

18WCEE in Auckland, New Zealand

12 – 16 JANUARY 2025

*The trip of a lifetime,
the conference of your career.*



NARRATION TEXT: Welcome, We're pleased to present to you to Auckland, New Zealand, as the perfect host for the 18th World Conference on Earthquake Engineering, 18WCEE in 2025.

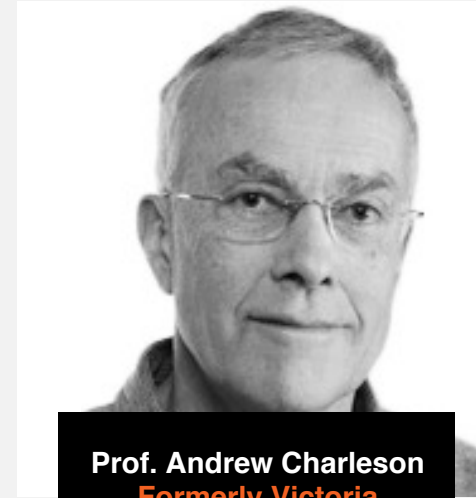
MEET THE TEAM

Conference Organising Committee

The New Zealand Society
for Earthquake Engineering
has established the
following leadership team
for the WCEE 2025.



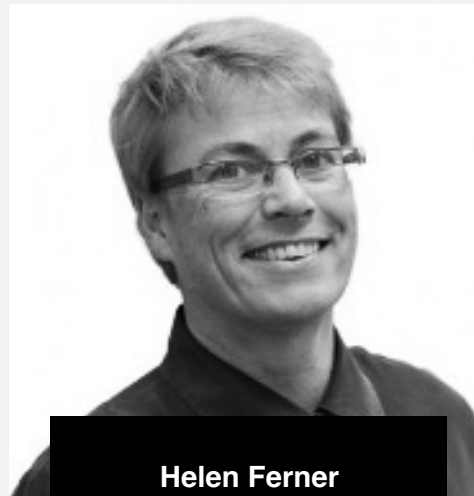
Dr. Quincy Ma
University of Auckland



Prof. Andrew Charleson
Formerly Victoria
University of Wellington



Prof. Geoff Rodgers
University of Canterbury



Helen Ferner
NZSEE President



Amy Abel
Conference & Events Ltd



Michael Stokoe
Tourism New Zealand

NARRATION TEXT: As a second time bidder, the New Zealand Society for Earthquake Engineering (NZSEE), has brought together a stellar team to deliver an unforgettable conference. The core organising committee include earthquake engineering academics, industry leaders and tourism and conference organising experts all having experience in managing major international events.

WHY NEW ZEALAND

Recent Lived Experience



EARTHQUAKES

Regular lived experience

Earthquake resilience a key consideration for general population



2010 – 2011 Christchurch earthquakes



2013 Cook Strait earthquake — M6.5



2016 Kaikoura earthquake — M7.8

The gold standard in seismic performance

As the first base-isolated apartment building in Wellington, Victoria Lane Apartments set a new standard in residential apartment seismic safety.

Victoria Lane
APARTMENTS



NARRATION TEXT: New Zealand's frequent earthquake activity has developed a generation of NZers who carry a lived experience of earthquakes. This means that not only will you have the opportunity to observe the progress in our living laboratory of earthquake resilience, you can observe first-hand how we place the importance of science driven earthquake engineering in our everyday lives.

WHY NEW ZEALAND

Our Expertise

New Zealanders are among world experts & innovators in earthquake engineering — delegates can observe innovative science being put into practice.



NARRATION TEXT: Despite being a small country, NZ invests in global scale on earthquake engineering and our influence is felt worldwide. We pioneered capacity design philosophy, developed the lead rubber bearing and we are about to implement a new generation of low-damage seismic design codes. Delegates will be able to view our new earthquake engineering innovations from the drawing board and put into examples in policies and practice.

