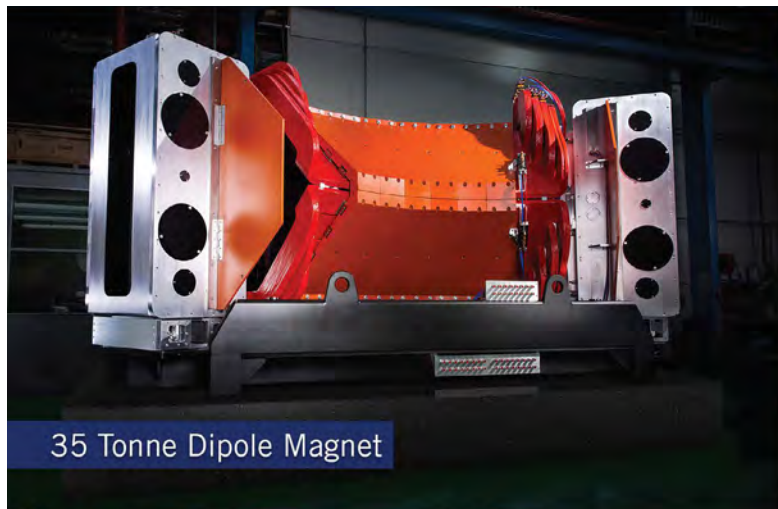
CONFERENCE TOUR



## CONFERENCE TOUR

World leaders in manufacturing high precision electromagnets and associated accelerator components.

- Magnets
- UHV Vacuum chambers
- RF Resonators
- Beamline Instruments
- Ion Sources
- Physics Design
- Mechanical Design
- Manufacture
- Verification



GALA DINNER

# Fale Pasifika

Delegates will be inspired as they gather to celebrate and connect in the memorable surroundings of Fale Pasifika at the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20).



## Fale Pasifika

The Fale Pasifika is an iconic building on the University of Auckland campus and plays an important role as the touch-point between the University and Pacific communities. It is also the second largest structure of its kind in the world.

In most Pacific communities, the role that a central structure, such as the Fale Pasifika, has in the setting of a 'village green' or malae (marae), is to be the centre of focus for communal activities.

A fale is more than just a physical structure: it is a point of reference for activities central to cultural expression and it gives a sense of place and community. Equally, the University's Fale Pasifika, plays a similar role in our outreach and relationship with Pacific communities.





## FINANCIAL FEASIBILITY

All prices are in NZD and include GST of 15%.

The following is a summary of the preliminary budget developed for 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20). The figures below are in NZD based on 130 delegates and exclude GST 15%.

Standard Registration is kept to \$500 USD, and Student Registration is kept to \$250 USD.

REVENUE						FORECAST
						NZD
REGISTRATION	REGISTRATION PRICE NZD (EX GST)	ADVERTISED PRICE NZD (INC GST)	USD CONVERSION 0.67	% REGISTRATION		130
<b>Early-bird</b>						
Standard Registration	\$647.83	\$745.00	\$499.15	58%		\$48,846.09
Students/Retired Scientists Registration	\$326.09	\$375.00	\$251.25	17%		\$7,206.52
<b>Standard</b>						
Standard Registration	\$778.26	\$895.00	\$599.65	15%		\$15,176.09
Students/Retired Scientists Registration	\$413.04	\$475.00	\$318.25	5%		\$2,684.78
Complimentary	\$-	\$-	\$-	5%		
						100%
<b>TOTAL REGISTRATION REVENUE</b>						<b>\$73,913.48</b>
<b>Additional Revenue</b>		<b>Values (ex GST)</b>		<b>Additional Uptake</b>		
Gala dinner (guest)	\$86.96	\$100.00	\$67.00	5%		\$565.22
Gala dinner (delegate)	\$86.96	\$100.00	\$67.00	80%		\$9,043.48
<b>TOTAL ADDITIONAL REVENUE</b>						<b>\$9,608.70</b>
<b>Sponsorship And Exhibition</b>		<b>Values (Ex Gst)</b>		<b>Qty</b>		
Sponsorship Target	\$14,900.00		\$10,000.00		1	\$14,900.00
<b>TOTAL SPONSORSHIP REVENUE</b>						<b>\$14,900.00</b>
<b>TOTAL REVENUE</b>						<b>\$98,422.17</b>
<b>EXPENDITURE</b>						
<b>EVENT MANAGEMENT FEES</b>		<b>EX GST</b>				<b>NET</b>
Event Management, Per Person	\$95.00					\$12,350.00
Registration Fee, Per Person	\$5.95					\$773.50
Submission Management, Per Abstract	\$30.00			90%		\$3,510.00
Website Management	\$1,600.00					\$1,600.00
Sponsorship Management (5%)	5%					\$745.00
<b>TOTAL EVENT MANAGEMENT FEES</b>						<b>\$18,978.50</b>
<b>THIRD PARTY SERVICE CHARGE</b>						<b>NET</b>
Credit card charges	2.50%					\$2,088.05
<b>TOTAL THIRD PARTY SERVICE CHARGE</b>						<b>\$2,088.05</b>

