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From the President

Happy New Year! I trust you all are enjoying this wonderful summer weather doing things (outdoors) you love to do with family and friends. Our lovely summer weather is definitely an upside at present in this covid impacted world.



Congratulations to several of our life members. I was delighted, as I am sure you were, that Dave Brunsdon was honored in the New Years Honours list for services to engineering and emergency management. Congratulations Dave for a very well deserved honour!!

Also congratulations to life member Sudhir Jain on his recent new appointment as Vice Chancellor of Banaras Hindu University, India.

It is though with great sadness we mark the passing of another NZSEE life member Mick Pender. A highly valued member of the earthquake engineering community who will be greatly missed.

Already this year many activities are underway and are being planned in the earthquake engineering world. Yes the NZSEE conference planning is continuing apace and registrations are now open. That said we are also closely monitoring the developing situation with covid and the various government announcements with respect to changing requirements. This is a rapidly evolving situation. We are developing contingency options to still hold the conference in some form that is both safe and appropriate in the event it is not appropriate or possible to hold it in person in late April. We will keep you updated as our plans are developed.

In the mean time please do continue to prepare your papers for presentation at conference as we are determined to ensure you have an opportunity to present them. We recognize the NZSEE conference provides an important forum to share the latest developments and thinking in earthquake engineering. We are also considering options for the design competition this year. Watch this space for updates as we develop contingency plans.

Lastly I encourage you to apply for any of the NZSEE annual awards that are applicable to you or share the information with others who may be eligible and interested.

Take care and stay safe

Helen

2022 NZSEE AWARDS

Applications are now open for 2021 Awards. All applications should be with the Executive Officer by 5pm, Wednesday 30th March 2022

UPCOMING EVENTS



Concrete NZ Conference

Rotorua

17th February 2022

<https://10times.com/concrete-nz-conference-rotorua>

2022 NZSEE Annual Conference

Wellington

27-29th April 2022

<https://confer.eventsair.com/nzsee-2022/>

Advancing Women in Engineering and construction Symposium

10th June 2022

3 ECEES

Bucharest, Romania

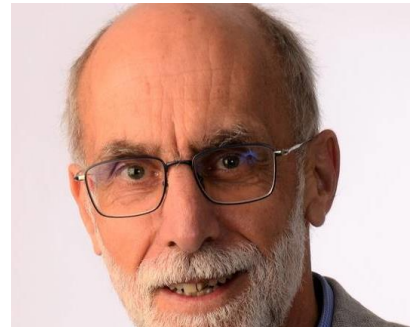
4-9th September 2022

<https://3ecees.ro/>

Congratulations to Dave Brunson CNZOM, Life Member of NZSEE



What a pleasure it was to hear that Dave has become a Companion of the New Zealand Order of Merit in the New Year's list. This is "Awarded for a prominent national or international role, leading role in regional affairs or distinguished contribution to an area of activity" and is just below a knight/damehood (for which the description also fits Dave). The notice said that he was awarded it for "for services to engineering and emergency management".



As all of us who have been infected by Dave's passion, leadership and cajoling over the last few decades, know that this description in no way adequately describes his contribution, but the definition of the award does.

Dave was prominent in the response to the 1989 earthquake in Newcastle, Australia, when 13 died. Dave has doggedly pushed for the further development of New Zealand's Urban Search and Rescue, the development of our system of post-earthquake assessment and many other aspects of earthquake engineering and preparedness. He has been at the forefront of internal reconnaissance (Padang and Northridge earthquakes, for example) and has been a critical adviser to government and territorial authorities after all the recent major earthquakes in New Zealand. Many of his contributions have been on a voluntary basis and will have been at a cost to his small consultancy practice. His contributions are unheralded and the public has no appreciation of what he and our membership have done behind the scenes to prepare for such disasters. This is particularly so for the 2010/11 Canterbury earthquakes and it is well overdue for this to be publicly acknowledged as it certainly was not at the time. Thank you on behalf of all the membership, Dave. Your contribution is outstanding. Congratulations.

