



October 2020

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We're Hiring!

Senior Project Manager

Senior Sales Engineer

LabVIEW Systems Engineer

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Upcoming Events



**Advanced Automotive
Battery Conference**
November 3 - 5



**NI Aerospace and Defense
Exchange**
November 10th

THE BATTERY SHOW
NORTH AMERICA 2019

**The Battery Show 2020
& EV Tech Expo**
November 10 - 12

[Events](#)

LabVIEW Enthusiasts



Due to the COVID-19 pandemic, Bloomy's NI training classes and user group meetings have been suspended.



LabVIEW



TestStand

Bloomy's Aerospace HIL Test Systems Architecture Explained



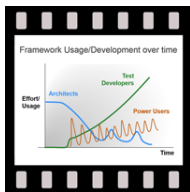
Learn about Simulation Systems, Bloomy's test systems architecture comprised of COTS materials for hardware-in-the-loop (HIL) closed-loop as well as open-loop testing of aerospace, transportation and defense electronics. This transformative new architecture saves hundreds of hours of labor and months of lead time bringing new systems online.

Waterloo Formula Electric Optimizes BMS for 44km Endurance Competition



In preparing for Formula SAE Electric competitions, the Waterloo Formula Electric Race Team uses Bloomy's Battery Simulator 1200 for tuning and validating balancing, accurately assessing the state of charge of the battery pack, and ensuring flawless operation of the battery management system (BMS).

Who Are You Developing Your HAL/MAL For? You or the Test Engineer



Hardware and measurement abstraction layers (HAL/MAL) generally have 3 types of users: test developers, power users and framework architects, each having potentially competing interests and objectives. Learn how Bloomy's HAL/MAL developed for the EFT Module for TestStand strikes a fine balance between these three critical stakeholders.

Efficient BMS Testing Throughout the BMS Development Lifecycle



In this presentation, BMS and battery electronic test techniques using commercially available cell simulators and fault insertion units are addressed. Several different test applications throughout the BMS development lifecycle from R&D test bench, software validation, design verification, through production are presented.

Valuable Resources at Your Fingertips



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