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From the President



I am pleased to connect with you all through this first newsletter following the election of the new committee. It is an honour and privilege to have been elected President of the New Zealand Society for Earthquake Engineering during the recent Annual Conference. I am deeply aware of the significant responsibility to lead the Society, especially during these challenging times. Throughout its 56-year history, the Society has benefitted from the leadership of both researchers and practitioners, with increasing diversity over the past decade. I am committed to further enhancing diversity within our Society's activities.

I would like to share my thoughts on a few key issues. Our built environment, including buildings and infrastructure, is essential for societal functionality. Therefore, it is crucial to focus on functionality and resilience. We must continue to improve the resilience of our buildings, both new and existing, with an emphasis on functionality and recovery. The recently completed Resilient Buildings Project, supported by EQC and led by our former president Helen Ferner, is a significant step in this direction. Given New Zealand's heavy reliance on infrastructure for socio-economic functionality, it is imperative to broaden our focus to include the earthquake performance of our infrastructure. We aim to leverage the expertise and perspectives of a wider pool of our diverse membership to tackle these challenges. Diversity in thought, ideas, and talent will help us build our capacity, move forward, and enhance our earthquake resilience.

Collaboration between research and practice is vital to address critical issues and accelerate the implementation of research findings. I look forward to exploring how we can enhance co-operation between earthquake researchers and practitioners, to address the critical issues that we face, and accelerate bringing learnings from research to practice.

Our Society now has over 1,100 members and continues to grow. We are committed to maintaining regular communication and engagement as we work together to strengthen New Zealand's earthquake resilience. The implications of the new National Seismic Hazard Model, the draft Technical Specifications TS 1170.5, Earthquake Prone Buildings, and changes in our sector with the new





UPCOMING EVENTS

[18th World Conference on Earthquake Engineering](#)

Milan

30 June - 5 July 2024

www.wcee2024.it

[AEES Annual Meeting](#)

Adelaide

21 - 23 November 2024

<https://aees.org.au/>

government are significant challenges. The government's review of the Earthquake Prone Building legislation and the Department of Prime Minister and Cabinet's work on critical infrastructure resilience are initiatives where our expertise is essential.

The Society has been reinvigorating its Learning from Earthquakes (LFE) program, exposing young researchers and practitioners to the effects of earthquake events. Recently, we monitored two significant earthquakes: the magnitude 7.5 Noto Peninsula Earthquake in Japan of 1st January 2024, and the magnitude 7.2 Hualien Earthquake in Taiwan of 3rd April 2024. A diverse team of professionals from the Society, specialising in structural engineering, engineering geology, lifelines, emergency management and government policy, is currently in Taiwan to learn from these events, thanks to the efforts of our LFE Coordinator, Professor Greg MacRae, and financial support from EQC Toku Tu Ake. We will share the team's findings through presentations and our Bulletin.

Speaking of the Bulletin, we are proud to disseminate earthquake engineering research and practice insights through the Bulletin of the NZ Society for Earthquake Engineering. I thank our Editor, Professor Rajesh Dhakal, for enhancing its international standing and reputation over the past decade. A majority of our members now access this in digital form, enhancing sustainability, and I call upon others to embrace this.

I extend my gratitude to Professor Geoff Rodgers for his leadership over the past few years and his continued support as Immediate Past President. I also thank the Management Committee members who have stepped down: Helen Ferner, Julia Becker, Reagan Chandramohan, Patrick Cummiskey, Bruce Curtain, Uma Ashok, and Max Stephens. Additionally, thanks to our outgoing Executive Officer, Lauren Mulcahy, for her valuable service over the past two years.

A warm welcome to incoming committee members Alice Chang-Richards, Annie Scott, Catalina Miranda, Julian Benito, Sanjay Bora, and Umair Siddiqui, and to those continuing in the committee: Andrew Thompson, Dion Marriott, Greg MacRae, and Rajesh Dhakal. I also warmly welcome our new Executive Officer, Amy Samuelu, who took over on 1st April 2024. I am delighted that we have a committee with diverse backgrounds in earthquake engineering disciplines, gender, age, and ethnicity.

