



Laboratory Technicians'  
Association of Victoria Inc.

# LABCON2024

Pullman & Mercure Albert Park  
65 Queens Road, Melbourne

**14 & 15 November 2024**

*Bringing Excellence to Science Education*

*The Conference specifically for  
Laboratory Technicians*

REGISTRATION  
NOW OPEN



## Why you should attend **LABCON2024**

LABCON2024 enables you to hear from two keynote speakers, select up to 10 workshops to attend and see the latest equipment and tools available to lab techs.

- Meet with your colleagues to discuss all the issues that are an everyday part of our profession
- Get to know your suppliers by visiting the various displays whilst at LABCON
- Enjoy the chance to socialise with your colleagues during the catering breaks
- Attend the conference dinner on Thursday evening

# Registration Information

## How to Register

Register **ONLINE**: [www.ltav.org.au](http://www.ltav.org.au)

**EMAIL**: [info@margscarlett.com](mailto:info@margscarlett.com)

**POST**: PO Box 208, Lynbrook VIC 3975

Or **SCAN the form and EMAIL to**: [info@margscarlett.com](mailto:info@margscarlett.com)

complete all sections of the form. This includes your details, workshop selection and ensure you provide more than one choice as workshops book out very quickly.

## Registration Payment

You can pay in one of three ways:

1. Provide a school purchase order number on your registration form
2. Credit Card payment online
3. EFT Direct Debit into the LTAV Account:  
Bank: Commonwealth Bank of Australia, Warragul,  
BSB: 063532 Account Number: 10401068  
Account Name:  
Laboratory Technicians Association of Victoria Inc.  
**Note: EFT payments – it is IMPORTANT that you email your EFT advice to [info@margscarlett.com](mailto:info@margscarlett.com)**

## Accommodation

Both at the conference venue, 65 Queens Road, Melbourne

### Pullman Albert Park, Melbourne

Accommodation: Classic Room 1 King or 2 Single Beds

Rates: \$200 per room per night  
\$230 per room per night includes One Hot Breakfast  
\$260 per room per night includes Two Hot Breakfasts

### Mercure Albert Park, Melbourne

Accommodation: Standard Room 1 King or 2 Single Beds

Rates: \$150 per room per night  
\$180 per room per night includes One Hot Breakfast  
\$210 per room per night includes Two Hot Breakfasts

## Conference Dinner

The dinner this year will be held at Pullman Albert Park, Melbourne in the Grand Ballroom 5&6.

Attendance at the Conference Dinner on Thursday evening is complimentary for workshop presenters who have pre-registered.

## Cancellation Policy

All cancellations must be made in writing to the Conference Secretariat. Cancellations received prior to the registration deadline of **15 October 2024** will receive a refund less an administration fee of \$100. No refund will be given after this date; however, an alternative delegate name may be submitted. You may wish to take out insurance to cover forced cancellation.

## Conference Secretariat

Marg Scarlett, LABCON Conference Manager

Tel: 0419 805 362

Email: [info@margscarlett.com](mailto:info@margscarlett.com)

Mail: LABCON Conference Secretariat,  
PO Box 208, Lynbrook VIC 3975

## Conference Venue

### Pullman Albert Park, 65 Queens Road, Melbourne

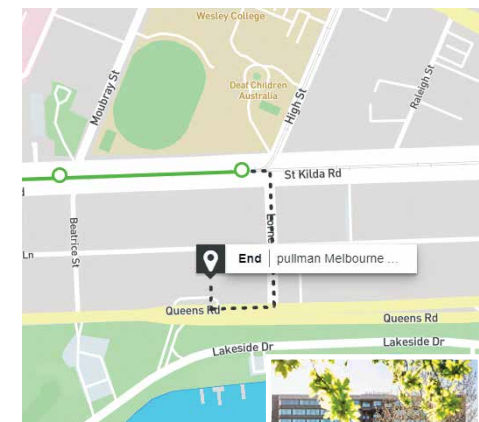
Located near St Kilda and the Chapel Street precincts, the Pullman and Mercure Albert Park, Melbourne is an upscale hotel overlooking picturesque Albert Park Lake, home to the Formula 1 Australian Grand Prix. From here, it's just moments to the top tourist attractions and activities in Melbourne.

## How to Get There

The site is easily accessible via public transport on Tram 5 from Federation Square/Swanston Street and exit at stop 27 – High St/St Kilda Rd. Then a short six-minute walk to the site.

## Car Parking – is at your own expense

The car park is conveniently located beneath the hotel and accessible via Lorne Street. The rate is \$20 (cost per exit/or per 24 hours whichever occurs first). Normally the rate is \$40. There is one further car park in close proximity to the hotel to ensure ample space is available.



# Invitation from the President to attend **LABCON2024**

## **Welcome to LABCON2024.**

LABCON is one of the most significant and comprehensive PD opportunities for our profession. We will be at Pullman Albert Park Melbourne located at 65 Queens Road, Melbourne. There is onsite parking for a discounted price.

We are happy to announce that we are presenting a new format that will offer more opportunities to our attendees. Instead of the usual format that allows for three workshops per day, we will be offering four workshops running for a slightly shorter time span. We greatly appreciate MSGE for allowing us to host LABCON there over the past years, however we understand that they were no longer able to host us due to time constraints.

The cost of LABCON is as low as we can make it and it is not unreasonable to ask your school to fund you. If they do not it is tax deductible.

Among the many opportunities that LABCON offers you are:

- Sessions that can better your skills in specific areas, as well as improve your knowledge of chemicals and safety.
- A chance to meet with your committee members and speak with them in person. Though you are welcome to contact them throughout the year. Their details are on the back of Lablines.
- The opportunity of members to attend the AGM and vote.
- See displays and sessions from science suppliers and ask any questions regarding their products that you may have.
- A chance to socialise with your peers and put a face to the person behind the email address.
- Opportunity to attend the conference dinner.

Sessions have a limited capacity so, the earlier you register the more likely you are to get the sessions you want and remember you get a substantial discount if you are a member of LTAV.

We look forward to seeing you at **LABCON2024**.

Sincerely,

## **Mary L. Jones**

*President, LTAV (Inc.)*

## Keynote Speakers



**Thursday 14 November 2024**

9.00am-10.00am

### **Tony Wood**

Energy and Climate Change Program Director, Grattan Institute

### *Climate Change and Energy: Keeping the lights on*

Tony has been Director of the Energy Program since 2011 after 14 years working at Origin Energy in senior executive roles.

From 2009 to 2014 he was also Program Director of Clean Energy Projects at the Clinton Foundation, advising governments in the Asia-Pacific region on effective deployment of large-scale, low-emission energy technologies. In 2008, he was seconded to provide an industry perspective to the first Garnaut climate change review.

In January 2018, Tony was awarded a Member of the Order of Australia in recognition of his significant service to conservation and the environment, particularly in the areas of energy policy, climate change and sustainability. In October 2019, Tony was elected as a Fellow to the Australian Academy of Technology and Engineering.



**Friday 15 November 2024**

9.00am-10.00am

### **Natalia Hernandez**

Forensic Officer, Biological Sciences Group,  
Forensic Services Department, Victoria Police

### *An inside look at the work at the Victoria Police Forensic Services Department*

The presentation will offer an overview of essential forensic procedures, providing attendees with a behind-the-scenes look at the meticulous processes involved in evidence recovery and analysis, as performed by the Victoria Police Forensic Services Department (FSD). Focusing on the extraction of biological materials the conversation will expand to cover the diverse range of forensic work spanning various areas of forensic science and explore the work, techniques and day-to-day activities of the various groups at the FSD.