## FINANCIAL FEASIBILITY

FIXED COSTS	EX GST	QTY	NET
<b>MARKETING / DESIGN</b>			<b>\$2,350.00</b>
Sponsorship prospectus	\$250.00	1	\$250.00
Logo & web banner (brand development)	\$600.00	1	\$600.00
Handbook (pdf/e-book/print) design & development	\$750.00	1	\$750.00
Name tag design & merge	\$350.00	1	\$350.00
Miscellaneous design (signage, maps, slides)	\$250.00	1	\$250.00
Website development (Hosting, images, template)	\$150.00	1	\$150.00
<b>CONFERENCE VENUE (UNIVERSITY OF AUCKLAND, OGGB)</b>			<b>\$1,250.00</b>
UoA Foyers and Plenary (incl. of existing room AV)	\$4,000.00	5	\$20,000.00
UoA Venue Sponsorship in kind			-\$20,000.00
Set-up fees	\$600.00	1	\$600.00
Audio-Visual	\$250.00	1	\$250.00
Signage	\$100.00	1	\$100.00
Registration desk	\$300.00	1	\$300.00
<b>WELCOME RECEPTION VENUE (UNIVERSITY OF AUCKLAND, OGGB)</b>			<b>\$1,020.00</b>
Set-up fees	\$300.00	1	\$300.00
Audio-visual	\$150.00	1	\$150.00
Bar leaners	\$57.00	10	\$570.00
<b>CONFERENCE DINNER VENUE (UNIVERSITY OF AUCKLAND, FALE PASIFIKA)</b>			<b>\$4,250.00</b>
Venue hire	\$1,750.00	1	\$1,750.00
Audio-visual	\$1,000.00	1	\$1,000.00
Entertainment	\$1,500.00	1	\$1,500.00
<b>SPONSORSHIP &amp; EXHIBITION</b>			<b>\$2,025.00</b>
Exhibition equipment (booths)	\$450.00	3	\$1,350.00
Poster exhibition equipment	\$45.00	15	\$675.00
<b>BUCKLEY SYSTEMS FACTORY &amp; ION SOURCE TEST FACILITY TOUR</b>			<b>\$1,600.00</b>
Transport (buses to Mount Wellington, return, 136 pax)	\$1,600.00	1	\$1,600.00
<b>MISCELLANEOUS</b>			<b>\$800.00</b>
Photographer	\$200.00	1	\$200.00
Powhiri Koha	\$600.00	1	\$600.00
<b>ADMIN</b>			<b>\$250.00</b>
Couriers	\$100.00	1	\$100.00
Sundry stationery	\$150.00	1	\$150.00
<b>TOTAL FIXED COSTS</b>			<b>\$13,545.00</b>

## FINANCIAL FEASIBILITY

VARIABLE COSTS	EX GST	QTY	NET
<b>CONFERENCE CATERING</b>			<b>\$39,000.00</b>
Day Delegate package (x5 days)	\$60.00	5	\$39,000.00
<b>WELCOME RECEPTION CATERING</b>			<b>\$3,952.00</b>
Catering (canapes)	\$20.00	80%	\$2,080.00
Beverages	\$18.00	80%	\$1,872.00
<b>CONFERENCE DINNER CATERING</b>			<b>\$10,530.00</b>
Catering (buffet)	\$65.00	90%	\$7,605.00
Beverages	\$25.00	90%	\$2,925.00
<b>MATERIALS</b>			<b>\$2,210.00</b>
Name Tag & Branded Lanyard	\$5.00		\$650.00
Handbook w/ Abstracts	\$12.00		\$1,560.00
<b>TOTAL VARIABLE COSTS</b>			<b>\$55,692.00</b>
<b>TOTAL EXPENDITURE</b>			<b>\$90,303.55</b>
<b>TOTAL SURPLUS (NZD)</b>			<b>\$8,118.62</b>
<b>Contingency 5%</b>			<b>\$4,515.18</b>
<b>TOTAL SURPLUS (NZD)</b>			<b>\$3,603.44</b>
<b>TOTAL SURPLUS (USD CONVERSION 0.67)</b>			<b>\$2,414.31</b>

# Local Expertise

Local and central government strongly support conferences in Auckland.