Our recent conference in Wellington, held from 9th to 11th April 2024, was a great success with over 440 delegates. We had an exciting lineup of keynote speakers, presentations, and a seismic design competition. Recognition of our members' contributions is vital. I am delighted that we were able to honour Peter Wood and Robert Davey as Life Members for their outstanding contributions, and Craig Stevenson and Stuart Palmer for their significant contribution to the Society and to earthquake research and practice. Congratulations to the winners of the prestigious NZSEE-EQC Ivan Skinner Award, the NZSEE-QuakeCORE Emerging Women Leader in Earthquake Engineering Award, the Otto Glogau award, and the John Hollings Seismic Resilience Award. More details are available in this newsletter.



Congratulations to our Life Member, Rob Jury, who has just been honoured by the government as an Officer of the New Zealand Order of Merit (ONZM) in the King's Birthday Honours List. We are delighted that Rob's huge contribution to earthquake engineering is recognised.

I also pay tribute to our Life Member, Robert Davey, who passed away in late April. His contributions to earthquake engineering practice in New Zealand were immense, and I extend my condolences to his family and friends. Obituary later in this newsletter.

We value our collaboration with Engineering New Zealand, and sister societies SESOC and NZ Geotechnical Society. Strengthening ties with other societies, such as the Institute of Architects and the New Zealand Planning Institute, will further our focus on earthquake resilience. Our collaboration with the Ministry of Business Innovation and Employment and EQC Toka Tū Ake, who provide us invaluable support, is also crucial.

With a concurrent focus on critical infrastructure resilience, the review of earthquake-prone legislation, and the development of new earthquake design standards, we have a unique opportunity to make significant strides and make a paradigm shift in enhancing the resilience of our built environment. We need your continued advice, encouragement, engagement, and support for our Society to meet these challenges.

Kind regards

Brabhakaran

2024 Management Committee

The new Management Committee is made up of:

- Pathmanathan Brabhakaran (President)
- Geoff Rodgers (Immediate Past President)
- Dion Marriott
- Gregory MacRae
- Annie Scott
- Catalina Miranda
- Umair Siddiqui
- Alice Chang-Richards
- Julian Benito
- Andrew Thompson
- Sanjay Bora
- Rajesh Dhakal (Bulletin Editor)
- Amy Samuelu (Executive Officer)

We are delighted to welcome the new Management Committee members and recognise the departing members (Julia Becker, Reagan Chandramohan, Patrick Cummiskey, Bruce Curtain, Uma Ashok, and Max Stephens) and executive officer (Lauren Mulcahy) for their outstanding contributions to the Society.



2024 Management Committee left to right. Rajesh Dhakal, Dion Marriott, Catalina Miranda, Geoff Rodgers, Andrew Thompson, Greg McRae, Annie Scott, Julian Benito, Alice Chang-Richards, Umair Siddiqui, Amy Samuelu, Pathmanathan Brabhakaran (not pictured Sanjay Bora)

Find out more and view the committees' profiles on the [website](#).



2024 NZSEE Conference Update

Thank you to everyone that attended the 2024 Annual Technical Conference. This year saw one of our largest attendances yet - over 440 registrations.

Personally, I enjoyed hearing from each of the keynote speakers – Silvia, Kit, Tiziana, & Daniel, whose presentations were very well received, and the topics they each spoke to were very relevant to our industry here in New Zealand.

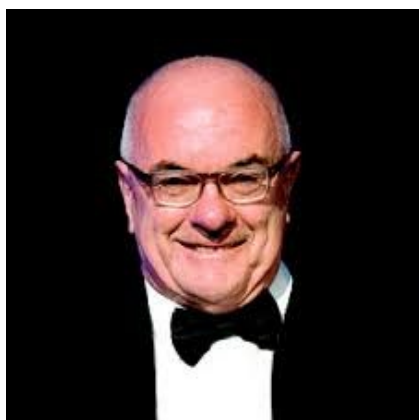
The engagement from the room during each of the plenary sessions was fantastic, making for very meaningful discussions (although we were plagued with a few App issues).

Once again, the committee was inundated with a high volume of quality papers for the parallel sessions this year – thank you to all those speakers that did present. The range of high-quality, relevant presentations only adds to the success of the conference.

