

Growing Great Engineers



MESNZ Maintenance
Engineering Conference

Engineering
the Future

The 20th Annual Conference

2024 Registration Pack



8-9-10

October 2024

Fraser High School,
Hamilton, New Zealand



Official Media Sponsor



Growing Great Engineers

As much as a strong engineering education and effective communication skills will launch a career, the ability to continuously learn will keep it going. As engineers, we work to envision the future through production and maintenance plans and technology roadmaps, but where we will be 5 or 10 years from now is truly unknown. As the world adjusts to a post COVID-19 “new normal”, the ability to learn and adapt to increasingly dynamic market movements, resource constraints and new technology developments is absolutely required for continued success and for continued improvement in plant performance.

MESNZ 2024 is the best forum for continuous learning for today’s engineers. At MESNZ you get the latest in technological advancements, manufacturing capabilities and tools and the vital insights from NZ and global case studies.

GROWING THE NEW GENERATION OF ENGINEERS

Engineers have a duty to inspire the next generation of students, apprentices and graduates. To do this, we need greater understanding of and interaction with young people and the local community. We need to break down the stereotypes and re-frame engineering for what it can be with greater emphasis on the analytical, practical, creative, and problem-solving side to engineering.

Manufacturing Matters.

Engineers love to make cool things and solve problems; indeed, a thriving manufacturing sector is critical to the long-term prospects for the New Zealand economy, especially with the push towards living in a sustainable low carbon future. Each keynote presentation at this year’s conference will build on this theme with practical solutions to the big challenges that we face both now and into the future.

OTHER TOPICS INCLUDE:

- Corrosion & Corrosion Protection
- Procurement – Compliance, Quality, Cost & more
- Industry 4.0 and IOT solutions that work today!
- Infrastructure – maintenance challenges
- Industry Training & Options for Professional Development
- Material & Failure Prevention
- Engineering Project Planning, Execution & Management
- Finding & Retaining Good Engineers
- Changes in NZ Engineering Training Pathways
- New Technology Solutions for Maintenance Engineers
- RCA Case study using computational analysis tools
- Engineering Problem Solving in the Real World
- Machine Safety & Guarding
- Effective use of Maintenance and Reliability Metrics
- Smart use of VSD’s & Electrical Safety
- Manufacturing in NZ – opportunities & constraints



"They are engineers themselves; they know what you want and get right down to the facts so you're not wasting your time" – Sam Bassett, New Zealand Defence Force



Schedule at a Glance

For detailed programme, visit www.mesnz.org.nz

| Tuesday 3 October | |
|---------------------|--|
| From 8:00am | Pre-Conference Workshops. Separate registration and fees apply. |
| From 15:00 | Optional Pre-Conference Field Trip, Limited numbers - book early |
| 16:30 to 17:30 | *NEW* Student Session: Briefing & Introduction to Engineering, followed by the chance to tour the exhibit hall and meet apprenticeship and training providers to explore career opportunities. |
| 17:30 to 19:00 | Welcome Function and Meet the Exhibitors. For all Sponsors, Exhibitors, Delegates and Guests. Trade Show Open. Includes complimentary drinks and canapes. |
| Wednesday 4 October | |
| 08:00 to 16:30 | Registration and Help Desk Open. Fresh coffee and tea served in the main exhibition area. |
| 09:00 to 09:15 | Welcome and Official Opening – Mainstream Engineering Limited |
| 09:15 to 10:30 | Keynote Speakers |
| 10:30 to 11:00 | Coffee break |
| 11:00 to 12:00 | Keynote Speakers |
| 12:00 to 12:20 | Scholarship Award Presentations Bill Buckley |
| 12:40 to 13:35 | Lunch Break |
| 13:40 to 14:45 | Stream Session A, B, C (3 x 30-minute sessions) |
| 14:45 to 15:15 | Coffee Break |
| 15:20 to 16:20 | Keynote Speaker |
| 18:00 to 21:30 | MESNZ Social Function for all Exhibitors, Delegates and Guests. includes entertainment, dining & complimentary drinks. (Sky City Hamilton) |
| Thursday 5 October | |
| 07.30 to 08.30 | MESNZ AGM to be held Fraser High School (Conference venue). |
| 08:00 to 15:30 | Registration and Help Desk Open. Fresh coffee and tea served in the main exhibition area. |
| 09:00 to 09:10 | Day 2 Opening |
| 09:10 to 10:15 | Keynote Speakers |
| 10:15 to 10:45 | Coffee Break |
| 10:45 to 13:10 | Stream Session A, B, C (4 x 30-minute sessions) |
| 13:10 to 14:00 | Lunch Break |
| 14:05 to 14:40 | Forum Discussion |
| 14:40 to 15:20 | Closing Keynote |
| 15:30 | Closing Notes/Conference Closes |

SAVINGS FOR MESNZ MEMBERS

Internationally recognized speakers, industry thought leaders, engaging programme and 3 days of the best networking and learning you will get all year. Budget busting deals! Pre-Conference Training Options also available (modest additional fess apply)

MESNZ Member Registration

Only \$350 + GST for 2 ½ Day conference programme

Early Bird Registration – By 1st August – only \$325 + GST

Not a MESNZ Member yet?