Written by Richard Sharpe



Congratulations on the appointment of Sudhir Jain as Vice Chancellor of Banaras Hindu University, Varanasi, India

NZSEE has, since its beginnings had members in a number of countries. Some have been recognized by NZSEE for their contributions to earthquake engineering by being conferred with Life Membership. Professor Sudhir K. Jain of India is one of these. Your Management Committee congratulates Professor Jain on his recent appointment as Vice-Chancellor of Banaras Hindu University, Varanasi, India. This prestigious university was founded in 1916 (<https://www.bhu.ac.in/aboutus/history.php>) and his appointment is a great accolade for Sudhir. The university also has many international students. Sudhir has made a big contribution to the International Association for Earthquake Engineering (IAEE) over two decades and was President 2014-2018. He was on the IAEE's World Seismic Safety Initiative's Board of Directors (2002-2009). Sudhir's previous position was Founding Director (2009) of the Indian Institute of Technology, Gandhinagar, Gujarat. Before that, he was Professor at the Indian Institute of Technology Kanpur. A number of our members have had the pleasure of working with Sudhir and speak highly of his passion for earthquake engineering and higher education. He follows in the steps of two other greats in earthquake engineering at his alma mater University of Roorkee (now IIT Roorkee) – the late Profs. Jai Krishna and Anand Arya who were two of the founders of the Indian Society of Earthquake Technology.



Written by Richard Sharpe



Obituary of Professor Michael John Pender

NZSEE was deeply saddened to hear of the passing of Professor Michael (Mick) Pender. Mick was President of NZSEE from 2006 to 2008 and was also a Life Member. Mick had a distinguished career in Geotechnical Engineering and was held in extremely high regard across the earthquake engineering profession. He taught Geotechnical Engineering at the University of Auckland for over 40 years and educated generations of engineers that remember him with respect, admiration and affection for his technical knowledge, teaching ability and human qualities. He passed on practical techniques for designing safe and economical foundations. His dedication and contribution to Geotechnical Engineering was outstanding and he will be greatly missed.

A link to a more detailed Obituary written by David Hopkins and Janne Pender is [here](#).

NZSEE 2022 Conference

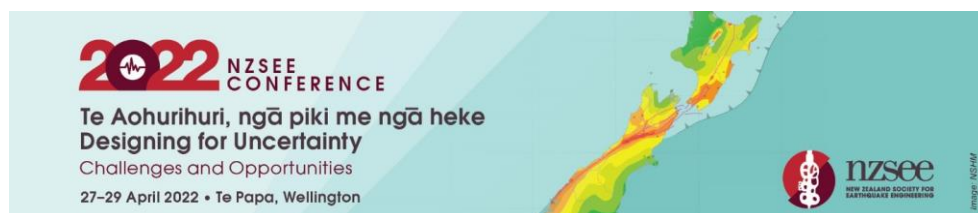
Registration for the NZSEE Annual Technical Conference is now open! This year's event is planned to be held at Te Papa Tongarewa, Wellington, New Zealand on 27 - 29 April 2022. For more information and to register please follow this [link](#)

Please note that the NZSEE are closely monitoring the current COVID outbreak. As this is a rapidly evolving situation, we are keeping a close eye on developments and working on several contingency plans to ensure the conference goes ahead in some form regardless of the situation with regard to Covid and Omicron.

If you register for the conference and we need to utilise a contingency revised format we will give all registered delegates the option of transferring to the new format (with partial refunds if appropriate) or alternatively cancellation of your registration and refund of the registration fee.

We are also considering options for the design competition this year. Watch this space for updates as we develop contingency plans.

In the event we are able to hold a conference in person we will be following all Government issued guidelines carefully and everyone who is in attendance will need to be fully vaccinated and have a valid vaccine pass.



Call for Nomination of NZSEE Members: Consideration for Election to a Fellow of the Society

The Management Committee may elect as a **Fellow of the Society** any person, whether resident in New Zealand or otherwise who, in the Committee's estimation, fulfils all the following requirements:

- a) the nominee must have been a member of the Society for at least five years immediately prior to nomination; and
- b) the nominee must be highly respected in some aspect of the fields of earthquake engineering, earthquake phenomena or the effects of earthquakes; and
- c) the nominee must have performed exceptional service to the Society as demonstrated by:
 - work on the Management Committee; and/or
 - work on one or more of the Society's Bulletins; and/or
 - publication in the Society's Bulletin; and/or
 - other special contribution which benefits the Society.

Prospective Fellows shall be nominated by three current members of the Society, who shall submit with their nomination a brief statement supporting the nominee's case for election.

The nominations submitted will be considered by the Management Committee in their assessment for the election of NZSEE Fellows. The Management Committee's selection of any member for a Fellowship will be final, and no correspondence will be entered into.

Nominations shall close with the Executive Officer on **Friday 11 March 2022**. Please complete the attached application form [here](#) and return to exec@nzsee.org.nz

Call for NZSEE Management Committee Members

Nominations for the 2022-23 NZSEE Management Committee are now open. The Society members annually elect nine of their members to the Management Committee. All current members of the Management Committee are eligible to be re-elected if they wish to have their nomination put forward.