The Design Competition continues to be a resounding success – this competition is becoming a signature event at the conference. The creativity, and engineering / scientific effort that went into each of the submissions was just awesome – congratulations to the competition winners (Team Beca).

Dion Marriott

NZSEE 2024 Conference Convenor



Obituary - Robert Davey

We are deeply saddened to announce the passing of our dear colleague and friend, Robert Davey. His loss is profoundly felt by all of us who had the privilege of knowing and working with him for many years—35 years in my case. Our thoughts are with his wife, Linda, and his family during this challenging time, and we extend our sincere and heartfelt condolences to them.

Robert lived a rich and impactful life, and it is fitting to celebrate his remarkable contributions as an eminent earthquake engineer, leader, colleague, and friend.

Just last month, on April 10, 2024, Robert was conferred with Life Membership of the New Zealand Society for Earthquake Engineering, the highest honour our esteemed society bestows. This recognition was long overdue for his substantial contributions to earthquake engineering. I visited Robert, who was terminally ill, the week before to inform him of this award and encourage him to attend the conference dinner to accept it. In his characteristic witty manner, Robert quipped, “Life Membership... does that mean it will extend my life, eh?” Despite Linda's concerns about his health, Robert, with his indomitable spirit, managed to attend and accept the award.

I first met Bob Davey back in 1989 when I migrated to New Zealand and began working at the Ministry of Works, then evolving as Works Corporation. As a young geotechnical engineer, I learned immensely from Robert, who was a Principal Earthquake and Structural Engineer. Our collaboration spanned various projects, from assessing the earthquake performance of buildings and lifelines in the Wellington Region to retrofitting numerous structures.

Robert's career was distinguished by his extensive work in designing buildings in Wanganui and Napier, his tenure at the Central Research Laboratories of the Ministry of Works, and his move to the Wellington office in the mid-1980s. From 1990 to 1992, under the United Nations' auspices, Robert visited Iran after the 1990 Manjil Earthquake to advise on earthquake-resistant design. On reflection, this experience provided him with unique insights into the performance of structures during earthquakes, informing his subsequent work in



assessing buildings, infrastructure, and lifelines. His pioneering efforts in seismic assessment and risk analysis significantly shaped emergency management strategies for decades.

Robert's contributions extended to leading numerous earthquake loss assessments for various organisations, including local authorities, lifelines, and insurance companies. He worked closely with Telecom New Zealand (now Spark), establishing the first framework agreement for post-earthquake emergency response. His innovative approach included developing a tool to predict the damage state of telecom exchanges, which prioritised inspections of critical structures long before detailed information from GeoNet was available. His pragmatic approach to earthquake assessments led to the retrofit of many buildings, water supply reservoirs, and power station structures. He mentored countless structural engineers and contributed to the development of new standards for concrete tank design.

During his tenure as Manager of Civil Engineering in Opus' Wellington office, I had the closest working relationship with Robert. His leadership style was empowering and supportive, allowing the different teams to grow significantly under his stewardship. His technical excellence and encouragement fostered a highly respected civil engineering team at Opus, known for its work with major clients across various disciplines.

Robert stepped back from his leadership role to focus on the response and recovery efforts following the 2011 Christchurch earthquake and due to health reasons. Even after a 50-year illustrious career, and despite his terminal illness, he remained engaged with current developments in earthquake engineering. Just 2-3 weeks before his passing, Robert was still eager to discuss pressing issues in the profession. Despite his illness, he remained strong and spirited, inviting me to join him for a walk with his two big dogs and a breakfast discussion on earthquake engineering industry challenges. His strength and dedication to the field were truly inspiring.

Robert Davey leaves behind a legacy of excellence in earthquake engineering and a profound impact on all who knew him. His contributions will be remembered and cherished. Our thoughts and deepest sympathies are with Linda and the entire Davey family during this time of loss.

With heartfelt condolences,

Brabhaharan

New Distinguished Members

Life Member
Robert Davey

[\(Citation\)](#)



Life Member
Peter Wood

[\(Citation\)](#)



Fellow
Stuart Palmer

[\(Citation\)](#)



Fellow
Craig Stevenson

[\(Citation\)](#)



2024 NZSEE Award Winners



Dr Natalie Balfour (EQC Toka Tū Ake) presents the 2024 Ivan Skinner Award to Benjamin (Ben) Exton.