# LABCON2024 – Program in Detail

Thursday 14 November 2024



7.30am	Registration			Grand Ballroom Lobby
8.50am-9.00am	Conference Opening Day One <b>Mary Jones</b> , President LTAV			Ballroom 1 & 2
9.00am-10.00am	KEYNOTE SPEAKER <b>Tony Wood</b> , Grattan Institute <i>Climate Change and Energy: Keeping the lights on</i>			
10.00am-10.30am	ANNUAL GENERAL MEETING <b>Mary Jones</b> , President, LTAV			
10.30am-11.00am	Morning Tea and Exhibition			Grand Ballroom Lobby
11.00am -12.45pm	Concurrent workshops x <b>90 minutes</b>			
<b>T1</b> <b>Chemical Disposals for the School Lab</b> Callum Stagg, Envirostore Chemical Consulting & Lisa Stevens, Lisa J Stevens & Associates	<b>Albert</b>	<b>T2</b> <b>Essential OHS Refresher</b> Andrea Rowe Safety Action Pty Ltd	<b>Ballroom 6</b>	<b>T3</b> <b>Fix It Forum</b> Harvey Edwards Principles & Practice
				<b>Victoria</b>
				<b>T4</b> <b>The Rock Cycle: The Science of Minerals and Rocks</b> Dr James Driscoll & Anna Zonneveld Monash University
				<b>Ballroom 4</b>
11.00am-11.45am	Concurrent workshops x <b>45 minutes</b>			
<b>T5</b> <b>The Weird and Wonderful, Bizarre and Unusual Scientists</b> Dr Jeff Hughes RMIT University	<b>Ballroom 1 &amp; 2</b>	<b>T6</b> <b>The Science of the Ridiculous</b> Stuart Lewis Scientrific Pty Ltd	<b>Ballroom 3</b>	<b>T7</b> <b>Getting Results from STEM Type Practicals</b> Dale Carroll The Geelong College
				<b>Ballroom 5</b>
<b>T8</b> <b>Reducing Your Environmental Footprint in the School Laboratory</b> Rebecca Blowfield Billanook College	<b>Lake 1 &amp; 2</b>	<b>T9</b> <b>Lab Essential – The Smart Cart</b> Doug Bail Cider House Tech Pty Ltd	<b>Lake 3</b>	<b>T10</b> <b>Decontaminating General Laboratory Waste</b> Glenda Arendse Peninsula Grammar
				<b>Lake 4</b>
11.45am -12.00pm	CHANGE ROOMS			
12.00pm-12.45pm	Concurrent workshops x <b>45 minutes</b>			
<b>T11</b> <b>Micropropagation &amp; Tissue Culture at the SCG Biolab</b> Claudia Sorace Southern Cross Grammar	<b>Ballroom 1 &amp; 2</b>	<b>T12</b> <b>The Science of Us – Measuring Humans using Vernier Data Loggers</b> Stuart Lewis Scientrific Pty Ltd	<b>Ballroom 3</b>	<b>T13</b> <b>Cool Science: Harnessing Liquid Nitrogen and Dry Ice for Engaging Learning</b> Kartini Beghin Mad About Science
				<b>Ballroom 5</b>
<b>T14</b> <b>Things that go Bang</b> Geoff Gleadall LTAV Immediate Past President	<b>Lake 1 &amp; 2</b>	<b>T15</b> <b>The Evolution of Science Spaces</b> Ted Fowler Westlab	<b>Lake 3</b>	<b>T16</b> <b>Decontaminating General Laboratory Waste</b> Glenda Arendse Peninsula Grammar
				<b>Lake 4</b>
12.45pm-1.30pm	Lunch and Exhibition			Grand Ballroom Lobby

Select one of the above 90 minute workshops  
OR  
Select one of the 45 minute workshops from each of these two time slots



1.30pm-3.15pm		Concurrent workshops x <b>90 minutes</b>				
<b>T17</b>	<b>Ballroom 4</b>	<b>T18</b>	<b>Ballroom 5</b>	<b>T19</b>	<b>Ballroom 6</b>	
<b>How We Communicate the Science of Climate Change – Healthy Earth: Priceless, Dying Earth: Iceless</b> Dr James Driscoll, Monash University		<b>Bringing the Fun to Physics</b> Amanda Lovett Modern Teaching Aids		<b>A Hands Guide to Keeping your Lab Equipment Functioning?</b> Rod Aggett Edu Supplies		
<b>T20</b>	<b>Albert</b>	<b>T21</b>	<b>Lake 1 &amp; 2</b>	<b>T22</b>	<b>Lake 3</b>	
<b>Workplace Inspections and Laboratory Audits 101</b> Lisa Stevens & Dr Neale Jackson Lisa J Stevens & Associates		<b>Integrating Environmental Science in the Classroom</b> Erika Trickett John Monash Science School		<b>What Rock Is That?</b> Peter Nisbet		
1.30pm-2.15pm		Concurrent workshops x <b>45 minutes</b>				
<b>T23</b>	<b>Ballroom 1 &amp; 2</b>	<b>T24</b>	<b>Ballroom 3</b>	<b>T25</b>	<b>Victoria</b>	
<b>3D Printing</b> James Cutting Southern Cross Grammar		<b>Physics Playground-Exploring High School Physics</b> Stuart Lewis, Scientrific Pty Ltd		<b>Tips and Tricks for Techs</b> Leonie Leishman Cranbourne East Secondary College		
<b>T26</b>	<b>Lake 4</b>	<b>Decontaminating General Laboratory Waste</b> Glenda Arendse Peninsula Grammar				
2.15pm -2.30am		CHANGE ROOMS				
2.30pm-3.15pm		Concurrent workshops x <b>45 minutes</b>				
<b>T27</b>	<b>Ballroom 3</b>	<b>T28</b>	<b>Ballroom 1 &amp; 2</b>	<b>T29</b>	<b>Victoria</b>	
<b>A Healthy Land-Measuring the Environment with Vernier Data Loggers</b> Stuart Lewis, Scientrific Pty Ltd		<b>The Weird and Wonderful, Bizarre and Unusual Scientists</b> Dr Jeff Hughes, RMIT University		<b>First Year as Lab Tech</b> Dr Leena Dharmarathne Westbourne Grammar School		
<b>T30</b>	<b>Lake 4</b>	<b>Magic of Science from Dinosaurs to Rockets</b> Peter Razos Caulfield Grammar				
3.15pm –3.30pm		Afternoon Tea and Exhibition				
3.30pm-4.15pm		Concurrent workshops x 45 minutes				
<b>T31</b>	<b>Ballroom 1 &amp; 2</b>	<b>T32</b>	<b>Ballroom 3</b>	<b>T33</b>	<b>Ballroom 4</b>	
<b>Meteorites</b> Trevor Hand MPAS		<b>STEM Approaches using Data Loggers</b> Stuart Lewis Scientrific Pty Ltd		<b>The Science of Plate Tectonics: Can We Predict Earthquakes?</b> Dr James Driscoll, Monash University		
<b>T34</b>	<b>Ballroom 5</b>	<b>First Year as Lab Tech</b> Dr Leena Dharmarathne Westbourne Grammar School				
<b>T35</b>	<b>Lake 1 &amp; 2</b>	<b>T36</b>	<b>Lake 3</b>	<b>T37</b>	<b>Albert</b>	
<b>Back to the Future</b> Mary Jones, Keilor Downs College and Lynette Baker, Assumption College Kilmore		<b>Rock/Mineral Stories: Rock and Mineral Kit Teaching Packs</b> Peter Nisbet, TESEP		<b>Algae Balls and Photosynthesis</b> Roslyn Clark, Melbourne High School and Sonia Holland, Star of The Sea College		
<b>T38</b>	<b>Victoria</b>	<b>Engaging Science with Origami Models – Interactive Heart Dissection!</b> Daniela Migliorati, Science Supply Australia & Marcia Rogerson, Rivercrest Christian College				
<b>T39</b>	<b>Lake 4</b>	<b>Pets and Composting – Examples of the Sustainability Program at Avila College</b> Anna Burns, Avila College				
4.15pm		Conference Close – Day One				
6.00pm-10.00pm		<b>LABCON CONFERENCE DINNER</b>			<b>Grand Ballroom 5 &amp; 6</b>	
		Sponsored by				
		The Conference Dinner gives us all a chance to socialise and to acknowledge those who have made significant contributions to our profession. The evening includes a 3 course dinner and beverages. 'Bustagroove" will provide the music.				
		 modern teaching aids				