Only \$450 + GST for 2 ½ Day conference programme

Includes 1 year Membership

Early Bird Registration – By 1st August – only \$395 + GST



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MESNZ Excellence Awards

A core MESNZ mission is to “grow great engineers” and thus we strive to promote industry best practice in all that we do. To this end in 2022 we introduced four new MESNZ Excellence Awards, which will once again be presented at this year’s Conference Dinner. The MESNZ Excellence Awards are as follows:

1. PILZ Best Safety Improvement Project,
2. Energy System Management Best Reliability Improvement Project,
3. Eurotec Best Energy and Carbon Reduction Project, and
4. METEX Best Apprentice Training Organisation.

Applications will close 5pm, Friday 30th August 2024, with all entries to be submitted electronically via e-mail infomesnz@gmail.com

Criteria:

Project Awards (#1-3 above):

1. Must be a completed Project
2. Preference will be given to MESNZ members (individual or corporate members)
3. Can be a customer, vendor, or joint submission
4. Applications should be limited to 2 pages and include an overview of the problem/opportunity, design, planning, execution, and where relevant verification of the project outcomes. Original or novel applications of new or existing technology solutions will be reviewed favourably.
5. Applications should include details of the project team and a contact person for a follow up phone interview by the judging panel as part of the final selection process.
6. The Judges reserve the right to make multiple awards and/or highly commended certificates of recognition. Don’t be shy and be prepared to have your good work acknowledged by your peers!

Apprentice Training Organisation Award (#4 above):

1. To be nominated by the Apprentice(s).
2. Tell us what makes your employer so good, and why they are the best organisation to do an apprenticeship with.
3. Applications only need to 1-2 pages and be prepared to have a phone interview to tease out the Who, Why, How, What, Where and When. We need to support the next generation of engineers so please help us to recognise and celebrate those people helping to make this happen!
4. The Judges reserve the right to make multiple awards and/or highly commended certificates of recognition. Don’t be shy and be prepared to have your good work acknowledged by your peers!

Any questions can be forwarded to infomesnz@gmail.com



Conference Registration

Fraser High School, Hamilton 8 – 9 - 10 October 2024



Company Details

Company Name:

Postal Address:

Email:

Phone:

Booking Contact:

Order No.

Mr / Mrs / Ms / Dr First Name:

Surname:

Position:

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Send me information via email ☐

☐ I want to register for the field trip

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How to Pay

☐ E-mail infomesnz@gmail.com for an invoice for payment

☐ Direct Credit: 03-0406-0039781-00
(Please quote your invoice number or Company Name)

☐ Credit Card: (please circle one): MasterCard / Visa Card

Name on Card

Signature

Expiry Date

CVV

Card Number

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NB for all credit card payments a 4% credit card service fee will be charged
Payable 14 days from invoice. Must be paid in full before the conference commences. A
GST receipt will be sent. All prices exclude GST

Conference Fees

Qty

Fee

Enter Amount

☐ Full Conference Delegate

\$450

\$

☐ MESNZ Member

\$350

\$

☐ Student/Trainee/Apprentice

\$195

\$

Total

G.S.T
(15%) \$

**Total to
Pay** \$

Your Privacy

Personal data is gathered in accordance with the Privacy Act. Your details may be passed to other companies who wish to communicate with you offers related to your business activities. If you do not wish to receive these offers, please tick the following circle.

Cancellations

If you book and then cannot attend, you have several options: Send a substitute in your place. Confirm your cancellation in writing (letter, or email) 2 weeks before the event and receive a refund, less a \$100 service charge. No refunds can be made for cancellations received after this date. However, you will still receive the conference documentation.

Complete this form email to infomesnz@gmail.com

Accommodation: Hotel rooms have been secured at the Novotel Tainui and the Ventura Inn and Suites, get in early to avoid disappointment. (More details available www.mesnz.org.nz under the MESNZ Conference 2024 Tab)