Nominations shall be on a [form](#) supplied by the Executive Officer, shall be signed by the candidate, his or her proposer and seconder, all of whom shall be financial members of the Society and members for at least one year. The completed Nomination Form shall reach the Executive Officer not later than **Friday 11th March 2022**. The nomination form can be sent to the Executive Officer as an attachment via an e-mail.

In the case that an election is required, the names of members nominated together with their brief biographical details will be provided to members and an electronic mail ballot will be held.

Applications for annual NZSEE awards – Now Open

Applications are now open for the annual NZSEE Awards. This year we have made a number of changes to the awards criteria. Full details can be found on our website.

Applications for all awards close **5pm Wednesday 30 March 2022**. Applications should be submitted directly to the Executive Officer at exec@nzsee.org.nz

Awards include:

NZSEE Seismic Resilience Award for Design to Achieve Low Damage during Earthquakes

Low Damage Design case study projects are sought that have the objective of providing a low damage outcome in an earthquake event. The project must have been completed and opened between 2019 and 2021 to be eligible for this award.

The judges will consider the performance of the building, bridge, wharf or any other facility submitted with respect to:

- Structure
- Soil/foundation/structure interaction
- Non-structural elements



- Services

All entries received will be on display at the Annual NZSEE Conference and digital copies will be displayed online.

For further details click [here](#).

NZSEE/ QuakeCoRE Women Leaders in Earthquake Engineering Award

This award is to recognise younger academic and professional women for ingenuity and entrepreneurial spirit in the field of earthquake engineering. It is awarded to recognise and honour an individual who has been involved in leading the development or implementation of leading innovative solutions to problems in earthquake engineering. The individual should be in the emerging or expanding stage of her career and 35 years of age or less as of 01 January 2022 (extendable for applicants who have had breaks from employment for parental leave).

The intent of the award is to support increased participation of women in leadership roles in earthquake engineering.

For further details click [here](#).

EOC/NZSEE Ivan Skinner Award

The objective of this award is to advance the common interest of the Earthquake Commission (EQC) and the New Zealand Society for Earthquake Engineering Incorporated (NZSEE) in promoting research to practice outcomes, which reduce the impacts of earthquakes on New Zealand communities. The candidate must have had not more than 10 years of experience as a practitioner and/or postgraduate researcher to be eligible for this award.

For further details click [here](#).

NZSEE Research Scholarship

The objectives of the scholarship are to promote research in earthquake engineering and encourage students of high ability to continue advanced studies in earthquake engineering.

Applicants should be pursuing a full-time course of study towards a post-graduate qualification at a New Zealand institution including research relevant to the mission of the NZSEE, which is to *gather, shape and apply knowledge to reduce the impact of earthquakes on our communities*.

For further details click [here](#).

Steel Conference Paper Award

All those who submit a paper to the conference which has a focus on research and/or application of structural steel in an earthquake resisting role in a project will be eligible for this award. The papers will be considered by a judging committee comprising representatives from the NZSEE, a University based researcher, a practitioner and a member of Steel Construction New Zealand.

Timber Conference Paper Award

All those who submit a paper to the conference which has a focus on research and/or application of engineered timber in an earthquake resisting role in a project will be eligible for this award. The papers will be considered by a judging committee comprising representatives from the NZSEE, a University based researcher, a practitioner and a member of the Timber Design Society.

Please note that no award may be given for any particular category at the discretion of NZSEE. The decisions of the judges are final and no correspondence will be entered into.

Managing Earthquake Prone Buildings

A decision-making framework has been developed to help councils navigate their legal obligations around managing earthquake-prone council buildings.

The five-step framework enables councils to balance their legal obligations under the Building (Earthquake-prone Buildings) Amendment Act in 2016, the Health and Safety at Work Act 2015 and the Local Government Act. The framework is also a useful tool for any building owner needing to make these kinds of decisions.

The BRANZ-led project was a collaboration with Resilient Organisations, Kestrel Group Ltd, the University of Canterbury Institute of Law, Emergencies and Disaster (LEAD), and Massey University Joint Centre for Disaster Research. Local Government New Zealand are encouraging councils to use the framework.

Download the framework here: https://www.branz.co.nz/shop/catalogue/earthquake-prone-buildings_994/



And the full research report here: <https://www.branz.co.nz/pubs/research-reports/sr463-managing-earthquake-prone-council-buildings-balancing-life-safety-risks-and-community-costs/>



