



**MAINTENANCE ENGINEERING SOCIETY of NZ Inc.
(MESNZ)**



2023 CONFERENCE PROGRAMME

3rd - 4th - 5th October 2023

(Subject to change)

Tuesday 3rd October. Pre-Conference Day: Training/Workshops

Pre-Conference Training/Workshops (Completely separate to the Conference – [Please book directly with providers](#), see emails and website)

9:00 – 3:00pm	IO-Link Training Workshop	IFM NZ, sales.nz@ifm.com
12:30 – 4:00pm	Infrared Inspection Fundamentals	Eurotec Email: taldridge@eurotec.co.nz
3:00 – 7:00pm	Free Student Session	infomesnz@gmail.com
5:00 – 7:00pm	Welcome Function & Meet the Exhibitors Networking event for all Delegates, Sponsors, Speakers, Exhibitors & Students	Everyone invited, included in conference registration fee

Wednesday 4th October – MESNZ Conference Day 1

	Main Plenary and Expo Zone	
8:00am	Registration Open, Exhibition Viewing & Networking	
9:00am	Welcome to the MESNZ Conference <i>presented by MESNZ and Principal Sponsor Mainstream Engineering Limited</i>	
9:15am	The Manufacturing Renaissance, a Makers' response to a global pandemic. Joel Leonard, Past Chairman of Manufacturing Workforce Advisory Committee, National Defense Industrial Association, USA. Founder, MakesboroUSA. Workforce Development Advisor	
10:00am	What's Kryptonite for Maintenance Engineering? Chris Power, Mainstream Engineering Ltd	
10:30am	Morning Tea – Refreshments, Networking and Exhibition viewing	
11:00am	Changes in NZ engineering training pathways Matt Gough, Industry Manager, Hanga Aro Rau Mike Crossan, National Ako Director. Manufacturing, Engineering & Logistics, Te Pukenga Adrian Gozdz, Training Advisor, Apprentice Training NZ ET Ong, Engineering Manager, Pisher & Paykel Healthcare	
11:45am	Forum Discussion – Professional Development World Skills, Excellence v Unit Standards	
12:15pm	Lunch, Exhibition Viewing & Networking	
1:05pm	Stream A Technical: Smart Connected Machines	Stream B Technical: Materials & Failure Prevention
1:05pm	IOT Sensor Selection IFM	Material Selection, what to watch for Barry Robinson, Metex
1:40pm	Case Study: Wireless Vibration Sensors Yee Mei, Agen Ltd	NDT, X-Ray, Crack Testing: Why competency is crucial to results Mick Bell, Southern QA
2:15pm	IOT Condition Based Lubrication James Neale, Energy Systems Management	"New Zealand Inc. finding the small things". SF6 leaks on 33 kV circuit breakers Paul Vickers, VABS
2:45pm	Afternoon Tea – Refreshments, Networking and Exhibition viewing	
3:15pm	Making sense of mentally healthy work – focusing on what matters Francois Barton, Business Leaders' Health & Safety Forum	
4pm	Manufacturing in NZ – opportunities & constraints Dieter Adam, MakeNZ	

Please note all topics and times are subject to change

5:30 – **Social Function & Awards Dinner** Wednesday 4th October
9:30pm VENUE: Sky City Hamilton

For all Conference attendees, Exhibitors and Presenters.
Don't miss it – this is where valuable connections are made, and a chance to recognise excellence among your peers!
Celebrating success, achievement & great progress

Speaker:

**Joel Leonard: Talent Recruitment – what are you doing about it?
Finding, training & retaining good Engineers**

MESNZ Bill Buckley Scholarship Awards.

2023 Stuart Tolhurst Memorial Apprentice Award

PILZ Best Safety Improvement Project

Energy System Management Best Reliability Improvement Project

Eurotec Best Energy and Carbon Reduction Project

METEX Best Apprentice Training Organisation

PLUS! Are your engineering skills up for the Thorminator Challenge?

Includes Dinner, Drinks and Networking. Home before 10 pm.

Thursday 5th October – MESNZ Conference Day 2

	Main Plenary and Expo Zone		
7:30am	MESNZ AGM All Members Welcome		
8:30am	Refreshments, Exhibition Viewing & Networking		
9:00am	Day 2 – Opening		
9:10am	Opening Keynote: Serious Culture Change - “Give ‘em Some FLAC” Daré Petreski CMRP, Delta Asset Reliability		
9:50am	Decarbonisation without compromising on OEE James Neale, Energy Systems Management		
10:15am	Morning Tea – Refreshments, Networking and Exhibition viewing		
10:50am	Stream A Technical	Stream B Technical & Technology Update	Stream C Planning Workshop
10:50am	“Mr. Fussy, Clean & Green” Dry pump technology moving away from oil sealed pumps Paul Vickers, VABS	The Data Gold Mine Ian Epps, Mobolo	2 hour Interactive Planning Workshop with Daré Petreski CMRP, Delta Asset Reliability
11:25pm	VSD Drives Ellis & Co	Root Cause Analysis Case Study using computational analysis tools - Paul Bosauder, Sequence Computational Engineering	
12:00pm	Best-Practice Hybrid Electrical Safety Inspections using Ultrasound & Infra-red ESM	Cold-spray metal powder deposition for surface modification (for corrosion/wear resistance, etc) - Neil Matthews, Titomic	
12:35pm		3D scanning tool to determine material loss in difficult-access areas – Joseph Cockroft, Professional CAD Systems	
1:05	Lunch, Exhibition Viewing & Networking		
2:10	Machine Guarding Safety – Brian Anderson, Ellis Co		
2:40	Closing Keynote: How to manage work environments with multi-generations, and create a diverse workforce - Joel Leonard		
3:20	MESNZ Conference Wrap-up and Closing Remarks		
3:30pm	Conference Closes Please note all topics and times are subject to change		