WHY NEW ZEALAND

International Linkages

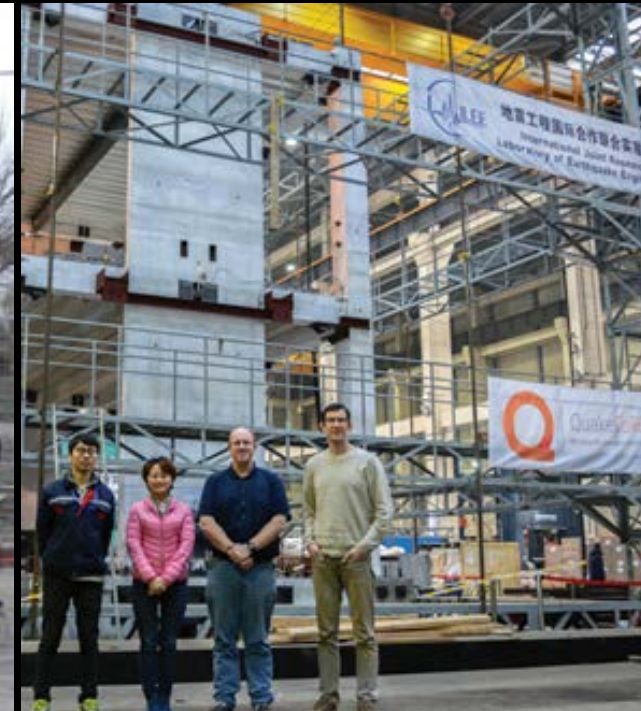


New Zealand is a common link for
**INTERNATIONAL
COLLABORATION**



LEGACY CONTINUITY

Rūaumoko, the Māori God of Earthquakes and Volcanoes



NARRATION TEXT: We recognise that we cannot tackle the earthquake problem alone. A core attribute of the NZ way is to be inclusive and collaborative. NZ is often the link for many international projects, a symbol of this is the IAEE logo, the Rūaumoko, NZ Māori god of Earthquakes and Volcano. So come and experience the land that has made us this way.

SUPPORT

High Level Support

18WCEE has received expression of support right from the very top level including the New Zealand Prime Ministers' office and support from all sectors and industries.



Watch PM Ardern's Video:
<http://18wcee.com/>



NEW ZEALAND

is ready

We can't wait to host
18WCEE!

NARRATION TEXT: NZ is committed to delivering the best-ever WCEE, with support from the very highest levels. Amidst the busy response of the pandemic, our Prime Minister Jacinda Ardern has prepared a video outlining her aim for 18WCEE as a mutually beneficial platform for learning and international conversations on earthquake resilience. You can watch **her** video at 18wcee.com.

WHY AUCKLAND

NZSEE: A Vibrant and Active Association



ANNUAL
CONFERENCE
ATTRACTS

400 delegates
per year



50+ Year
history
FOUNDED IN 1968



TECHNICAL
PUBLICATIONS

NZSEE Bulletin
a quarterly publication since 53
years ago



RECONNAISSANCE
MISSIONS

**Learning From
Earthquakes**

NARRATION TEXT: As the host, the NZSEE is an active and well established organisation. We are committed to high-level learning, we publish the quarterly Bulletin and we regularly welcome over 400 committed delegates to our annual conference. NZSEE is also the custodian of the 4-yearly Pacific Conference on Earthquake Engineering.

25 years since last held in New Zealand

5 Past WCEE	Canada	France	India	Italy	New Zealand
2004 Canada	X Vancouver 2004				✓
2008 Beijing			X Asia		✓
2012 Portugal		X Europe		X Europe	✓
2016 Chile	X Americas				✓
2021 Japan			X Asia		✓

!

2000

Was the last time the WCEE came to New Zealand

NARRATION TEXT: Reviewing the location of the 5 past WCEEs and comparing against the other excellent options, by 2025, it will have been 25 years since WCEE was last held in NZ, and 9 years since it visited the Southern Hemisphere. In this time a number of significant earthquakes have accelerated our research and development, ensuring we have plenty new to showcase. It is truly overdue for WCEE to return to the southern hemisphere, to Oceania.

WHY AUCKLAND

Auckland in January 2025



NARRATION TEXT: Choosing Auckland in Jan 2025 will also put WCEE back on track towards its regular 4-yearly cycle. Plus, it allows delegates to enjoy the pleasures of a Southern Hemisphere Summer!

WHY AUCKLAND

Event Hosting Capability

Auckland has an impressive track record of securing and hosting successful conferences and major events.



nzsee
NEW ZEALAND SOCIETY FOR
EARTHQUAKE ENGINEERING

**EXPERIENCED IN
HOSTING EVENTS**

29 **Appointed
Professional
Conference
Organiser**

**HAS OVER 29 YEARS' EXPERIENCE
IN INTERNATIONAL EVENTS**



**2023 FIFA
WOMEN'S WORLD CUP**



NARRATION TEXT: Auckland, NZ's largest city, has an impressive track record of hosting large successful events, from major events like the World Masters Game and America's Cup Yacht Race, to the upcoming Women's FIFA World Cup 2023. NZSEE has a long-standing relationship with our experienced conference organisers who has been delivering incredible conferences here for 29 years.