Select one of these 90 minute workshops  
OR  
Select one of the 45 minute workshops from each of these two time slots

# LABCON2024 – Program in Detail

Friday 15 November 2024

8.00am	Registration			Grand Ballroom Lobby	
8.55am-9.00am	Conference Opening Day Two <b>Mary Jones</b> , President LTAV			Ballroom 1 & 2	
9.00am-10.00am	KEYNOTE SPEAKER <b>Natalia Hernandez</b> , Victoria Police <i>An inside look at the work at the Victoria Police Forensic Services Department</i>				
10.00am-10.30am	Morning Tea and Exhibition			Grand Ballroom Lobby	
10.30am -12.15pm	Concurrent workshops x 90 minutes				
<b>F40</b> <b>A Hands-On Guide to Keeping Your Lab Equipment Functioning!</b> Rod Aggett Edu Supplies	Ballroom 6	<b>F41</b> <b>Bringing the Fun to Physics</b> Amanda Lovett Modern Teaching Aids	Ballroom 5	<b>F42</b> <b>Growing Eco-Concerns Among Students, it's Vital to Nurture Environmental Awareness</b> Subagini Nakuladeva Essendon Keilor College	<p>Select one of these 90 minute workshops OR Select one of the 45 minute workshops from each of these two time slots</p>
<b>F43</b> <b>Workplace Inspections and Laboratory Audits 101</b> Lisa Stevens & Dr Neale Jackson Lisa J Stevens & Associates	Albert	<b>F44</b> <b>Engaging Science with Origami Models – Interactive Fish Dissection!</b> Daniela Migliorati, Science Supply Australia & Marcia Rogerson Rivercrest Christian College	Victoria	<b>F45</b> <b>Creative Science: Mindful Crafts for Lab Technicians</b> Jenny Emery KooWeeRup Secondary College	
<b>F46</b> <b>Volcanoes What a Blast!</b> Peter Nisbet	Ballroom 4				
10.30am-11.15am	Concurrent workshops x 45 minutes				
<b>F47</b> <b>A Healthy Land-Measuring the Environment with Vernier Data Loggers</b> Stuart Lewis Scientrific Pty Ltd	Ballroom 3	<b>F48</b> <b>Back to the Future</b> Mary Jones, Keilor Downs College and Lynette Baker, Assumption College Kilmore	Lake 1 & 2	<b>F49</b> <b>Decontaminating General Laboratory Waste</b> Glenda Arendse Peninsula Grammar	<b>F50</b> <b>Micropropagation &amp; Tissue Culture at the SCG Biolab</b> Claudia Sorace Southern Cross Grammar
11.15am -11.30am	CHANGE ROOMS				
11.30am-12.15am	Concurrent workshops x 45 minutes				
<b>F51</b> <b>The Science of the Ridiculous</b> Stuart Lewis Scientrific Pty Ltd	Ballroom 3	<b>F52</b> <b>Forensic Science: A Catalyst to Scientific Inquiry</b> Dr Thelma-Jean Spence and Leanne Caira Swinburne University	Lake 1&2	<b>F53</b> <b>Magic of Science from Dinosaurs to Rockets</b> Peter Razos Caulfield Grammar	<b>F54</b> <b>3D Printing</b> James Cutting Southern Cross Grammar
12.15pm-1.00pm	Lunch and Exhibition			Grand Ballroom Lobby	

1.00pm -2.45pm		Concurrent workshops x <b>90 minutes</b>			
<b>F55</b> <b>Fix It Forum</b> Harvey Edwards Principles and Practice	<b>Victoria</b>	<b>F56</b> <b>Integrating Environmental Science in the Classroom</b> Erika Trickett, John Monash Science School	<b>Lake 1 &amp; 2</b>	<b>F57</b> <b>Chemical Disposals for the School Lab</b> Callum Stagg, Envirostore Chemical Consulting and Lisa Stevens, Lisa J Stevens & Associates	<b>Albert</b>
		<b>F58</b> <b>5G and Health</b> A/Prof Ken Karipidis and Rohan Mate ARPANSA	<b>Ballroom 1 &amp; 2</b>		
1.00pm -1.45pm		Concurrent workshops x <b>45 minutes</b>			
<b>F59</b> <b>The Mystery Experiments for Solving Mysterious Crimes</b> Dr Radhika Iyer, Mullauna College	<b>Ballroom 4</b>	<b>F60</b> <b>Getting Results from STEM Type Practices</b> Dale Carroll The Geelong College	<b>Ballroom 5</b>	<b>F61</b> <b>Things that go Bang</b> Geoff Gleadall LTAV Immediate Past President	<b>Ballroom 6</b>
<b>F62</b> <b>Practical Investigations of Electromagnetic Induction</b> Doug Bail, Cider House Tech Pty Ltd	<b>Lake 3</b>	<b>F63</b> <b>Decontaminating General Laboratory Waste</b> Glenda Arendse Peninsula Grammar	<b>Lake 4</b>	<b>F64</b> <b>Physics Playground-Exploring High School Physics</b> Stuart Lewis, Scientrific Pty Ltd	<b>Ballroom 3</b>
1.45pm -2.00pm		CHANGE ROOMS			
2.00pm – 2.45pm		Concurrent workshops x <b>45 minutes</b>			
<b>F65</b> <b>Forensic Science: A Catalyst to Scientific Inquiry</b> Dr Thelma-Jean Spence and Leanne Caira Swinburne Univefrsity	<b>Ballroom 4</b>	<b>F66</b> <b>CHEMWATCH Refresher Workshop – for Experienced Users</b> Arlene Villafranca CHEMWATCH	<b>Ballroom 5</b>	<b>F67</b> <b>The Mystery Experiments for Solving Mysterious Crimes</b> Dr Radhika Iyer Mullauna College	<b>Ballroom 6</b>
<b>F68</b> <b>The Evolution of Science Spaces</b> Ted Fowler Westlab	<b>Lake 3</b>	<b>F69</b> <b>Magic of Science from Dinosaurs to Rockets</b> Peter Razos Caulfield Grammar	<b>Lake 4</b>	<b>F70</b> <b>Key Experiments: Inquiry Approaches Using Vernier Data Loggers in High School Science</b> Stuart Lewis, Scientrific Pty Ltd	<b>Ballroom 3</b>
2.45pm – 3.15pm		Afternoon Tea and Exhibition Draw Exhibitor Passport Prizes		<b>EXHIBITION PRIZE DRAW</b> Ensure your passport is in the draw to win one of the many prizes on offer.	<b>Grand Ballroom Lobby</b>
3.15pm – 4.00pm		Concurrent workshops x 45 minutes			
<b>F71</b> <b>Aseptic Techniques for School Laboratory Technicians</b> Shadab Perveen, Box Hill Institute	<b>Ballroom 3</b>	<b>F72</b> <b>Triple R Meeting</b> Deborah Sun LTACV Regional Liaison Officer	<b>Ballroom 4</b>	<b>F73</b> <b>Cool Science: Harnessing Liquid Nitrogen and Dry Ice for Engaging Learning</b> Kartini Beghin, Mad About Science	<b>Ballroom 5</b>
<b>F75</b> <b>Meteorites</b> Trevor Hand MPAS	<b>Ballroom 1 &amp; 2</b>	<b>F76</b> <b>Decontaminating General Laboratory Waste</b> Glenda Arendse Peninsula Grammar	<b>Lake 4</b>	<b>F77</b> <b>Tips and Tricks for Techs</b> Leonie Leishman Cranbourne East Secondary College	<b>Victoria</b>
<b>F79</b> <b>Rock/Mineral Stories: Rock and Mineral Kit</b> Teaching Packs Peter Nisbet, TESEP	<b>Lake 3</b>	<b>F80</b> <b>Pets and Composting – Examples of the Sustainability Program at Avila College</b> Anna Burns, Avila College	<b>Lake 4</b>		
4.15pm		Conference Close			

Select one of these 90 minute workshops  
OR  
Select one of the 45 minute workshops from each of these two time slots

# LABCON2024 Keynote Descriptions

**Thursday 14 November 2024**

9.00am-10.00am

*Climate Change and Energy: Keeping the lights on*

**Tony Wood**, Grattan Institute



Australia must urgently plan a new energy system for the imminent post-coal era.

