

SESSION

New Technologies Compelling Radical Changes in Technician Skills: The New Word is Electronics, Networks, & Software/Firmware

DESCRIPTION

This session will focus the key H/W (Hardware) and S/W (Software) – F/W (Firmware) systems that comprise many of the power and control systems on current and future transportation vehicles, and technicians should possess a working knowledge of them to become more adept with more complex diagnostics. Without a working knowledge of H/W and S/W – F/W it is much more difficult to form a comprehensive analysis on power and control systems. By acquiring a working knowledge, technicians become much more intelligent diagnosticians, diagnostic time is reduced, and repairs are finished at a higher confidence level. This results in a lower stress environment for the technician and higher profitability and more satisfied employees for the business owner. To address these aspects, this session will focus on the following elements of H/W & S/W – F/W:

- What is H/W & S/W – F/W?
- What is the definition of a Working Knowledge?
- Why is it important to acquire skills in H/W & S/W – F/W for the technician and business owner?
- What are the barriers for technicians to acquire a working knowledge of H/W & S/W - F/W?
- Examples of Working Knowledge and knowing H/W devices in automotive applications
- Examples of a Working Knowledge in S/W – F/W automotive applications
- What is the best method of learning H/W & S/W-F/W working knowledge skills?
- How to get started a Technician started.....Resources

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