Auckland at a Glance



Auckland Council Research and Evaluation Unit
RIMU 2018



New Zealand is the
2nd safest country
in the world

Global Peace
Index 2018



TOP 10
Friendliest cities in the world

Condé Nast Traveler Reader Choice Awards 2019

3rd
MOST LIVEABLE CITY
IN THE WORLD

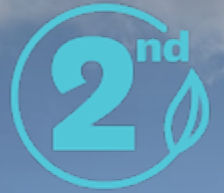
Mercer Quality of Living
Survey 2019

NARRATION TEXT: Apart from the warm Kiwi welcome, Auckland is renowned for being one of the safest, cleanest, and friendliest, cosmopolitan cities in the world. Visitors will enjoy the stunning harbourside location and surrounding natural beauty.

CONFERENCE VENUE

New Zealand International Convention Centre (NZICC)

NZICC will be the
WORLD'S
Carbon Neutral
Convention Centre



View Interactive Floor Plans

<https://www.nzicc.co.nz/venue>



TOTAL CAPACITY **4,000**



32,500 SQM Over four levels



MEETING SPACES Up to 33 meeting rooms at any one time



Located in the heart of city
Walkable, central location



7,000 hotel rooms within easy walking distance

NARRATION TEXT: The proposed conference venue, The NZ International Convention Centre, is a purpose-built facility in the heart of downtown. This new, carbon neutral venue will easily accommodate the requirements of 18WCEE, boasting flexible, configurable spaces and state-of-the-art technology. Its excellent location positions it within minutes' walking distance of a huge range of inner-city attractions, dining and accommodation options.

