



MAINTENANCE ENGINEERING SOCIETY of NZ (MESNZ) 2022 CONFERENCE PROGRAMME 11-13th October 2022

Tuesday 11th October Pre-Conference Day: Training/Workshops

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

8:30 – 4:00pm	Failure Prevention & Material Awareness \$630 + GST pp.	Barry Robinson – Metex Ltd Email: Barry@safegroup.co.nz
8:00 – 12:00pm	Compressed Air System Best Practices \$315 + GST pp.	James Neale – Energy Systems Management Ltd , Email: office@energysm.com
12:30 - 4:00pm	Ultrasonic Condition-Monitoring Fundamentals \$315+ GST pp.	James Neale – Energy Systems Management Ltd , Email: office@energysm.com
8:00 – 12:00pm	Safety of Machinery-4024 the road to No-where or Compliance \$315 +GST pp.	Brian Anderson – Pilz NZ Email: office@pilz.co.nz
12:30 – 4:30pm	Risk Assessment Workshop-What do you say to taking chances? \$315 +GST pp.	Brian Anderson – Pilz NZ Email: office@pilz.co.nz
8:30 – 4:00pm	Infrared Inspection Fundamentals \$630 + GST pp.	Jeff Erickson – Eurotec Email: taldridge@eurotec.co.nz

Field Trip

2:30 – 5:00pm	Field Trip to <i>Stainless Design Ltd</i> Strictly Limited Number Bus departs/returns:	Everyone invited, included in conference registration fee
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4:30 – 5:00pm **Student visitors welcome & briefing**

5:00 – 6:30pm	Welcome Function & Meet the Exhibitors Networking event for all Delegates, Sponsors, Speakers, Exhibitors & Students	Everyone invited, included in conference registration fee
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Wednesday 12th October – MESNZ Conference Day 1

	Main Plenary and Expo Zone
8:00am	Registration Open, Exhibition Viewing & Networking, with Fresh Coffee
9:00am	Welcome to the MESNZ Conference 2021 <i>presented by the MESNZ & Conference Principal Sponsor ABD Group</i>
9:15am	OPENING KEYNOTES: Manufacturing Matters! How will NZ industry successfully transform to address current and future challenges and opportunities. What you need to know, and what part you need to play. Nick Collins – NZ Manufacturing Alliance, ex CEO Metals NZ.

9.50am	Learning to thrive in a Low Carbon Economy - James Neale		
10:30am	Morning Tea – freshly brewed coffee, tea, networking and exhibition viewing		
11:00am	Tackling the Circular Economy – Rachel Barker, Plastics NZ		
11:35am	Industrial Machine Automation (Industry 4.0) . Dieter Adam, The Manufacturers Network		
12:00pm	Changes in the NZ Engineering space: An update on the current Review of Vocational Education, and <i>Who is allowed to call themselves an Engineer?</i> Martin Pratchett, Engineering NZ		
12:20pm	Lunch, Exhibition Viewing & Networking		
1:05pm	Stream A Technical: Smart Connected Machines	Stream B Technical: Materials & Failure Prevention	Stream C Safety:
1:10pm	IOT Sensor Selection TBC – Neil Smit	Failure of Bolts, both good & bad. Barry Robinson, Metex	Truths about Safety Training & Unit Standards. Troy Twomey, Elite Training Services
1:45pm	IOT Pneumatics TBC – Neil Smit	Shaft & Axle Failures: Paying Attention to Detail Andrew Ouwejan, Metlab	Machine Guarding Essentials. Brian Anderson, Pilz NZ
2:20pm	IOT Condition Based Lubrication: James Neale	Failure Analysis & Prevention with Finite Element Analysis: Paul Bosauder. Matrix	Safety Culture/Implementation
2:50pm	Afternoon Tea – freshly brewed coffee, tea, networking and exhibition viewing		
3:25pm	Safety Myths and B-S (What is Rumour vs what is actually the Law). Troy Twomey, Elite Training Services		
3:55pm	First Day Wrap up		
5:30 – 9:30pm	<p>Social Function & Award Dinner For all Conference attendees, Exhibitors and Presenters. Don't miss it – this is where really valuable connections are made, and a chance to recognise excellence among your peers! Celebrating Success, Achievement & Amazing Progress</p> <p>MESNZ Bill Buckley Scholarship Awards. 2021 & 2022 Stuart Tolhurst Memorial Apprentice Award PILZ Best Safety Improvement Project, Energy System Management Best Reliability Improvement Project, Eurotec Best Energy and Carbon Reduction Project, and METEX Best Apprentice Training Organisation.</p> <p>Includes Dinner, Drinks and Networking. Home before 10 pm. VENUE: Sky City Hamilton</p>		

Thursday 13th October – MESNZ Conference Day 2

	Main Plenary and Expo Zone		
7:30am	MESNZ AGM All Welcome		
8:30am	Tall Stories, Freshly Brewed Coffee, Exhibition Viewing & Networking, Social Function Photos		
9:00am	Day 2 – Opening		
9:10am	<u>OPENING KEYNOTES:</u> TBC		
9:50am	Forum. Problems with getting staff and retaining staff. Options for quality professional development.		
10:15am	Morning Tea – freshly brewed coffee, tea, networking and exhibition viewing		
10:45am	Stream A Technical: Smart Connected Machines	Stream B Projects, Contracts, Outages, Problem Solving	Stream C Asset Management & Technology Show Case
10:50am	IOT Motor Control & Connectivity	Asset Criticality Analysis – a simple practical approach. Darrin Hawkes, MEL	Assets replacement and reinvestment optimization & implementation. Vladimir Kabanov, Mercury Energy
11:25pm	Finding the needle in your IOT data haystack!	Successful Problem Solving & cost validation in the real world. James Neale, Energy Systems Management	Wire-Arc Additive Manufacturing. Mike Fry, Tida.
12:00pm	Industrial Cyber Security	What does a successful Outage look like?	Full-Strength Metal 3D Printing. Warwick Downing, RAM3D
12:35pm	IOT Case Study	Capital Effectiveness - Industrial Project Delivery & Front End Loading (FEL). Darrin Hawkes, MEL	How to effectively use Computational Tools in design and Problem Solving Paul Bosauder
1:05	Lunch, Exhibition Viewing & Networking		
2:10	- Closing Forum Discussion – Tying it all together!		
2:40	CLOSING KEYNOTE		
3:20	MESNZ 2021 Conference Wrap-up and Closing Remarks		
3:30pm	Conference Closes		

