Dear LabVIEW Friend,

You're receiving this email either because you've signed up to the GDevCon ANZ newsletter, or you're an active user of LabVIEW in the Australian / New Zealand LabVIEW community. If you're not interested, please hit the unsubscribe link at the bottom of this email.

GDevCon ANZ #1 is on in one month, and we're getting very excited to bring a superb, face-to-face conference to the graphical programming community in Australia and New Zealand!

If you are yet to purchase a ticket, please do so soon as **ticket sales close on October 2nd**. Purchase tickets online.

In this newsletter we bring you:

- Final sponsor announcements
- Our preliminary event schedule
- Remaining presentations

Sponsors shoutout

Thanks to our awesome sponsors for the 2023 GDevCon ANZ event. We could not have done this without your help! I'd like to give a shoutout to our recently signed up Bronze sponsors:

BRONZE Sponsors

Braemac are a component distributor, designer for manufacture, and a logistics/supply chain navigation expert. Of significance for GDevCon ANZ, Braemac are the NI distributor for the Australia/New Zealand region.

Entech Electronics: Manufacturing in South Australia since 1986, Entech Electronics specialises in the contract manufacturing of electronic products and complex sub-assemblies. Entech is also a major provider of Printed Circuit Boards & HMI Solutions.

Gamma Engineering designs, manufactures, and develops automated test, instrumentation and software systems for the rail & mining industry. Systems include rail in-motion weighbridges, wayside rail wheel defect detection systems, wayside IIOT rail stress monitors, mobile ultrasonic defect detection systems including frontend/backend analysis, reporting and data management solutions.

To see the full list, visit our sponsors page.

Preliminary schedule

We have locked in a great selection of presentations for our first GDevCon ANZ conference! Thanks to all the presenters who have submitted a presentation, it's going to make for a great couple of days of learning:

	Day 1: LabVIEW **Tuesday October 24 2023**	**Day 2: Test Systems** **Wednesday October 25 2023**
8:30am	Registration	Silver Sponsors - *Resonate Systems and SoftWire Systems*
9am	Welcome Keynote	Multi channel madness – *Vishal Bajaj*
	Gold Sponsor - *NI*	Simplify Test Development with the Bloomy EFT Module for TestStand – *Richard Grzebieta*
	What's New in LabVIEW 2023 – *Sher Lentic*	
10:25am	Morning Tea	Morning Tea
	Programming Faster in LabVIEW (Writing code faster) – *Nick Murray*	Managing Test Systems and Engineering Data like a boss with NI SystemLink – *Mark Lee*
	Simplifying Development of Complex Applications – *Liam Granger*	Robust Test Limits – A Quality Cost Advantage – *Chris Turner*
12:30pm	Lunch	Lunch
	Lightning Talks	Lightning Talks
	The Need for Speed (Writing faster code) – *Chris Virgona*	NI SystemLink for Software Deployment and Configuration Management – *Anoop Nandakumar*
3:05pm	Afternoon Tea	Afternoon Tea
	Improve LabVIEW with pre-build Quality checks – *Chris Farmer and Ashwini Pandit*	ViPER, an Open Source Dependency Injection Framework for LabVIEW – *Kurt Friday*
	Unlocking the Potential of Deep Learning in Computer Vision Applications with ANSVIS – *Tuan Nghia Nguyen*	
5:30pm	Evening Social Drinks and Nibbles	

To see the full schedule, visit our Schedule page.

Presenters' shoutout

There will be some great presentations at this year's conference, read on for a sneak peek!

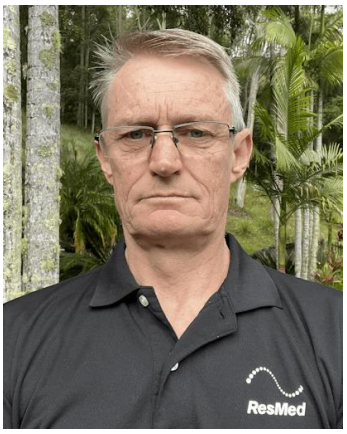
Richard Grzebieta, from Wired-in Software will be presenting **Simplify Test Development with the Bloomy EFT Module for TestStand**.

Abstract: The Bloomy EFT Module for TestStand helps you create and run automated tests for electronic devices.

In this presentation, you will learn how the Bloomy EFT Module for TestStand can reduce your test system development effort by applying their built-in HAL/MAL, which allows you to easily configure and access various hardware platforms such as PXI, Serial USB instruments, etc. You will also see how the device functions are easily imported into TestStand using custom step types, which enable you to perform common operations such as power on/off, read/write, measure, etc. without writing any code. Finally, you will discover how the tool can help you define communication interfaces for non-typical devices that use serial, GPIB, XNET, etc., and avoid custom code development for each device.

Chris Turner, from ResMed will be presenting **Robust Test Limits – A Quality Cost Advantage**.

Abstract: I intend to challenge the use of Datasheet / OEM provided System Specifications as not ideal in certain Manufacturing Test situations. “Outlier Detection” I will argue is a fundamental feature of high quality systems and will show how to drive corporate-image, quality and cost improvements via optimising Test Limits.



Vishal Bajaj, will be presenting **Multi Channel Madness**.

Abstract: LabVIEW’s Configuration Editor Framework (CEF) is a tool designed to simplify the process of creating and managing configuration settings for applications, particularly those involving multichannel or complex configurations.

I want to take a deep dive into the CEF and talk more about how to implement it in a multi-channel, multiple type and multiple device setting.

I will talk about how each of the inbuilt Class methods work and their purpose, and how to Clone and edit these Classes using Goop Development Suite (GDS) to get the desired tree structure. Understanding their functionality and behaviour will save any new CEF user several weeks of learning time.

Finally I will introduce the concept of an “abstract Class” in CEF and show some example configurations using different file types (.INI ,JSON ,XML).

Nghia, from ANS Center will be presenting **Unlocking the Potential of Deep Learning in Computer Vision with ANSVIS**.

Abstract: We will unveil the cutting-edge ANSVIS platform, demonstrating how to design tailored deep-learning solutions to conquer challenging computer vision problems. We cover everything from data collection and AI model training to seamless deployment on edge devices for real-time performance. Discover how ANSVIS integrates into existing LabVIEW applications and scales up the system with plugin support for an unmatched computer vision experience

Nick Murray, will be presenting **Programming Faster in LabVIEW (Writing code faster)**.

Abstract: Tips, tricks and the future of programming faster in LabVIEW

Kurt Friday, from Medulla will be presenting **ViPER, an open source dependency injection framework for LabVIEW**.

Abstract: ViPER was developed to cut the risk, time, complexity and expense of implementing changes to test system software used in medical device manufacturing.

Conventional deployed systems usually consist of a monolithic executable containing all dependencies, so implementing a change, requires extensive top to bottom system verification. By implementing Dependency Injection a system is assembled at runtime from a collection of pre-verified components, so verification activities are limited to the new or changed components, not the entire system.

I’ll give a brief overview of a deployed system that is capable of parallel testing and serves HMIs to operators with a tablet, and also give an overview of the Medulla Test Executive which is built using the ViPER framework and I’ll show how to build a test system using it.

To view the full list of presentations, visit our presenters page.

GDevCon ANZ Inc conference will be held at CSIRO, Lindfield, Sydney on October 24th and 25th, 2023. For full details about the conference, visit the GDevCon ANZ #1 page.

We'd love it if you spread the word. Please share this newsletter with your colleagues and friends and ask them to visit our website to sign up to the newsletter to stay in touch.

On behalf of the GDevCon ANZ Inc team

Christopher Farmer

President GDevCon ANZ Inc