AUCKLAND ACCOMMODATION

Affordable Accommodation

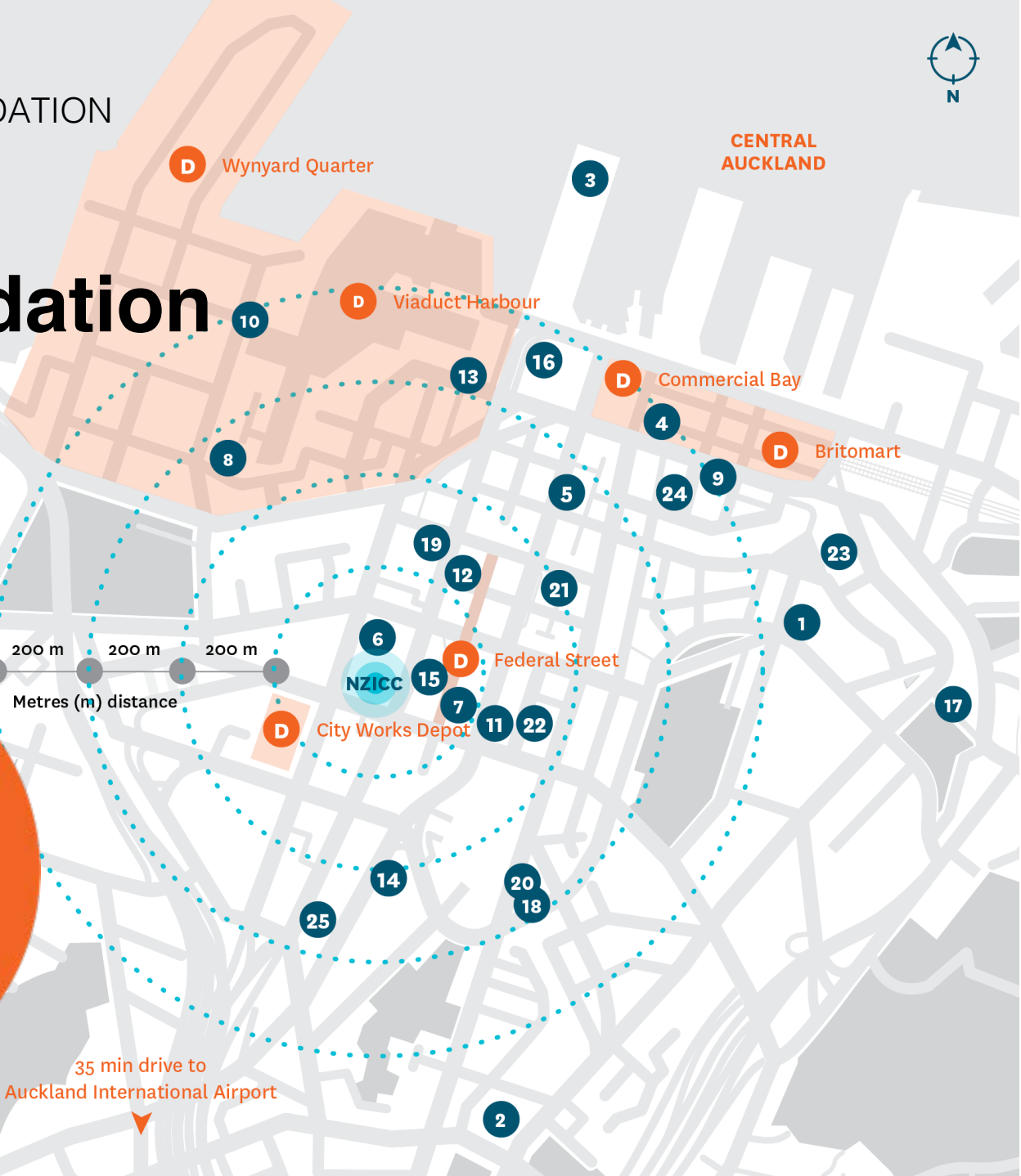


AFFORDABLE
Student Accommodation

Backpackers and Hostels

35 min drive to
Auckland International Airport


200 m 200 m 200 m
Metres (m) distance



CONFERENCE VENUES

 NZICC

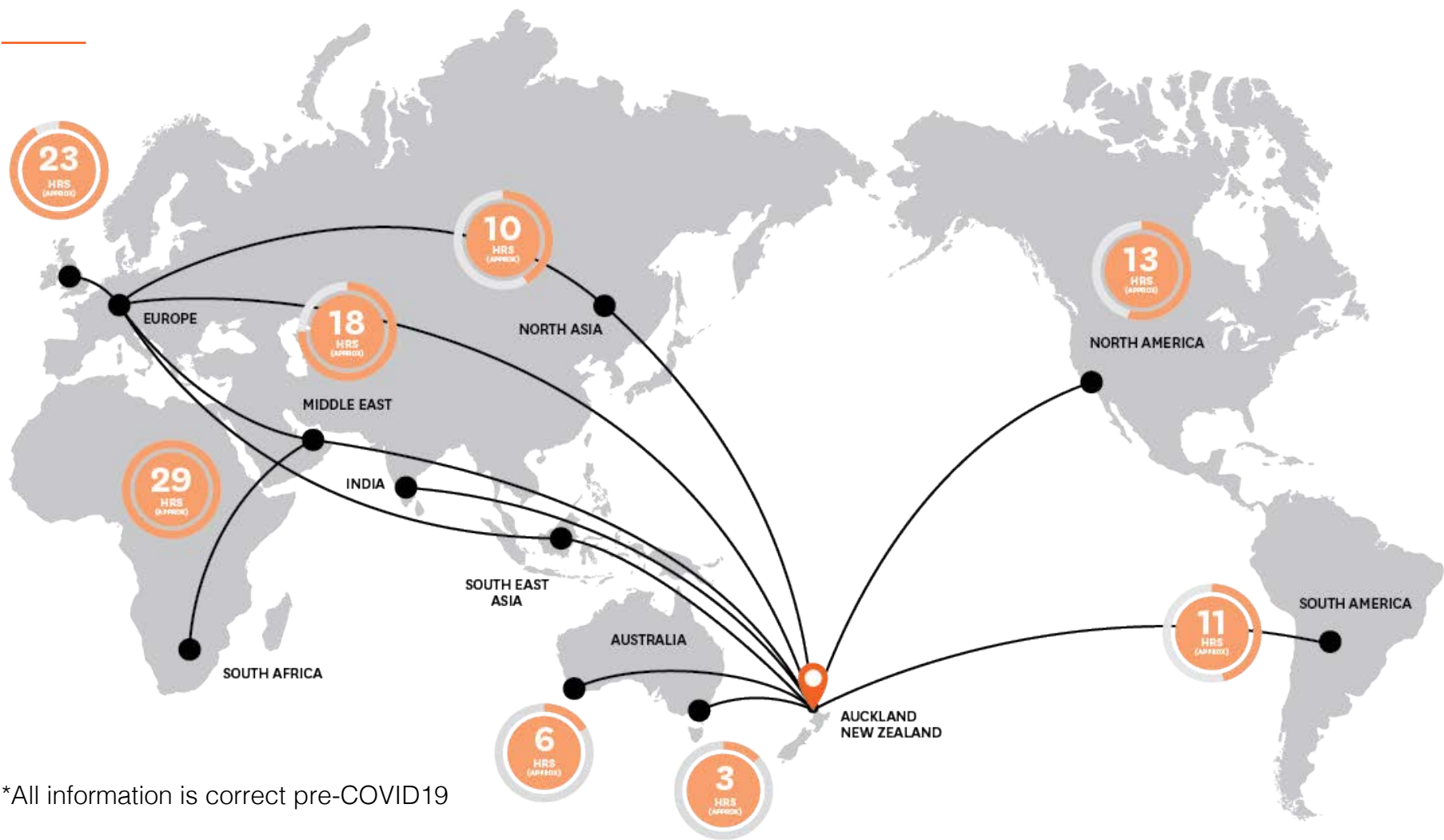
ACCOMMODATION PROVIDER	QUALMARK RATING
1 Pullman Auckland	5 star
2 Cordis, Auckland	5 star
3 Hilton Auckland	5 star
4 Grand Mercure Auckland	5 star*
5 Stamford Plaza Auckland	5 star
6 Horizon Hotel	5 star
7 SKYCITY Grand Hotel	5 star
8 Sofitel Auckland Viaduct Harbour	5 star
9 SO/ Auckland	5 star
10 Park Hyatt	5 star
11 Crowne Plaza Auckland	4.5 star
12 Rydges Auckland	4.5 star
13 The Sebel Auckland Viaduct Harbour	4.5 star
14 Grand Millennium Auckland	4.5 star
15 SKYCITY Hotel	4.5 star
16 M Social Auckland	4.5 star
17 Copthorne Hotel Auckland City	4 star
18 Four Points by Sheraton	4 star
19 Heritage Auckland	4 star
20 Scenic Hotel Auckland	4 star*
21 ibis Budget Auckland Central	3 star
22 Base Backpackers Auckland	Backpackers
23 JUCY Snooze Auckland	Backpackers
24 Nomads Auckland Backpackers Hostel	Backpackers
25 Silverfern Backpackers	Backpackers