EQC Toka Tū Ake / NZSEE Ivan Skinner Award:

Benjamin (Ben) Exton

Ben’s passion for earthquake engineering was sparked growing up in Canterbury through the 2010-2011 earthquake sequence, fuelled by weeks digging silt from the homes of devastated residents, and childhood memories such as seeing the Cathedral reduced to rubble.

This experience has driven Ben to support learning from the past and pushing for a future where communities can be nimble and resilient against earthquake shaking, moving beyond a mere insurance safety net.

His early career was spent aiding in the design of new buildings as part of the wider Canterbury earthquake recovery, earthquake repairs, strengthening, and damage assessments. These experiences provided exposure to a wide variety of structures, including repairs to the iconic New Brighton Pier, for which his team received an ACENZ award in 2019.

More recently, Ben has moved into the role of commercialising construction, seeking to redeploy ideas over and over again, and making them easy to apply in similar applications.

He has worked on a low-cost base dissipation system for use in homes, and in key equipment and infrastructure. Ben’s non-traditional innovation journey outside of academia has had a lot of challenges and roadblocks along the way, but he is now on the cusp of commercialising his technology domestically and internationally. Ben’s goal is that earthquake resilience systems become as ubiquitous in homes as seatbelts in cars, in order to enable our communities to be resilient against future earthquake shaking.

Ben has been described by his colleagues as having an extraordinary and unusual combination of talents and an innate passion for earthquake engineering, with a powerful grasp of the technicalities of earthquake engineering, from seismicity to the performance of structures and materials, standards and guidelines, and a rational assessment of risk. He has a drive for innovation, and a passion for people, underpinned by ethics and values.

For his innovative efforts to support increased resilience in structures and reduced vulnerability of communities to future earthquakes, Ben is awarded the 2024 EQC Toka Tū Ake / NZSEE Ivan Skinner Award.



Anna Philpott NZSEE/QuakeCoRE Emerging Women Leaders in Earthquake Engineering winner

NZSEE / QuakeCoRE Emerging Women Leaders in Earthquake Engineering Award:

Anna Philpott

In her 13 years in the Holmes Wellington office, Anna has progressed from Graduate Engineer to Senior Project Engineer, with her involvement on projects often extending into the Project Director role responsible for team leadership and delivery, and the Technical Director role responsible for the soundness of design solutions.



Anna has held lead design roles on several structural strengthening projects throughout her career, including the immensely complex Majestic Centre project, and for several heritage buildings including Wellington Museum, Wellington Town Hall, and Taranaki Cathedral.

Anna has been described as an engineer with a deep understanding of the first principles of structural engineering, who is able to develop practical analysis and design methods, and innovative strengthening and retrofit designs that are both practical and cost effective to construct within existing, often occupied, buildings.

In 2022, Anna was invited to join the Seismic Risk Working Group, which is a key body developing seismic design guidance in New Zealand, including the proposed updates to the New Zealand seismic loading and design standard (NZS1170.5).

Anna has also taken on technical coaching and training of junior engineers through project support in the Holmes Wellington office, and through technical training sessions at their offices across NZ and the US.

Anna has been described by her colleagues as a highly principled, dedicated, and passionate engineer, who strives to maintain high standards, and deliver high quality outcomes.

For these reasons, Anna's contributions to earthquake engineering in New Zealand are recognised with the 2024 NZSEE / QuakeCoRE Emerging Women Leader in Earthquake Engineering Award.



NZSEE Research Scholarship

Saiteja Sistla for his project *Developing a risk targeted seismic design framework for buckling-restrained braced frame buildings.*

Geoff Rodgers, NZSEE Past President, presents the 2024 NZSEE Research Scholarship to Saiteja Sistla



Bulletin Service Award

Liam Wotherspoon

Professor Liam Wotherspoon has served as the Associate Editor of the NZSEE Bulletin for more than 6 years. In addition to acting as the stand-in Editor for papers co-authored by the Chief Editor (about 20 since 2017) and reviewing multiple submissions in areas of his expertise, Liam has also played a pivotal role in ensuring the Bulletin is produced to a very high standard and is delivered in a timely manner. Throughout the last few years, Liam has been the Editor's go-to person whenever he faced any issues needing assistance and advice from someone whom he trusts and respects. In recognition of his sustained outstanding service to the NZSEE Bulletin, Professor Liam Wotherspoon has been conferred the 2024 Bulletin Service Award.