[Download the report](#)

[Download the chart data](#)

Coal will cease to be a material contributor to the National Electricity Market (the NEM) by about 2032.

The federal and state governments need to start designing a new NEM now to ensure the lights stay on and electricity remains affordable into the renewables-dominated net-zero era.

Australia's great energy transition – from fossil fuels to renewables – is not going well.

Governments have lost faith in the market being able to deliver enough electricity to the right places at the right time, consumers are fuming about high power prices, and investors have been spooked by frequent and unpredictable government interventions.

Australia may be able to muddle through the next few years with the current messy mix of ad hoc and uncoordinated policies, but Australians will not forgive their political leaders if they mess up the post-coal era and fail to deliver the trifecta of clean, affordable, and reliable energy.

There are three priorities for planning the net-zero energy system:

1. Designing a market structure that will help ensure adequate energy resources in a high-renewables system.
2. Signalling the introduction of an enduring carbon price for the energy sector, to guide future investments and gas plant closures.
3. Integrating and coordinating so-called distributed energy resources such as batteries and rooftop solar.

Australia's future prosperity depends on governments getting this right.

This report charts a path through the energy policy minefield.

**Friday 15 November 2024**

9.00am-10.00am

*An inside look at the work at the Victoria Police Forensic Services Department*

**Natalia Hernandez**, Victoria Police



The presentation will offer an overview of essential forensic procedures, providing attendees with a behind-the-scenes look at the meticulous processes involved in evidence recovery and analysis, as performed by the Victoria Police Forensic Services Department (FSD).

Focusing on the extraction of biological materials the conversation will expand to cover the diverse range of forensic work spanning various areas of forensic science and explore the work, techniques and day-to-day activities of the various groups at the FSD.



**Laboratory Technicians'  
Association of Victoria Inc.**

**NOT AN LTAV MEMBER  
BUT WANT TO JOIN?**

**Free Membership  
for first year Lab Techs**

**Go to  
[www.ltav.org.au](http://www.ltav.org.au)**



**Laboratory Technicians'  
Association of Victoria Inc.**

**DISCOUNTED RATES  
FOR LTAV MEMBERS**

**Please check the status  
of your membership  
before lodging your  
registration form.**

**Contact:  
[membership@ltav.org.au](mailto:membership@ltav.org.au)**



# LABCON2024 Workshop Descriptions – Alphabetical by topic

## 3D Printing

James Cutting, Southern Cross Grammar

T23 F54

My presentation will cover the full workflow of 3D printing, I am happy to showcase the one I built from scratch, the ones that schools are using and their vast functionality. 3D printing is an additive technology used to manufacture parts by fusing layers of material upon one another. It's typically fast, with low fixed setup costs, and can create more complex geometries than 'traditional' technologies, with an ever-expanding list of materials. It is used extensively in the engineering industry, particularly for prototyping and creating lightweight geometries. This will cover how a 3D printer works mechanically, setup, basic maintenance and daily troubleshooting and management, how to locate files to print, how to manipulate these files and what to do with a finished print, which can include finishing and painting

[New Session](#)

## 5G and Health

A/Prof Ken Karipidis & Rohan Mate, ARPANSA

F58

5G is the new generation of mobile phone technology and there is some public concern regarding potential adverse health effects. But is there anything really to worry about?

[New Session](#)

## A Hands-On Guide to Keeping Your Lab Equipment Functioning!

Rod Aggett, Edu Supplies

T19 F40

Learn how to keep your school lab gear in top shape! Join us for a presentation on microscope, balance and pipette maintenance and care. Gain invaluable insights and practical tips for troubleshooting issues as well as a step-by-step guide on how to get your equipment back up and running!

[New Session](#)

## A Healthy Land – Measuring the Environment with Vernier Dataloggers

Stuart Lewis, Scientrific Pty Ltd

T27 F47

The natural world is made-up of many complex systems that connect together.

This workshop will look at using datalogging to measure various environmental conditions in plants, the soil and water.

- Looking at chlorophyll in plants
- Investigating plant photosynthesis

[New Session](#)

## Algal Balls and Photosynthesis

Ros Clark, Melbourne High School

& Sonia Holland, Star of The Sea College

T37 F78

Are you looking for a simple and reliable Photosynthesis Practical, that's easy for students to prepare and gives great results? We have been making our own Algal balls and using them for several different practicals for Year 9 Ecology and Year 12 Biology. Come along and learn how to grow Algae cultures. Have a go at making your own Algal Balls. Learn about the various experiments they can be used for.

[Repeat Session](#)

## Aseptic Techniques for School Laboratory Technicians

Shadab Perveen, Box Hill Institute

F71

Aseptic techniques are crucial in school laboratories to minimize contamination risks and ensure student safety. They offer numerous advantages, including reducing infection risk, preventing contamination, and maintaining a safe learning environment. Adhering to World Health Organization (WHO) handwashing and gloving guidelines is essential. Proper handwashing involves using soap and water or alcohol-based hand rub, washing for at least 20 seconds, and ensuring all hand surfaces are cleaned. Regarding gloving, WHO recommends using suitable glove sizes, changing gloves

between procedures, and avoiding the reuse of disposable gloves. Employing biological indicators to verify equipment sterilization quality is also effective. These practices uphold a sterile environment, enhance safety, and enrich students' educational experiences in lab settings.

[New Session](#)

## Back to the Future

Mary Jones, Keilor Downs College

& Lynette Baker, Assumption College Kilmore

T35 F48

Hopefully everyone remembers the classic movie trilogy. We are taking our inspiration for this session by looking back at past activities that can still be incorporated to make today brighter for our students and lead to good practices in the future and hopefully save them from harm. Join us on our adventure to present you with a series of activities that will not break your budget, hopefully lead to engaging students, while addressing our current curriculums. Sit back, buckle up and get ready to blast through the past into the present, and find something to bring into the future, we only wish that we had a real DeLorean.

[New Session](#)

## Bringing the Fun to Physics

Amanda Lovett, Modern Teaching Aids – MTA

T18 F41

Discover new and exciting ways to teach Year 7-10 Environmental and Physics concepts with simple, easy to run activities. Participants will explore exciting hands-on experiments and activities and see how easy it is to deepen students understanding in a fun and engaging environment with curriculum aligned resources to take back to school. Participants will design an energy efficient house, explore forces and motion using a rollercoaster, launch ping pong balls using slingshots and catapults, and more!

[New Session](#)

## Chemical Disposals for the School Laboratories

Callum Stagg, Envirostore Chemical Consulting  
& Lisa Stevens, Lisa J Stevens & Associates

T1 F57

Do you know the difference between industrial waste and trade waste? Do you know what can and cannot be tipped down a Victorian laboratory sink? This session will cover the regulatory framework for laboratory waste disposal, different waste streams, trade waste agreements, and how laboratory technicians can work with their chemical waste contractor to recycle, reduce costs (and potential fines) while understanding the importance of responsible chemical disposal.

New session

## Chemwatch Refresher Workshop – for Experienced Users

Arlene Villafranca, CHEMWATCH

F66

The Internet is a vast resource for Chemical information, but while much of it is relevant to schools, much of it does not comply with Australian legislation. We demonstrate the Chemwatch Internet program and its use in achieving compliance with Hazardous Substances Regulations.