 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

NARRATION TEXT: Auckland offers accommodation to suit every taste and budget. The WCEE timing coincides with University holidays, making quality student accommodation available for the budget conscious. There are also new five-star hotels, and everything in between, all within walking distance of the venue.

Auckland is closer than you think



*All information is correct pre-COVID19

 29

International airlines fly direct to Auckland from 44 destinations around the world

60 

Countries have a visa waiver agreement with New Zealand

540+

Weekly flights connecting Auckland to the world

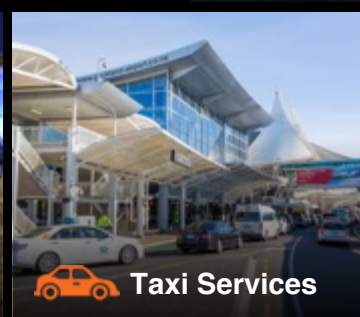
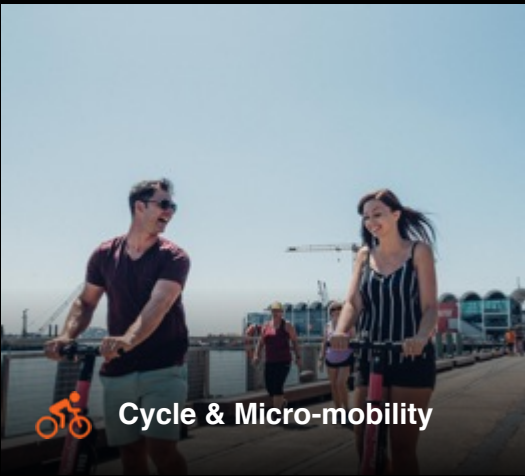
NARRATION TEXT: Auckland is closer than you think! Pre-COVID, Auckland airport welcomes direct flights from 44 destinations around the world. Access is stress-free with visa waiver agreements in place for 60 countries.

WHY AUCKLAND

Transport in Auckland


Air New Zealand
has won
**AIRLINE
OF THE YEAR**
for 5th year running
by leading international aviation
Airline Ratings.com


#1
**BEST AIRPORT IN
AUSTRALIA & PACIFIC**
in the SKYTRAX Airport Awards



NARRATION TEXT: Once you're here, getting around is easy, with Auckland's compact, walkable footprint and easy public transport options ensuring you can make the most of your downtime.