Rajesh Dhakel, Bulletin Editor presenting 2024 Bulletin Service Award to Liam Wotherspoon





Associate Professor James Hollings (left), son of the late Dr John Hollings, presents the 2024 John Hollings Seismic Resilience in Practice Award to Chris Speed (right) from Dunning Thornton Consultants, who accepted the award on behalf of the project team.

John Hollings Seismic Resilience Award

One Whitmore Street, Wellington

- Structural Engineer - Dunning Thornton (peer review – Aurecon)
- Geotechnical Engineers: EngGeo
- Seismology – GNS (peer review Engineering Geology Ltd)
- Services: 335 Ltd
- Architects: Jasmx and Studio Pacific
- Owner: Newcrest Developments
- Contractor – Newcrest Construction (Fitout Alaska)

The judges noted that seismic resilience is incorporated in many aspects of the design of 1 Whitmore Street, including in the design of the structure, substructure, and non-structural elements. The judges considered this project had a well-integrated structural, architectural, Geotechnical, and services design as a complete package, with a focus on seismic resilience.

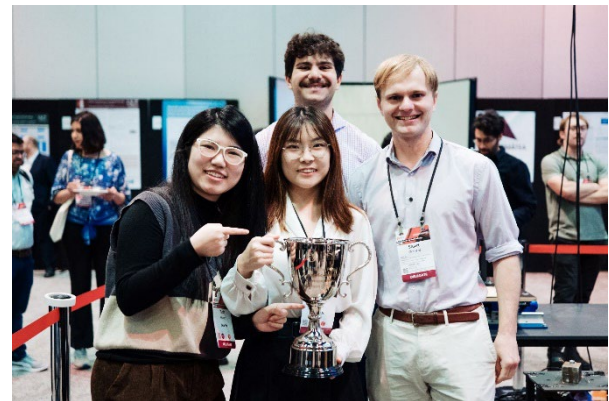


Dr SR Uma from GNS Science accepts the 2024 Otto Glogau award on behalf of the project team.

Otto Glogau Award

Vinod Sadashiva, Richard Mowll, S R Uma, Sheng L Lin, David Heron, Nick Horspool, Mostafa Nayerloo, James Williams, Yasir Syed, Robert Buxton, Andrew King, Biljana Lukovic, Kelvin Berryman, Michele Daly

For the paper titled: *“Improving Wellington region’s resilience through integrated infrastructure resilience investments”* NZSEE Bulletin, Jun 2021, Vol 54(2)



He Tohu Pūpū Seismic Design Competition winning team from Beca

He Tohu Pūpū Seismic Design Competition

The **Beca team** won the 2024 He Tohu Pūpū Seismic Design Competition, sponsored by EQC Toka Tū Ake. The team members representing Beca were **Yuxin Huang, Chris Kotrotsos, Rosa Zhang, and Stuart Orchard**





Pathmanathan Brabhaharan, NZSEE President (left), presenting the Best Practice Paper to a Member from Holmes (right)

Best Practice Paper Award:

Safia Moniz, Phil Gaby, and Lars Schmidt

For the paper titled: *“Omaroro Reservoir: A Case Study. It’s Cheaper to Work with Nature”* presented at the 2024 NZSEE conference.



Pathmanathan Brabhaharan, NZSEE President (right), presenting the Best Research Paper

Best Research Paper Award:

Jen Andrews, Yannik Behr, Maren Böse, Frédéric Massin, Anna Kaiser, Bill Fry, Nick Horspool

For the paper titled: *“Rapid earthquake rupture characterisation for New Zealand using the FinDer algorithm”* presented at the 2024 NZSEE conference.