We will cover during the session the following topics:

- Search function
- Vendor SDS v Gold docs
- Creating Chemical inventory
- Creating Label, QR code
- Credo module
- Q and A

Repeat Session

## Cool Science: Harnessing Liquid Nitrogen and Dry Ice for Engaging Learning

Kartini Beghin, Mad About Science

T13 F73

This session offers educators a comprehensive training session on the safe and effective use of liquid nitrogen and dry ice in educational settings. Participants will gain insights into ordering, storing, and handling liquid nitrogen and dry ice, ensuring safety for lab techs, teachers and students involved. With a focus on aligning fun demonstrations with learning outcomes, attendees will discover practical and engaging ways to incorporate these super cool chemicals into their curriculum.

New Session

## Creative Science: Mindful Crafts for Lab Technicians

Jenny Emery, Koo Wee Rup Secondary College

F45

Join us for a relaxing and creative session where we'll make science-themed bookmarks and greeting cards, offering a unique way to unwind and de-stress. This hands-on workshop will spark your creativity and provide a mindful break from your daily routine. Whether you're crafting nature-inspired bookmarks or chemistry lab-themed greeting cards, this session blends science and art to help you relax, rejuvenate, and (re)discover the joy of making.

New Session

## Decontaminating General Laboratory Waste

Glenda Arendse, Peninsula Grammar T10 T16 T26 F49 F63 F76

To minimise onsite chemical waste accumulation, and reduce potentially harmful effects to the environment, maximum efforts are made to decontaminate chemical waste produced in school laboratory practicals. Chemical processes of precipitation are employed to treat chemical waste to reduce hazardous waste volumes stored onsite before accessing external disposal contractors (usually once a year), and ensure that any flushed waste is not detrimental to the environment. Processes of extraction and precipitation of harmful metal ions

from inorganic compounds are employed.

New Session

## Engaging Science with Origami Models – Interactive Fish Dissection!

Daniela Migliorati, Science Supply Australia  
& Marcia Rogerson, Rivercrest Christian College

F44

In this hands-on workshop we will discover an alternative to real life fish dissection with our engaging Origami model! Buying and sourcing fish can be expensive. Why not try Fish Origami? There has been much concern about the ethical considerations of using animals in teaching. In this workshop we move away from "live experimentation" to an interactive sustainable workshop. Learning through fun is the key to students retaining information as all students learn differently! Origami models are a diverse and interesting way to teach topics in the classroom. The Laboratory technician will also be happy, no messy smelly fish carcass to clean up! All material will be provided in the session

New Session

## Engaging Science with Origami Models – Interactive Heart Dissection!

Daniela Migliorati, Science Supply Australia  
& Marcia Rogerson, Rivercrest Christian College

T38

In this hands-on workshop we will discover an alternative to real life heart dissection with our engaging Origami model! Buying and sourcing hearts can be expensive. Why not try an Origami model? There has been much concern about the ethical considerations of using animals in teaching. In this workshop we move away from "live experimentation" to an interactive sustainable workshop. Learning through fun is the key to students retaining information as all students learn differently! Origami models are a diverse and interesting way to teach topics in the classroom. All material will be provided in the session.

Repeat Session

## Essential OHS Refresher

Andrea Rowe, Safety Action Pty Ltd

T2

An essential session for new and refresher for experienced laboratory technicians. You will learn the key requirements of the Occupational Health and Safety (OHS) and Dangerous Goods laws for chemicals. You will learn: the difference between a Dangerous Good, Hazardous Chemical and Hazardous Substance, when a risk assessment is required, your personal responsibilities, how to label chemical containers, which chemicals need to be separated.

[Repeat Session](#)

## First Year as Lab Tech

Dr Leena Dharmarathne, Westbourne Grammar School T29 T34

How to become efficient and organised to create a safe laboratory environment. First year as a Lab Tech can be challenging. By being organised and by following safety protocols one can become efficient and effective. This presentation highlights important aspects in creating a safe laboratory environment.

[New Session](#)

## Fix It Forum

Harvey Edwards, Principles and Practice

T3 F55

Harvey Edwards of Principles and Practice, with too many years of trying to repair science equipment, will host a forum where we will all get to talk about how we fix things, how we fail to fix things and how we might try to fix things. The emphasis will be on practical approaches to equipment failure problems. Hopefully YOU will help determine what we discuss.

**So please SMS Harvey (0459 768 392) to get him to hear your ideas on what equipment we should discuss during the forum.**

[New Session](#)

## Forensic Science: A Catalyst to Scientific Inquiry

Dr Thelma-Jean Spence

& Leanne Caira, Swinburne University

F52 F65

Student engagement with science flourishes when learning is presented as an investigative process. By framing the curriculum around the captivating theme of forensic science, educators can transform classrooms into active crime scenes for learning. This approach ignites curiosity as students become detectives, tasked with utilising scientific tools and techniques to solve crimes. KIOSC's workshop capitalises on this natural fascination by showcasing real-world forensic tools like fingerprinting kits and FTIR spectroscopy. Through hands-on activities like blood, DNA and drug analyses, the workshop will equip educators with engaging strategies to foster scientific inquiry and empower students to take ownership of their learning.

[New Session](#)

## Getting Results from STEM Type Practicals

Dale Carroll, The Geelong College

T7 F60

This session will explore some STEM/Investigative type practicals and how to safely get meaningful results. We will look at some examples of practicals from year 9/10 and Y12. It is a good learning experience for some students to experience not getting meaningful results from their experiment, however there will be others that get frustrated. Having a base where they get some results and then others can go above and beyond to explore their interests.

There is no right or wrong way of doing these so please bring along your ideas to share.

[New Session](#)

## Growing Eco-Concerns Among Students, it's Vital to Nurture Environmental Awareness

Subagini Nakuladeva, Essendon Keilor College

F42

This presentation promotes the use of microscale chemistry experiments in schools. These experiments involve minimal chemicals, cutting down on costs and waste. They're safer for students to handle due to smaller volumes, and they can be conducted using everyday materials, saving money and storage space.

[New Session](#)

## How We Communicate the Science of Climate Change – Healthy Earth: Priceless, Dying Earth: Iceless

Dr James Driscoll, Monash University

T17

Donald Trump thinks wind turbines kills whales while Pauline Hanson blames the current climate crisis on volcanoes. How do we cut through climate disinformation and misinformation? In this session, James will introduce participants to the revised Climate Fresk teaching resource and demonstrate how it can be used to communicate the science underpinning climate change.

[New Session](#)

## Integrating Environmental Science in the Classroom

Erika Trickett, John Monash Science School

T21 F56

The world of Environmental science is ever changing with international climate projections being a "hot" topic, the movement to green energy and understanding of observations sparking interest in more students in this ever-evolving subject area.

This session will give you a broad range of environmental activities and demos to incorporate into junior science and VCE.

[New Session](#)

# LABCON2024 Workshop Descriptions – Alphabetical by topic

## Key Experiments: Inquiry Approaches Using Vernier Data Loggers in High School Science

Stuart Lewis, Scientrific Pty Ltd

F70

Are you looking for new ways of collecting data related to experiments in the Australian Curriculum?

Multiple workstations will be set up for participants to experiment with support from our presenter.

The experiments may include:

- Boyle's Law and chemical reaction rates
- Spectroscopy and Beers Law
- Newton's laws of motion
- Electrical induction and electromagnetism
- Respiration

Ideas for further investigations will also be explored.

[Repeat Session](#)

## Lab Essential – The Smart Cart

Doug Bail, Cider House Tech Pty Ltd

T9

The Smart Cart is the ultimate tool for your physics lab for studying kinematics, dynamics, Newton's Laws, and more. It includes built-in sensors for measuring force, position, velocity, three axes of acceleration, and three axes of rotational velocity. The versatile Smart Cart can collect measurements on or off a track and transmit the data wirelessly over Bluetooth. It is a wireless dynamics cart that combines all the necessary sensors, without requiring any additional hardware.