THEME

Earthquake Engineering Science, Practice and Beyond

The Beehive in Wellington, NZ's Parliament Building



NARRATION TEXT: 18WCEE will focus on both information and aspiration, with the theme 'Earthquake Engineering Science, Practice and Beyond'. There will be a special session taking learnings from recent earthquakes around the world. There will be Keynotes sharing advances in earthquake engineering science and practice, as well as looking beyond the traditional dimensions and examining what the future holds. We have allowed for special regional plenary sessions as a forum for each geographical region to showcase important developments and a plenary session dedicated to spotlight on Women Leaders in earthquake engineering.

CONFERENCE PROGRAMME

Tentative Conference Programme

Time Slot	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
7:00 – 8:30		Registration	Registration				Post Conference Tours	
8:30 – 9:00		Opening Ceremony						
9:00 – 9:50		Women Leaders in Earthquake Engineering	Earthquake Science Keynote	Advances in Earthquake Practice Keynote	Beyond Science and Practice Keynote	Learning from Recent Earthquakes Keynote		
10:00 – 10:30		Morning Tea						
10:45 – 12:45		Parallel Session 1	Parallel Session 3	Parallel Session 6	Parallel Session 9	Parallel Session 11		
12:15 – 14:00	Registration	Lunch						
14:00 – 14:50		Regional Plenary (Asia/Pacific)	Regional Plenary (Americas)	Regional Plenary (Europe)	Regional Plenary (Middle-East and Africa)	Parallel Session 12		
15:00 – 15:30		Afternoon Tea						
15:45 – 17:15		Parallel Session 2	Parallel Session 4	Parallel Session 7	Parallel Session 10	Closing Ceremony		
17:25 – 18:30			Parallel Session 5	Parallel Session 8				
19:00 – 18:30		Welcome Reception	19:00 – 23:00		Conference Dinner			

NARRATION TEXT: Our tentative conference programme would take in five days of sessions and lectures, alongside great social and networking opportunities. Targeted Post-Conference Technical Tours will allow the ultimate experiential learning in NZ’s living laboratory.

CONFERENCE PROGRAMME

Other Conference Experiences



Federal Street for

WELCOME FUNCTION

with gourmet
food stalls



SPECIAL YOUNG ENGINEER & NETWORKING PROGRAMME



PRE & POST

Conference Technical Tours

NARRATION TEXT: A fun-filled social programme will make the most of Auckland's delights and NZ's world-renowned food and drink, including a Welcome Function takeover of Federal Street to enjoy gourmet food stalls and entertainment. There'll be an emphasis on the next generation too, with a Special Young Engineer Technical and Networking Programme.