Pathmanathan Brabhaharan, NZSEE President (right), presenting the Best Student Paper to Kasra Habibi (left)

Best Student Paper Award:

Kasra Habibi, Robert Cardwell, Alice Chang-Richards, Olga Filippova

For the paper titled: *“Quantification of economic benefits of functional recovery-based design: a stepwise review of the methodology”* presented at the 2024 NZSEE conference.



The Resilient Buildings Project

The Resilient Buildings Project just met a huge milestone. The framework relating societal expectations to building seismic performance developed by the project has now been published in a report titled 'Relating Societal Expectations to Building Seismic Performance' along with an accompanying volume of technical appendices and an accompanying policy paper titled 'When prevention is better than cure – the case for more resilient buildings'. The report and accompany documents are all available on the [NZSEE website](#) along with the previously published social research. It marks the culmination of over three years work by a large team.

This milestone was marked at the recent NZSEE conference with a plenary exploring the framework and how it can be used to inform conversations with clients when planning a new building and inform the subsequent development of building performance settings for a new building design. The plenary concluded by encouraging the use of the framework and its associated building categorisation system.

For those members who were not able to attend the conference plenary and just as a reminder the project first researched and reported a snapshot of societal expectations, and then, incorporating expert judgment, developed a framework relating the reported priorities to building seismic performance. The resulting framework includes consideration of people's priorities for different building typologies and reasons for special usage buildings. The framework is agnostic to how the desired performance may be achieved. Rather the framework relates societal expectations to key aspects of buildings relevant to their seismic performance.

Helen Ferner

NZSEE Resilient Buildings Project Convenor

Learning From Earthquakes – Response to Recent Events

Since the beginning of year, a number of earthquakes around the world have caused significant death and injury, as well as damage to land and infrastructure. While these are tragic, it is desirable to learn from them to benefit people both in NZ and overseas. Two of these events are highlighted below.

Noto Earthquake, Japan. This occurred on 1 January 2024 07:10 GMT (16:10 local time). The magnitude (MW) 7.5 event occurred 6 km from the town of Suzu on the Noto Peninsula, in Ishikawa prefecture, Japan. It caused shaking with a Modified Mercalli Intensity (MMI) of up to XI and destroyed 90% of the Suzu town's buildings. It, the accompanying 6.6 m tsunami, and the 14 aftershocks with MW > 5, caused widespread damage in nearby towns and neighbouring prefectures. Across Ishikawa prefecture at least 102,500 structures (78,500 houses, 200 public buildings, and 23,800 of unspecified use) were damaged. There were 245 fatalities (with more than 80% in collapsed homes), and 1,300 people injured across six prefectures. Even 50 days after the main event more than 12,000 people were in 521 evacuation centres.

Noto Peninsula is relatively rural, and residential building construction in the region is generally different from NZ. There were a number of older reinforced concrete public buildings. Also, there were significant landslides in the area.

Several kiwis have travelled to the area, including a number from GNS. GNS plans a second trip and is in discussion with NZSEE regarding dissemination of the findings.

Hualien Earthquake, Taiwan. This event occurred on 2 April 2024 23:58 GMT (3 April 7:58 local time). The magnitude (MW) 7.4 event occurred 16 km from the town of Hualien city with MMI up to VIII. There were also 3 aftershocks with MW greater than 6.0. It was accompanied by a 1 m tsunami.



Damage was widespread across the northeastern part of the island, including Taipei, New Taipei and Hualien County. At least 28 buildings collapsed, and 110 structures were destroyed. More than 1,930 houses, 870 buildings and 75 roads and tunnels were damaged. A total of 779 landslides affected 430 hectares. There were 18 deaths, 1,145 injured, 2 missing, and 600 people were stranded in the national park. The deaths were mainly as a result of landslides with very few inside buildings.

Taiwan has recently conducted a schools retrofit programme, and other structures were also retrofitted. There is a possibility to learn from the response of structures, the effectiveness of different retrofits, soil effects, the landslides (many of which are located in the national park), as well as the procedures for early warning, data dissemination after the event, and emergency management.