[New Session](#)

## Magic of Science From Dinosaurs to Rockets

Peter Razos, Caulfield Grammar

T30 F53 F69

Be prepared to have some fun and to acquire resources that will enable each participant to make an effective contribution to the delivery of several engaging units of work. These range from STEAM (building of Rockets and hydraulic dinosaurs to teaching the Science of Magic.

Participants are encouraged to bring their own device to fully explore how these are used to engage and motivate students at Caulfield.

All participants will be given access to these resources. Have a sneak look at the Science of Magic Unit – [HERE](#) – or the Unit 3 Chemistry – [HERE](#); Unit 4 Chemistry – [HERE](#). Overview – [HERE](#).

[Repeat Session](#)

## Meteorites

Trevor Hand, MPAS

T31 F75

Most meteorites burn up in the atmosphere and never make it to the ground, but some do! Learn what happens during a meteorite impact, how much energy they produce and what happens to the material they impact. Hear about some famous impacts and see real examples of various types of meteorites, including an 11kg example from northern Argentina. After the talk you can hold them in your bare hands, so be sure to have a camera with you.

[Repeat session](#)

## Micropropagation & Tissue Culture at the SCG Biolab

Claudia Sorace, Southern Cross Grammar

T11 F50

At Southern Cross Grammar we have established a micropropagation laboratory. Within, we are tissue culturing orchids, culturing seedlings, fostering from mother plants and developing the processes of tissue culturing (both edible and flora). Join my discussion on the project and enjoy the highly visual accompaniment of seeing what we have created. Detailing our process from start up to an agricultural circular economy

[New Session](#)

## Pets and Composting – Examples of the Sustainability Program at Avila College

Anna Burns, Avila College

T39 F80

Does your college have pet chooks, a worm farm or compost bins? At Avila College we have all of these, which allows us to use and compost food and garden waste from Horticulture and Food Technology classes and the staff kitchen. The pet chooks eat some of the suitable food scraps and the excess are composted. This presentation will include examples of how students and staff are involved in this complete cycle of food waste sustainability. Let's discuss other ideas for improvement.

[New Session](#)

## Physics Playground – Exploring High School Physics

Stuart Lewis, Scientrific Pty Ltd

T24 F64

"Physics is science where you think with your hands"

Are you looking for ways of collecting data related to experiments in the Australian Curriculum – Physics (Especially when inertia keeps you at home)?

This workshop explores Physics using Vernier Dataloggers. With multiple workstations, and support from our presenter, participants will use dataloggers to explore different physics experiments. Topics will include:

- Examining motion using a Motion Probe, a Photogate and Video Analysis
- Investigating electrical induction using magnets
- Magnetic fields in a coil
- Newton's Laws of Motion.

[Repeat Session](#)

## Practical Investigations of Electromagnetic Induction

Doug Bail, Cider House Tech Pty Ltd

F62

A hands-on introduction to electromagnetic induction. Often viewed as “hard” by students, the use of voltage and/or current sensors can bring this topic alive for students, generating broader, deeper understanding and in much less time and lower cost than traditional methods. Even your teachers might understand the topic! We’ll look at generating Lenz and Faraday’s laws from first hand data, generators and transformers.

[New session](#)

## Reducing Your Environmental Footprint in the School Laboratory

Rebecca Blowfield, Billanook College

T8 F74

Laboratories often create a lot of waste and consume a lot of energy and water. If we are to tackle climate change then we need to start looking at how we reduce our environmental impact at work as well as our homes. In this session I will dive into data I’ve collected in a couple of laboratories I’ve worked in and provide simple tips and advice to help your school labs become more environmentally sustainable.

[New Session](#)

## Rock/Mineral Stories – TESEP Rock & Mineral Kit Teaching Packs

Peter Nisbett, TESEP

T36 F79

Every rock and mineral tells a story of Earth history – a mountain-building event/igneous, a volcanic eruption/volcanic, a sedimentary process (weathering by water, wind, ice). Earth scientists use these rock stories in exploration for critical minerals and energy resources needed for hi-tech modern living. Rock Stories, 3D rendered samples and virtuals are linked to integrated TESEP Plate Tectonic poster story – excite your students - tell a rock/mineral story.

[Repeat Session](#)

## STEM Approaches Using Data Loggers

Stuart Lewis, Scientrific Pty Ltd

T32

“STEM is science where you think with your hands” Are you looking for ways of imbedding STEM activities into the Australian Curriculum? Are you looking for a way to revive and extend your existing science equipment? This workshop will use Vernier dataloggers to explore different STEM experiments. Topics will include:

- A reimagining of the classic Egg Drop experiment to include data and tie it to the Curriculum;
- Using Vernier probes with Arduino and Scratch;
- A look at how to build the Microsoft robotic hand challenge.

[New Session](#)

## The Evolution of Science Spaces

Ted Fowler, Westlab

T15 F68

This highly informative session will take you on a journey through the evolution of science teaching and research spaces, from the earliest laboratories to the advanced, integrated, and multidisciplinary facilities of today.

We will explore the impact of these changes on science pedagogy and provide a forward-looking perspective on the future of science space design.

Practical aspects such as LEAN methodology, workflows, storage, and compliance will also be covered, along with sharing of case studies of completed projects and the impacts they have had on laboratory management and teaching outcomes, ensuring a comprehensive understanding of how to create efficient and inspiring science environments.

[New Session](#)

## The Mystery Experiments for Solving Mysterious Crimes

Dr Radhika Iyer, Mullauna College

F59 F67

If you are keen to resolve the puzzles of the crime/s committed, want to be a detective to explore the modus operandi of the crimes, nab the culprit/s, then this session is for you. In this session, we will explore various scenes of crimes and use many hands-on techniques to help solve the various crimes. Suitable for Junior Science classes doing Forensic Science or Senior Year levels to understand various techniques in Chemistry, Biology and Physics.

[New Session](#)

## The Rock Cycle: The Science of Minerals & Rocks

Dr James Driscoll, Monash University

T4

Do your students think the rock cycle is a little ‘dull’? Having problems with engaging your Level 7 & 8 Earth and space sciences students with the identification of rocks and minerals? Join James for tips and tricks on how to make the rock cycle fun and accessible for both students and teachers. This interactive and hands-on session will focus on identification of the main rock-forming minerals.

[Repeat Session](#)

## The Science of Plate Tectonics: Can We Predict Earthquakes?

Dr James Driscoll, Monash University

T33

How’s your geoscientific literacy going? In 2012 six geoscientists were convicted of manslaughter for not predicting the 2009 L’Aquila earthquake in central Italy. In this hands-on session James will use project-based instructional skills to make sense of plate tectonics and associated geological hazards, and consider whether these geoscientists should have been prosecuted.

[Repeat Session](#)

## The Science of the Ridiculous

Stuart Lewis, Scientrific Pty Ltd

T6 F51

The everyday, all around us, is filled with so much wonder that we are flooded by it. We make the extraordinary normal. We forget to take time to play, to be silly, and to find the little sparks that turn it into back into the extraordinary, the ridiculous.

In this workshop we will start playing with science (if necessary, applying it to the curriculum). Fun will be had with (but potentially not limited to): People and their reactions; The mind and what it can hold; Colours; and Food.

[New Session](#)

## The Science of Us – Measuring Humans using Vernier Data Loggers

Stuart Lewis, Scientrific Pty Ltd

T12

Humans are not simple. We are a series of complex systems streamed through a conscious brain. This means that there is a lot that can be measured, from bioelectric impulses required to move muscles to an analysis of touch.

This workshop will use Vernier datalogging equipment to explore topics such as:

- EKG and heart analysis
- Muscle analysis and strength
- Wavelengths of light that fool the eye
- How to tell if a room is well ventilated
- Which feels warmer? Tactile illusions
- How much dye is in foods?