## Auckland Convention Bureau

Auckland Convention Bureau (ACB) is part of Auckland Tourism, Events and Economic Development (ATEED) —Auckland’s economic growth agency and an Auckland Council-controlled organisation. ATEED supports and enhances Auckland’s ability to compete internationally, and to fuel the growth of the region’s industry sectors of competitive advantage through collaboration.

ACB helps conference planners create unforgettable events from start to finish, including:

- Creating customised bid documents and presentation material for bid submission
- Free, impartial advice on venues, accommodation, activities and service providers
- Site inspections to familiarise you with Auckland’s infrastructure
- Marketing materials such as brochures, imagery and DVDs to help drive delegate numbers
- Online access to professional photographs for use in conference marketing materials
- Linking your conference website to [aucklandnz.com](http://aucklandnz.com) to let your delegates explore what Auckland has to offer.

[aucklandnz.com/meet](http://aucklandnz.com/meet)

## Tourism New Zealand

Tourism New Zealand, New Zealand’s National Tourism Organisation, is committed to making every conference a success.

Tourism New Zealand’s Conference Assistance Programme offers practical and financial assistance to organisations that want to host a conference in New Zealand by:

- Funding delegate marketing activity to help boost international delegate attendance
- Providing access to materials, promotional videos and marketing collateral
- Providing local expertise and knowledge on pre and post touring ideas throughout New Zealand.

[businesssevents.newzealand.com](http://businesssevents.newzealand.com)



Open Spaces

### 3. Conference Destination

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*Manaaki Manuhiri – Honouring Our Guests*

# International Access

Auckland is the most connected city in New Zealand, with regular flights to and from Europe. Facilitating daily flights to all of the country's main centres and popular tourist destinations.



It is approximately an 11 hour direct flight from most places in the Pacific Rim, including Singapore, Hong Kong, Tokyo and the West Coast of the USA and it is only a three hour flight for neighbouring Pacific Islands and the eastern seaboard of Australia.

# Knowledge and Technology Capital

Auckland is an innovative globally connected city and the economic powerhouse of New Zealand—a country ranked first in the world for ease of doing business.



Auckland is internationally regarded as a business friendly, innovation-oriented city, with a diverse and growing population.

Ranked as the fifth most innovative city in ASEAN and Oceania in 2016/17, Auckland is home to over half of New Zealand's innovation led advanced industries, with over 21,000 innovation intensive firms and almost 85,000 employees. 82 percent of Auckland firms innovate and 44 percent undertook R&D in 2016/17.

As the base for many of New Zealand's leading companies, frontier firms and numerous world-leading multinationals, Auckland is a city on the move. It is the heart of New Zealand's technology, commercial services, food and beverage processing and advanced material and has seen the creation of a range of innovative companies producing leading-edge products ranging from digital media to medical devices.

We are home to three universities, with the country's largest university, The University of Auckland, New Zealand's pre-eminent research-led institution specialising in areas such as biosciences and advanced materials, ranking amongst the world's top 200 universities.

Auckland's Innovation Ecosystem is spread across the region, with its heart in GridAKL, the Innovation precinct at Wynyard Quarter in Auckland's CBD. Auckland is also home to innovation hubs such as the The FoodBowl—Te Ipu Kai, is a state-of-the-art facility designed to help food and beverage (F&B) companies test or produce new products for local and export markets, and the AR/VR Garage, home to AR/VR entrepreneurs and start-ups.