After discussions with different parties, and support kindly offered by EQC Toka Tu Ake, and from QuakeCoRE, it was decided to concentrate NZSEE Learning from Earthquake (LFE) efforts on this event. Coordination, support and communication is also being conducted between NZSEE and (i) a GNS team interested primarily in landslides, and (ii) a NZ-Japan-Taiwan Retrofit team focusing on the effectiveness of building retrofit. The NZ side of this retrofit team is sponsored primarily by the Royal Society of NZ, with additional support from QuakeCoRE.

The NZSEE LFE team is travelling in two deployments. In the first deployment two people are travelling with, and supporting, the RSNZ Retrofit Team in early-mid May. They are also making observations useful for the second NZSEE deployment in late May/early June.

NZSEE members of the first team are:

- Joe Byrne
- Ke Jiang

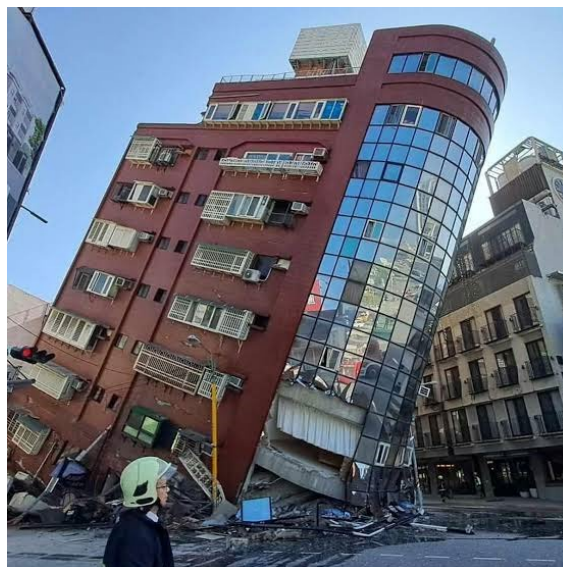
The second deployment of 7 people considers general structural effects, geotechnical effects, infrastructure effects, communication and planning effectiveness, and emergency management response. NZSEE learnings regarding the “4R’s” of disaster mitigation (reduction, readiness, response, and immediate recovery) will be disseminated widely, communicated to decision makers, and they serve as another step to ensure that NZ can be as prepared as it can to mitigate future disasters.

Members of the second team who are currently in Taiwan are:

- Bo-Yao Lee
- Alice Chang-Richards
- Julian Rincon-Gil
- Julian Benito
- Doug Mason
- Richard Mowll
- Patrick Cummuskey

Greg MacRae

NZSEE Learning from Earthquakes Convenor



Hualien Earthquake damaged building



Robert David Jury awarded Officer of the NZ Order of Merit

We are delighted to note that our NZSEE Life Member, Rob Jury has been honoured as an Officer of the New Zealand Order of Merit (ONZM) in the King's Birthday Honours 2024, just announced on 3 June 2024.

JURY, Mr Robert David (Rob)

For services to structural engineering and design

Mr Rob Jury is a world-leading earthquake engineer with more than 45 years of experience in the assessment and design of buildings and infrastructure projects nationally and internationally.



Mr Jury is currently Chief Structural Engineer at Beca. He has worked for more than 30 years on the development of seismic design codes for buildings in New Zealand and overseas, with much of this work on New Zealand's Building Code prior to the 2010/2011 Christchurch earthquakes done on a pro bono basis. He has been involved with the New Zealand Loadings Standard committees since the 1990s, leading development of seismic performance standards used nationally and overseas. He was a key technical advisor for investigations into collapsed buildings conducted by the Canterbury Earthquakes Royal Commission and New Zealand Police. Since the Christchurch earthquakes, he has undertaken several challenging commissions in seismic retrofits. This included base isolation of the lift shafts for Victoria University of Wellington's Rankine Brown building, which was recognised at the London-based Institution of Structural Engineers 2022 Structural Awards. Other seismic upgrade projects have also earned him recognition from major international bodies. Mr Jury has been responsible for some of the most ambitious designs in New Zealand, including the curved Hapuawhenua Viaduct in 1987 and Auckland's Sky Tower completed in 1997, which remains the tallest building in the southern hemisphere.

<https://www.dpmc.govt.nz/honours/lists/kb2024-onzm#juryro>