CONFERENCE HIGHLIGHTS

Digital Innovation



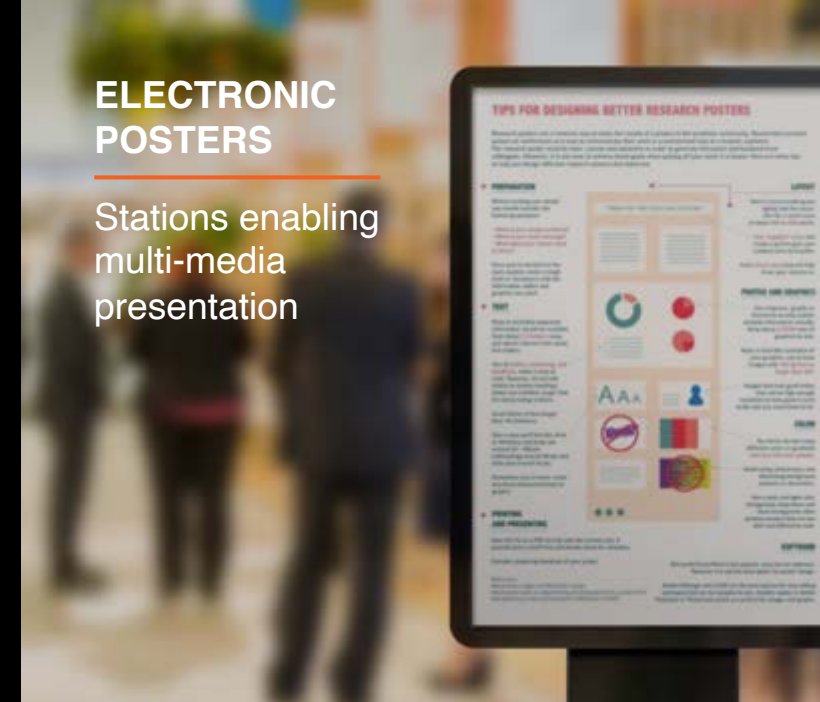
SELF CHECK-IN

Self-registration at conference hotels



ELECTRONIC POSTERS

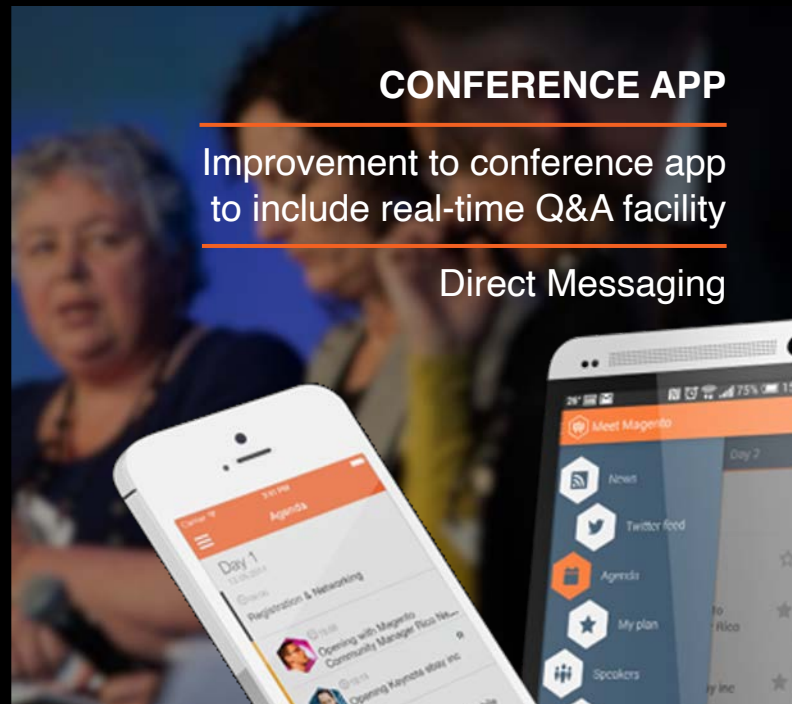
Stations enabling multi-media presentation



CONFERENCE APP

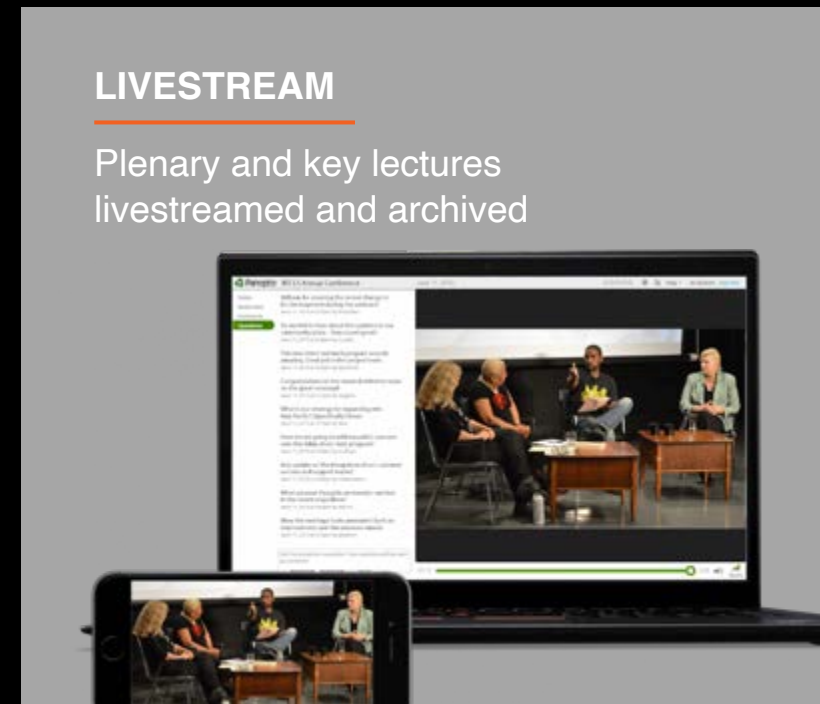
Improvement to conference app to include real-time Q&A facility

Direct Messaging



LIVESTREAM

Plenary and key lectures livestreamed and archived



NARRATION TEXT: We will be running 18WCEE with the latest in digital innovations, offering multimedia posters, livestreaming key lectures, real-time Q and A with the conference app, as well as video archiving of key sessions.

