

## CAT Fall 2024 Workshop List (LATTC Oct-19) Updated 10/9/2024

Name	Title of Presentation	Presentation Description
Thomas Broxholm Retired/Skyline	What is Social Security WEP/GPO? How much will you or your spouse lose in Social Security income because of it?	If you're counting on your Social Security income to add to your retirement pension, Think Again! The Windfall Elimination Provision (WEP) and Government Pension Offset (GPO) could take from 10% to 65% or more of that income out of your pocket. Learn what it is, how it works, how to figure out how much the WEP will impact you and legislation to repealing the WEP/GPO.
John Hancey DAKTIC	Today's technicians need more than just technical expertise. Get 2 Free Books	Being an instructor and leader you have a unique opportunity to help students with more than just the hard skills of automotive. Prepare your students for success by including such skills as teamwork, accountability, leadership, and communication in your program. Come and learn some "Crucial" skills from the New York Times best-selling book <b>Crucial Conversations</b> , and the book <b>Lead Like A Person: Not Like a Position</b> . The skills that you will learn in this session will be useful in all areas of your life, as well as the lives of your students. Skills like how to have more effective high-stakes conversations at home, work and play, and what it means to be an effective leader with or without formal authority.
Larry Engelbrecht Engelbrecht Consulting	Fast Track Your Auto Student to Over \$60,000 A Year	Bring your administrator and join CTE Researcher Larry Engelbrecht as he reveals eye-opening employability data on what employers truly value most in prospective technician candidates. Is it certificates? Degrees? You will take away invaluable tools you can use to level up your program's effectiveness as well as measurably improve your student outcomes. Find out what dealerships are REALLY looking for when hiring technicians for high-paying positions. See how effective your curriculum and pathway are and how YOU can vastly improve student outcomes. Join Larry Engelbrecht as he shares the latest eye-opening employability data straight from the very people who make hiring decisions!
Richard Escalambre REscalambre.net	Foundational Diagnostics using IPO	The foundation for sound diagnostics revolves around Input, Processing, and Output (IPO) principles. Regardless of the vehicle being worked on, all input and output components should be categorized into groups. Each signal group should be evaluated for its type of signal and critical dimensions. Understanding the relationship between inputs and outputs is essential to effective diagnostics.
Richard Escalambre REscalambre.net	OBD Past, Present, and Future!	<ul style="list-style-type: none"> <li>• Updates on current and proposed rulemaking directly from regulatory entities from around the world</li> <li>• Strategies being employed to ensure powertrains meet current and upcoming global regulations in North America, Europe, and China</li> <li>• The most up-to-date global standards development initiatives</li> <li>• The latest on diagnostic regulations relating to electric vehicles and fuel cells</li> </ul>

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<p style="text-align: center;">Dave Hobbs Delphi Aftermarket / Phinia</p>	<p style="text-align: center;">Hands-On PHEV / BEV Plug Diagnostics &amp; HV Service Update</p>	<p>In this hands-on course, Delphi senior instructor Dave Hobbs will cover the functions for each pin of the 5 &amp; 7 pin charging cables on PHEVs and BEVs. This course will help you to;</p> <ul style="list-style-type: none"> <li>• Identify the role of each pin on level 1, level 2 and DC fast charge cables (non-Tesla)</li> <li>• Describe the method Tesla uses with their NACS plug to work for all three levels of charging</li> <li>• View common data PIDs for On Board Charging Modules</li> <li>• Understand recent changes in HV power down processes for service</li> </ul>
<p style="text-align: center;">Dave Hobbs Delphi Aftermarket / Phinia</p>	<p style="text-align: center;">Hands-On 3-Phase BLDC Fuel Pump Diagnostic Intro.</p>	<p>In this hands-on course, Delphi senior instructor Dave Hobbs will go over the recent trend in using <u>brushless</u> DC electric fuel pumps (BLDC). This course will help you to.</p> <ul style="list-style-type: none"> <li>• BLDC fuel pump applications &amp; circuit identification</li> <li>• BLDC Diagnostics with meters, scopes and scanners</li> </ul>
<p style="text-align: center;">Michael Klyde CYPRESS COLLEGE</p>	<p style="text-align: center;">Creating short videos to support your Auto Tech Courses with iMovie</p>	<p style="text-align: center;">Creating short videos using I-Movie</p>
<p style="text-align: center;">Elie Massabki Skilled2Hire LLC</p>	<p style="text-align: center;">Efficient Worksheet Management, Real-time Mentoring, More Hands-on Training &amp; Student Transcripts</p>	<p>This interactive workshop will discuss ways to save time creating and maintaining worksheets, and remotely mentoring and coaching your students in real-time. We will discuss solutions to increase students hands-on training, the challenges that students face when entering the workforce and how to create detailed electronic transcripts of their lab work to demonstrate their strengths to prospective employers.</p>
<p style="text-align: center;">Jack Rosebro Earthling Automotive</p>	<p style="text-align: center;">The Battery Class</p>	<p>As plug-in vehicles become more common on our roads, the question arises: are we prepared to deliver comprehensive lessons and labs on batteries and battery packs, and will they be relevant? This class is designed to bring you up to speed on lithium-ion science, with a couple of necessary detours into lead-acid and Ni-MH batteries (you will see why when you come to the class).</p>
<p style="text-align: center;">Tony Salas ATech Training</p>	<p style="text-align: center;">Developing Essential Circuit Troubleshooting Skills</p>	<p>Today's future technician has a long pathway towards electrical proficiency. Join ATech Training for a "hands-on" course discussing teaching techniques that will aid your students in achieving troubleshooting success. ATech will provide state of the art training equipment allowing you to enhance your troubleshooting skills and develop teaching concepts that you can take back to your class.</p>
<p style="text-align: center;">Anthony Carmignani MegaTech</p>	<p style="text-align: center;">EV, Hybrids and Gas: How electricity and the ECU Control Process:</p>	<p>This is a hands-on training session that will use a unique PIC micro-controller as an ECU. Instructors learn by building a fully functioning ECU with inputs, a relay and a transistor output and carry out a set of activities and learning modules that reflect both EV and gasoline powered vehicles.</p>