Auckland is home to key industry clusters including, but not limited to:

- Technology
- Commercial Services
- Advanced Materials
- Food and Beverage
- Creative
- Screen
- Tourism
- International Education
- Construction and Engineering

# ACCOMMODATION



**7,000**

**AUCKLAND'S CBD ALONE**  
OFFERS MORE THAN 7,000 ROOMS FROM 5 TO 2-STAR

7TH INTERNATIONAL SYMPOSIUM ON NEGATIVE IONS, BEAMS AND SOURCES (NIBS'20) AUCKLAND, NEW ZEALAND CONFERENCE DESTINATION



Auckland Harbour Bridge

Rangitoto Island

Waiheke Island

Hilton Auckland

M Social Auckland

Grand Mercure Auckland

JUCY Snooze Auckland

Stamford Plaza Auckland

Sofitel Auckland Viaduct Harbour

The Sebel Auckland Viaduct Harbour

Ryldges Auckland

Crowne Plaza Auckland

Base Backpackers Auckland

Pullman Auckland

Horizon Hotel

Aotea Square

Silverfern Backpackers

Nomads Auckland Backpackers Hostel

Copthorne Hotel Auckland City

ibis Budget Auckland Central

SKYCITY Grand Hotel/SKYCITY Hotel

NZICC

YHA Auckland City

Scenic Hotel Auckland

Grand Millennium Auckland

Cordis, Auckland

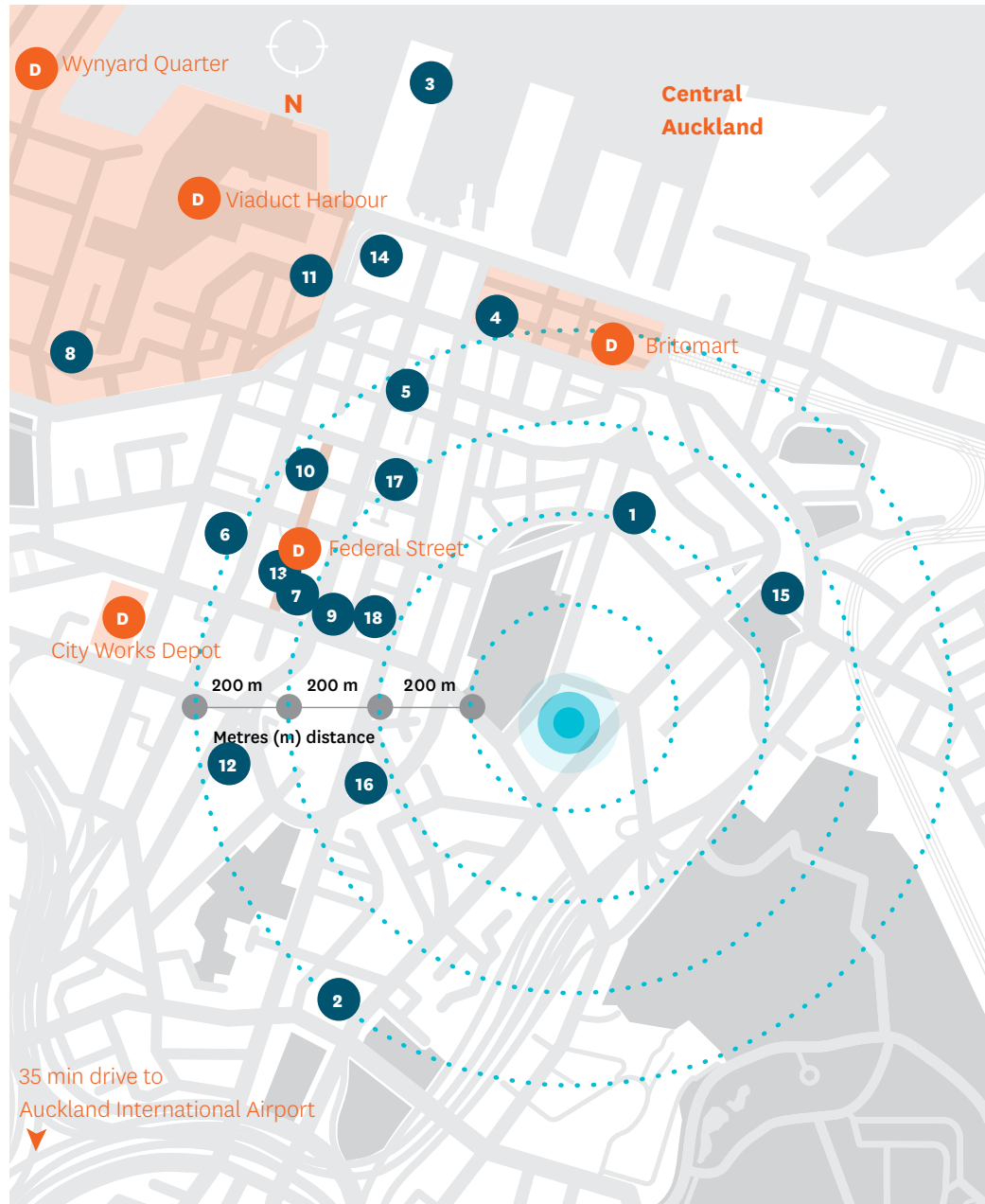
300m

Auckland CBD



## PROXIMITY MAP

Accommodation providers and dining precincts within close proximity to the proposed conference venue:



**The University of Auckland**

	Accommodation Provider	Qualmark Rating
1	Pullman Auckland	5
2	Cordis, Auckland	5
3	Hilton Auckland	5
4	Grand Mercure Auckland	5*
5	Stamford Plaza Auckland	5
6	Hobson Street Hotel	5
7	SKYCITY Grand Hotel	5
8	Sofitel Auckland Viaduct Harbour	5
9	Crowne Plaza Auckland	4+
10	Rydges Auckland	4+
11	The Sebel Auckland Viaduct Harbour	4+
12	Grand Millennium Auckland	4+
13	SKYCITY Hotel	4+
14	M Social Auckland	4+
15	Copthorne Hotel Auckland City	4
16	Scenic Hotel Auckland	4*
17	ibis Budget Auckland Central	3
18	Base Backpackers Auckland	Backpackers
D	Auckland dining precincts	

Qualmark is New Zealand's star grading system for ranking accommodation providers and venues. Rates from Backpackers are based on 4 person rooms. \*Self rated

## TRANSPORT OPTIONS

# Getting around Auckland



## Airport Transfers

The central business district is just 25km from Auckland Airport. The SkyBus provides a frequent service between the airport and inner city hotels at a cost of NZ\$35 return or NZ\$18 one way. A shuttle service (share ride option) is available at NZ\$30 for the first passenger and NZ\$8 for each additional passenger to a maximum of seven passengers. The 35 minute taxi ride from the airport to central business district costs approximately NZ\$70. (Prices are correct as at December 2017 and subject to change).

Once delegates have arrived in the central city, the compact footprint means that it's easy to get around on foot or by public transport.



## Walk

Auckland is perfect for exploring on foot, from vibrant waterfront precincts to beautiful city parks and gardens.



## Cycle

Keen cyclists can start their morning with a flat ride along Auckland's beautiful waterfront and be back in plenty of time for breakfast.



## Public transport

Auckland's public transport network is a great way to get around the city. From Britomart, the central transport centre, delegates can travel by train or bus to most major attractions in Auckland.



## Ferries

Auckland's Waitematā Harbour and Hauraki Gulf are full of breathtaking sights and natural wonders. From short sightseeing trips to full-day island tours, ferries are a great way to explore harbourside suburbs, and Auckland's nautical playground.



## Coaches

Auckland's reliable and professional bus and limousine companies will help plan your logistics, and then deliver a stylish service no matter your group's size. From large luxury coaches to limousines, Auckland has an option to suit.



Public Transport, Britomart

## EXPERIENCE AUCKLAND

Auckland is more than a city, it's a region of contrasts waiting to be explored.



### NORTH SHORE AND HIBISCUS COAST

Head north and discover the ultimate laid-back lifestyle, where great food is always close at hand and the sea is your constant companion.



### HAURAKI GULF AND ISLANDS

Discover tranquil islands lined with golden-sand beaches, walk up Auckland's youngest volcano, or go kayaking, sailing or dolphin spotting in the harbour.



### WEST AUCKLAND

Journey into a region of natural wonders. Experience the rugged beauty of the wild west coast beaches and visit Auckland's oldest wine region.



### CENTRAL CITY AND SURROUNDS

World-class shopping, buzzing waterfront precincts lined with restaurants, a vibrant arts and culture scene and harbour adventures right on your doorstep.



### EAST AND SOUTH-EAST AUCKLAND

Sparkling blue waters, white-sand beaches, rolling countryside, boutique vineyards and the largest native forest in the Auckland region.



### SOUTH AUCKLAND

Auckland's south is a melting pot of cultures from around the world, a place where history, adventure and beautiful landscapes combine.

# Entry to New Zealand is easy with a little preparation

## Visa waiver countries

If your delegates are Australian citizens or residents, or citizens of a country which has a visa waiver agreement with New Zealand, they do not have to apply for a visa. However, they will need to show that they are a genuine visitor, have enough money for their stay and have a travel ticket out of New Zealand.