[Repeat Session](#)

## The Weird and Wonderful: Bizarre and Unusual Scientists

Dr Jeff Hughes, RMIT University

T5 T28

Science is full of great discoveries but all discoveries are made by people. They are competent scientists but some are quite bizarre or unusual. This session will look at examples of these scientists, what they discovered and what makes them stand out in many quirky ways. For example one scientist missed out on a very important discovery because of his disagreeable personality so other scientists wouldn't collaborate with him.

[New Session](#)

## Things that go Bang

Geoff Gleadall, LTAV Immediate Past President

T14 F61

A look at demonstrations that involve heat smoke and bangs. This session looks at safely demonstrating gas explosions, fuel air explosions, the thermite reaction and the glycerine/permanganate reaction.

[Repeat Session](#)

## Tips & Tricks for Techs

Cranbourne East Secondary College

T25 F77

Cleaning, sorting, saving money, time and sanity.

[Repeat Session](#)

## Triple R – Regional Representatives Rage

Deborah Sun, LTAV Regional Liaison Officer

F72

Our Regional Representatives Rage is open to all current LTAV Regional Representatives, along with anyone that is interested in taking on the role. Discussions will include activities held during the past year, difficulties faced, possible solutions and any other matters of importance. All Regional Representatives are requested to bring along 18 copies of a short report to be distributed at the meeting to those present.

[Annual Update](#)

## Volcanoes – What a Blast!

Peter Nisbet

F46

This session explains the different types of volcanoes, where and why they are located in certain areas and what causes them to erupt. The chemistry of their gases will be discussed and how volcanoes have affected life on Earth. Victorian examples will be included. Volcanic rock samples will be examined and examples of model volcanoes that can be used in the class room demonstrated.

[Repeat Session](#)

## What Rock Is That?

Peter Nisbet

T22

This session uses a hands on approach to learn the main identifying features and names of the most common rocks. Participants use supplied identification keys to name supplied rock samples throughout the session. Explanation of the formation of Coal, Oil and Gas includes samples of the different types of each. Interesting minerals and fossils add variety to the session.

[Repeat Session](#)

## Workplace Inspections and Laboratory Audits 101

Lisa Stevens & Dr Neale Jackson,  
Lisa J Stevens & Associates

T20 F43

Looking to enhance your workplace safety skills? Looking to effectively undertake a workplace inspection? Do you know the difference between a laboratory safety audit and a workplace inspection? Not sure where to start or how to document your findings? Join our workshop to learn how to effectively undertake a workplace inspection and differentiate between a laboratory safety audit and a workplace inspection. Gain practical experience conducting a laboratory safety inspection.

[Repeat Session](#)

# LABCON2024 Sponsors and Exhibitors

LTAV would like to take this opportunity to acknowledge and thank Conference Sponsors and Exhibitors your support is greatly appreciated (Information correct at time of printing)

## SPONSORS



## EXHIBITORS



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**Laboratory Technicians'  
Association of Victoria Inc.**

## DELEGATE DETAILS

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 Email:  Purchase Order:   
 Emergency Person & Mobile:  (e.g. emergency contact during LABCON)  
 Please indicate any health related dietary, disability assistance required:

## REGISTRATION FEES

<i>GST inclusive</i>	LTA V Member	Non Member	
Full Registration – Thursday & Friday includes Dinner	\$575.00	\$650.00	\$ <input type="text"/>
Full Registration – Thursday & Friday excludes Dinner	\$505.00	\$580.00	\$ <input type="text"/>
One Day Registration includes dinner <input type="checkbox"/> Thursday <input type="checkbox"/> Friday	\$525.00	\$600.00	\$ <input type="text"/>
One Day Registration excludes dinner <input type="checkbox"/> Thursday <input type="checkbox"/> Friday	\$455.00	\$530.00	\$ <input type="text"/>
Presenter Registration: <input type="checkbox"/> Thursday <input type="checkbox"/> Friday (No charge day(s) of presentation)			
Presenter attending Dinner <input type="checkbox"/> Yes <input type="checkbox"/> No (No charge)			
Conference Dinner Thursday (extra tickets)	\$140.00	\$160.00	\$ <input type="text"/>

**SUB TOTAL REGISTRATION FEES – GST inclusive**

**AUD\$**

## ACCOMMODATION REQUIRED

GST included Room Type Required:  Single  Twin  Double

### Pullman Melbourne Albert Park

Rates: \$200 per room per night	x .....Nights =	\$ <input type="text"/>
\$230 per room per night includes One Hot Breakfast	x .....Nights =	\$ <input type="text"/>
\$260 per room per night includes Two Hot Breakfasts	x .....Nights =	\$ <input type="text"/>

### Mercure Melbourne Albert Park

Rates: \$150 per room per night	x .....Nights =	\$ <input type="text"/>
\$180 per room per night includes One Hot Breakfast	x .....Nights =	\$ <input type="text"/>
\$210 per room per night includes Two Hot Breakfasts	x .....Nights =	\$ <input type="text"/>

Arrival Date:  Depart Date:  Share with:

**TOTAL PAYABLE to LTA V Registration Fees + Accommodation (if applicable)**

**AUD\$**

## CONCURRENT WORKSHOPS PREFERENCES

(Note: there are strict limits on numbers attending each workshop)

Please use Session Codes in preferences below and places will be allocated in order of receipt of payment.

Please **complete all boxes**. Note: You will automatically be booked to attend the keynote presentations on day of registration.

Select one 90 minute workshop or two 45 minute workshops. If choosing a 90 minute workshop place the workshop code in both time slots.

	1st Pref	2nd Pref	3rd Pref	4th Pref
<b>Thursday 11.00am-12.45pm</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Thursday 11.00am-11.45am	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Thursday 12.00pm-12.45pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Thursday 1.30pm-3.15pm</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Thursday 1.30pm-2.15pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Thursday 2.30pm-3.15pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Thursday 3.30pm-4.15pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Friday 10.30am-12.15pm</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Friday 10.30am-11.15am	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Friday 11.30am-12.15pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Friday 1.00pm-2.45pm</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Friday 1.00pm-1.45pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Friday 2.00pm-2.45pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Friday 3.15pm-4.00pm	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Principal/Science Co-ordinator's name:

Signature:



# LABCON2024 • TO BE HELD THURSDAY 14 & FRIDAY 15 NOVEMBER 2024

## IMPORTANT REGISTRATION INFORMATION *please read carefully*

Register ONLINE [www.ltav.org.au](http://www.ltav.org.au) alternatively, complete form and EMAIL to [info@margscarlett.com](mailto:info@margscarlett.com)

### DIRECT DEBIT/EFT PAYMENTS

If paying directly into the LTAV bank account, please ensure that the **EFT remittance advice together with the Registration Form is EMAILED to [info@margscarlett.com](mailto:info@margscarlett.com) INCLUDE YOUR NAME OR INVOICE NUMBER.**

Bank: Commonwealth Bank of Australia  
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BSB: 063532  
Account Number: 10401068  
Account Name: Laboratory Technicians Association of Victoria Inc.

### REGISTRATION CONFIRMATION

A confirmation letter will be sent to you by email with Sessions allocated. The earlier you register the more chance you have of receiving the workshops of your first choice.

If you are not able to register for LABCON on either day, you are very welcome to visit the Exhibition outside the catering breaks (shown in the program).

### ACCOMMODATION

#### BOOK EARLY SPACE IS LIMITED

#### **Pullman Melbourne Albert Park**

– Mini Bar, Tea/Coffee facilities in the room

Accommodation – Classic Room 1 King or 2 Single Beds

Rates: \$200 per room per night;  
\$230 per room per night includes One Hot Breakfast;  
\$260 per room per night includes Two Hot Breakfasts

#### **Mercure Melbourne Albert Park**

NOTE: No mini bar or tea/coffee making facilities

Accommodation – Standard Room 1 King or 2 Single Beds

Rates: \$150 per room per night;  
\$180 per room per night includes One Hot Breakfast;  
\$210 per room per night includes Two Hot Breakfasts

### CONFERENCE DINNER

The dinner this year will be held at **Pullman Albert Park, Melbourne.**

Attendance at the conference dinner on Thursday evening is complimentary for workshop presenters who have pre-registered. Please consider attending the dinner as it really is a great opportunity to network with colleagues and friends.