CONTINGENCY

COVID-19 and Contingency

New Zealand has a proactive approach in managing COVID-19 and civil emergencies.



**ONLINE
ATTENDANCE**

available through webinars
linked with online streaming



NARRATION TEXT: NZ has taken a proactive, safe, and successful approach to COVID19 management and this conference will do the same. Our digital focus, plus dedicated contingency planning, means we will have online attendance options available for those members unable or unwilling to travel.

FINANCIAL FEASIBILITY

Budget

Estimated Registration Fee: (\$USD)

- Fees kept the same as 17WCEE
- 5% registration return to IAEE
≈ USD\$80k – \$115k
- Assumes 3,000 – 4,000 total registrations
- Extra USD\$50 earlybird discount for members of all IAEE Affiliated National Societies (e.g. JAEE, CAEE, and etc.)
- Based on conservative estimate and a high-quality experience



Discounted Student Registration



Developing Countries Bursaries

ESTIMATED REGISTRATION FEES	Early Bird \$USD	Standard \$USD
Standard	\$760	\$850
Affiliated National Society Members	\$710	-
Students	\$460	\$510
IAEE Delegate	\$570	\$610
Additional Paper Submission (1 included)	\$270	\$270

We are still working on reducing registration fees to make this conference as affordable as possible.

INCOME (\$USD)	Expected Attendance		
	3,000	3,500	4,000
Registration	\$ 1,706,000	\$ 1,943,000	\$ 2,229,000
Exhibition	\$ 144,000	\$ 144,000	\$ 144,000
Sponsorship	\$ 159,000	\$ 159,000	\$ 159,000
Total Income	\$ 2,009,000	\$ 2,246,000	\$ 2,532,000
EXPENDITURE (\$USD)	Expected Attendance		
	3,000	3,500	4,000
Fixed Costs	\$ 899,000	\$ 942,000	\$ 988,000
Variable Costs	\$ 1,090,000	\$ 1,270,000	\$ 1,452,000
Total Expenditure	\$ 1,989,000	\$ 2,212,000	\$ 2,440,000
Anticipated Surplus	\$ 20,000	\$ 34,000	\$ 92,000

NARRATION TEXT: As well as the knowledge benefits we would deliver from hosting WCEE in NZ, we envisage a financial return of USD \$80k-\$115k to the IAEE. We developed a conservative budget with estimated attendance in the range of 3,000 to 4,000, while maintaining a high quality conference experience. As a principle, we endeavour to keep the fees to be the same as that in 17WCEE in Japan. We will also introduce a \$50 discount for all members of each IAEE affiliated National Society. To ensure the event is accessible and inclusive, there will be student rates and we will facilitate developing countries bursaries.

Experience Auckland

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

From Auckland's 48 volcanic cones and stunning beaches to all budget dinner precincts and night life. The adventure has begun!

Hauraki Gulf



Zipline on Waiheke Island



Mission Bay

SOMETHING FOR
all budgets



Urban Culture



Night Markets

NARRATION TEXT: Visiting delegates will find activities to suit all budgets in Auckland, from sailing to vineyard-covered islands to wine and dine, whale and dolphin watching, to enjoying Auckland's café culture, there is plenty of beauty and buzz in an Auckland summer.

PRE & POST TRAVEL

Explore New Zealand



Cathedral Cove



Champagne Pools, Rotorua



Goat Island Marine Sanctuary



Hobbiton Movie Set



Queenstown

NARRATION TEXT: Auckland also serves as a gateway to explore the rest of NZ. It is only a short flight to the snow-capped peaks and adventure capital Queenstown, or a bus ride to experience the Maori culture and bubbling mud pools of Rotorua. In NZ, you're always close to some of the world's most beautiful scenery and memorable experiences.

WHY NEW ZEALAND

18WCEE in Auckland



TIME
to return to
Southern
Hemisphere



Experienced
Organising
TEAM



SAFE
Friendly
Destination



COMPACT
walkable
city

NARRATION TEXT: NZ has the desirable destination, the event experience, and the unique earthquake engineering expertise to deliver an amazing WCEE. It's our time.

Choose Auckland, as host city for 18WCEE

*The trip of a lifetime,
the conference of your career.*



2000

Was the last time
the WCEE came
to New Zealand



NARRATION TEXT: New Zealand is ready and cannot wait! For the trip of a lifetime and the conference of your career, Choose Auckland as host city for 18WCEE 2025.