## Non-visa waiver countries

Delegates from non-visa waiver countries will need to apply for a visa at least 30 days before travelling to New Zealand.

Auckland Convention Bureau can supply you with details of a Relationship Manager at immigration who will guide you through the process of applying for visas for your conference delegates.



Auckland airport international arrivals gate

## List of visa waiver countries\*

Andorra	Hungary	Oman
Argentina	Iceland	Poland
Austria	Ireland	Portugal
Bahrain	Israel	Qatar
Belgium	Italy	Romania
Brazil	Japan	San Marino
Brunei	Korea (South)	Saudi Arabia
Bulgaria	Kuwait	Seychelles
Canada	Latvia	Singapore
Chile	Liechtenstein	Slovak Republic
Croatia	Lithuania	Slovenia
Cyprus	Luxembourg	Spain
Czech Republic	Macau	Sweden
Denmark	Malaysia	Switzerland
Estonia	Malta	Taiwan
Finland	Mauritius	United Arab Emirates
France	Mexico	United Kingdom
Germany	Monaco	United States of America
Greece	Netherlands	Uruguay
Hong Kong	Norway	Vatican City

\*Conditions may apply.

# What you need to know



## Climate and seasonality

Auckland enjoys a temperate climate. Daytime temperatures range from 20°C to 30°C (60°F to 86°F) during the warmer seasons (November to March), and from 10°C to 17°C (50°F to 63°F) in the cooler seasons (April to October).



## Currency

New Zealand dollars (\$) and cents (c). There are five notes (\$5, \$10, \$20, \$50, \$100) and five coins (10c, 20c, 50c, \$1, \$2).



## Driving

Drive on the left side of the road in New Zealand. All drivers, including visitors from other countries, must carry their licence or permit at all times when driving. Delegates will only be able to drive the same type of vehicles they are licensed to drive in their home country.



## Electricity

240V, 50Hz, with Australian/New Zealand pattern three-pin sockets.



## Health and vaccinations

No vaccination certificates are required. Public and private hospitals provide a high standard of treatment and care. Medical services are not free to visitors, so travel insurance that covers medical and health is recommended.



## Goods and Services Tax (GST)

New Zealand has a 15 per cent GST. Overseas visitors cannot claim this back. Some stores may waive GST if delegates show onward or return air tickets, or when international shipment of goods is arranged.



## Languages

English is the everyday language in New Zealand, with Māori and New Zealand Sign Language also official languages.



## Mobile telephones

Like most countries, New Zealand operates on a 900 or 1800 MHz network. However, some mobiles cannot use international roaming on this frequency. Delegates may buy or rent a New Zealand-compatible phone or sim card upon arrival.



## Safety and security

New Zealand is generally a very safe place to travel, with a relatively low crime rate. However, it is advisable to observe the same precautions with your personal safety and your possessions as you would in any other country or at home. New Zealand is a democratic and politically stable country.



## Smoke-free policies

In New Zealand it is illegal to smoke in most indoor spaces, including workplaces, function venues, cinemas, pubs, restaurants and hospitality venues, as well as all public transport. Cigarettes cannot be sold to anyone under 18.



## Time zone

New Zealand Standard Time is 12 hours ahead of Greenwich Mean Time (GMT). Daylight saving runs from the end of September until early April, when the clocks advance by one hour—it then becomes GMT +13 hours.



## Tipping and service charges

Tipping is not expected in New Zealand but delegates may wish to tip for special service or kindness.



## **SITE** Visitor Information

i-SITE is New Zealand's official visitor information centre network with more than 80 i-SITES nationwide, including locations in Auckland. i-SITES provide free expert local knowledge and services including itinerary planning and nationwide accommodation and activity bookings.



## **+** Emergency services

111 is the emergency phone number for police, fire and ambulance services.



## **U** Concierge service

Auckland Airport offers a professional concierge service to ensure your keynote speakers or delegates enjoy a smooth arrival into the region. Services can include collection from the gate, assistance with duty free shopping and baggage collection, guidance through border control, priority service at passport control, and the arrangement of onward transport. For an unforgettable welcome, a traditional Māori welcome for your group can also be arranged.

# Make **Auckland** your choice for the 7th International Symposium on Negative Ions, Beams and Sources (NIBS'20).

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[aucklandnz.com/meet](https://aucklandnz.com/meet)