### SPECIAL DIETS

We endeavour to provide for medical dietary requirements such as diabetic, gluten free, vegetarian etc., and cannot provide Paleo, Weight Watchers, Lite and Easy diets. Only those who have pre-registered for a special diet will be catered for.

### CANCELLATION POLICY

All cancellations must be made in writing to the Conference Secretariat. Cancellations received prior to the registration deadline of 15 September 2024 will receive a refund less an administration fee of \$100.00. No refund will be given after this date; however, an alternative delegate name may be submitted. You may wish to take out **insurance** to cover forced cancellation.

### PRIVACY STATEMENT

The Privacy Act 2000 provides that, before a name, organisation and state/country details can be published in the list of the conference delegates for distribution to fellow delegates or any other party; you must give your consent. If you **DO NOT** wish to have your name and details included in the Delegate List please indicate below and send this instruction with your Registration Form and payment.

Do not include me on distribution list

### HELP OR FURTHER INFORMATION

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Marg Scarlett – Conference Organising Group  
Post Office Box 208, Lynbrook Vic 3975  
Tel: 0419 805 362  
Email: [info@margscarlett.com](mailto:info@margscarlett.com)



Laboratory Technicians'  
Association of Victoria Inc.



# Laboratory Technicians' Association of Victoria 2024 Committee



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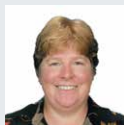
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Please feel free to contact any member of your committee with any queries or concerns. Members are always welcome at committee meetings. Please contact the Secretary to confirm time and location of next meeting if you wish to attend.

2024 MEETING DATES (TBC): 13/08; 22/10; 14/11; 6/12 or 13/12

# LABCON2024 PROGRAM GRID

\* NEW SESSIONS

■ Shading double session

THURSDAY							FRIDAY							
8.50am - 9.00am	9.00am - 10.00am	10.00am - 10.30am	11.00am - 11.45pm	12.00pm - 12.45pm	1.30pm - 2.15pm	2.30pm - 3.15pm	3.30pm - 4.15pm	8.55am - 9.00am	9.00am - 10.00am	10.30am - 11.15am	11.30am - 12.15pm	1.00pm - 1.45pm	2.00pm - 2.45pm	3.15pm - 4.00pm

Topics	Presenter	8.50am - 9.00am	9.00am - 10.00am	10.00am - 10.30am	11.00am - 11.45pm	12.00pm - 12.45pm	1.30pm - 2.15pm	2.30pm - 3.15pm	3.30pm - 4.15pm	8.55am - 9.00am	9.00am - 10.00am	10.30am - 11.15am	11.30am - 12.15pm	1.00pm - 1.45pm	2.00pm - 2.45pm	3.15pm - 4.00pm
Conference Opening	Mary Jones*	X								X						
LTAV Annual General Meeting	Mary Jones*			X												
<b>KEYNOTE:</b> Climate Change and Energy: Keeping the Lights On	Mr Tony Wood*		X													
<b>KEYNOTE:</b> An inside look at the work at the Victoria Police Forensic Services Department	Natalia Hernandez*									X						
3D Printing	James Cutting						T23					F54				
5G and Health	Prof Ken Karipidis*														F58	
A Hands-On Guide to Keeping Your Lab Equipment Functioning!	Rod Aggett						T19					F40				
A Healthy Land – Measuring the Environment with Vernier Dataloggers	Stuart Lewis*							T27			F47					
Algal Balls and Photosynthesis	Ros Clark								T37							F78
Aseptic Techniques for School Laboratory Technicians	Shadab Perveen*															F71
Back to the Future	Mary Jones & Lynette Baker*								T35		F48					
Bringing the Fun to Physics	Amanda Lovett						T18				F41					
Chemical Disposals for the School Lab	Callum Stagg & Lisa Stevens*				T1										F57	
Chemwatch Refresher Workshop for Experienced Users	Arlene Vilafranca														F66	
Cool Science: Harnessing Liquid Nitrogen and Dry Ice for Engaging Learning	Kartini Beghin*					T13										F73
Creative Science: Mindful Crafts for Lab Technicians	Jenny Emery*										F45					
Decontaminating General Laboratory Waste	Glenda Arendse*				T10	T16	T26				F49		F63			F76
Engaging Science with Origami Models – Interactive Fish Dissection!	Daniela Migliorati & Marcia Rogerson*										F44					
Engaging Science with Origami Models – Interactive Heart Dissection!	Daniela Migliorati & Marcia Rogerson*								T38							
Essential OHS Refresher	Andrea Rowe				T2											
First Year as Lab Tech	Leena Dharmaratane*							T29	T34							
Fix It Forum	Harvey Edwards*				T3										F55	
Forensic Science: A Catalyst to Scientific Inquiry	Dr T J Spence & Leanne Caira*										F52			F65		
Getting Results from STEM Type Practicals	Dale Carroll*				T7									F60		

# LABCON2024 PROGRAM GRID

\* NEW SESSIONS    ■ Shading double session

		THURSDAY							FRIDAY						
		8.50am - 9.00am	9.00am - 10.00am	10.00am - 10.30am	11.00am - 11.45pm	12.00pm - 12.45pm	1.30pm - 2.15pm	2.30pm - 3.15pm	3.30pm - 4.15pm	8.55am - 9.00am	9.00am - 10.00am	10.30am - 11.15am	11.30am - 12.15pm	1.00pm - 1.45pm	2.00pm - 2.45pm
Growing Eco-Concerns among Students, it's vital to Nurture Environmental Awareness	Subagini Nakuladeva*										F42				
How we Communicate the Science of Climate Change – Healthy Earth: Priceless, Dying Earth: Iceless	James Driscoll*						T17								
Integrating Environmental Science in the Classroom	Erika Trickett*						T21						F56		
Key Experiments: Inquiry Approaches using Vernier Data Loggers in High School Science	Stuart Lewis													F70	
Lab Essential – The Smart Cart	Doug Bail*				T9										
Magic of Science from Dinosaurs to Rockets	Peter Razos						T30				F53		F69		
Meteorites	Trevor Hand							T31							F75
Micropropagation & Tissue Culture at the SCG Biolab	Claudia Sorace*					T11				F50					
Pets and Composting – Examples of the Sustainability Program at Avila College	Anna Burns							T39							F80
Physics Playground – Exploring High School Physics	Stuart Lewis						T24						F64		
Practical Investigations of Electromagnetic Induction	Doug Bail*												F62		
Reducing Your Environmental Footprint in the School Laboratory	Rebecca Blowfield*				T8										F74
Rocks/Minerals Stories-TESEP Rock & Mineral Kit Teaching Packs	Peter Nisbet*							T36							F79
STEM Approaches Using Data Loggers	Stuart Lewis							T32							
The Evolution of Science Spaces	Ted Fowler*					T15								F68	
The Mystery Experiments for Solving Mysterious Crimes	Radhika Iyer*												F59	F67	
The Rock Cycle: The Science of Minerals & Rocks	James Driscoll				T4										
The Science of Plate Tectonics: Can We Predict Earthquakes?	James Discoll							T33							
The Science of the Ridiculous	Stuart Lewis*				T6						F51				
The Science of Us – Measuring Humans Using Vernier Data Loggers	Stuart Lewis					T12									
The Weird and Wonderful: Bizarre and Unusual Scientists	Jeff Hughes*				T5			T28							
Things that Go Bang	Geoff Gleadall					T14							F61		
Tips and Tricks for Techs	Leonie Leishman						T25								F77
Triple R-Regional Representatives Rage	Deborah Sun														F72
Volcanoes – What a Blast!	Peter Nisbet										F46				
What Rock is that?	Peter Nisbet						T22								
Workplace Inspections and Laboratory Audits 101	Lisa Stevens & Neale Jackson						T20				F43				