

LCD Technical Seminar:

LCD & OLED "Award Winning", fun, technical seminar covering everything you need to know. Easy to follow, step-by-step comprehensive detailed Technical Seminar made for everyone (Engineering and Sales) from an energetic, great speaker. Learn everything on LCD's and OLED's, from the basics to advanced technology, all in one seminar.

LCD Technical Seminar:

Covering: This course will offer an informative, technical, comprehensive, easy to follow, step-by-step detailed presentation that will focus on all aspects of LCD's displays and include other displays technologies, TFT, LED, OLED, Plasma, etc. Beginning with a brief historical overview, complete LCD technology, covering: Glass types: Transflective, Reflective, Transmissive. Module types: Standard PCB, Chip on glass, Flex, Tab, etc. Types of LCD's: Segmented, Dot Matrix, Graphics. Also new technologies coming: Micro LCD's, as well as current and future display products will be covered. It will also include how LCD's work and how to design displays into projects, basic electrical and mechanical LCD technologies along with comprehensive technical discussion of current and new technologies such as OLED (organic LED's) and FOLED. The myriad types and configurations of LCD's will be discussed and their properties will be compared including the new "LCD- Black Mask". Application secrets such as how to match the best LCD to your application, how a shortage of ICs can cause problems with COG (chip on glass) and other modules, and cost and technical tradeoff of using just glass LCD's versus a complete LCD module will be revealed. A good handout will be given to all attendees.

Also: All types of Back Lighting, Temperature Compensation, Resolution, Contrast ratio, View Angle, STN, FSTN, TN, etc. etc. etc. Tradeoff of Color STN, Monochrome, Power consumption and brightness of LCD Back Lighting.

Benefits-Why should someone attend?

Learn how LCD's work and how to design displays into projects. Learn the complete electrical and mechanical LCD technology along with comprehensive technical details on new technologies such as OLED (organic LED's) and FOLED (flexible organic LED's). The future display, OLED & FOLED is here now and now is the time to learn this technology

About The Instructor:

Wayne Champa has worked in the electronics industry for thirty-two years. This will be an enjoyable, fun seminar. Wayne Champa was a stand up comic. Now owner of Champa Associates for 23 years, he has specialized in LCD's and display technologies. As a consultant and representative/distributor for 23 major world class LCD manufacturers, he has provided LCD technical support to companies such as Rockwell, Mini Mea, Toshiba, Qualcomm, Abbott Labs and Pulse Metric. He has solved many LCD Display problems and has fixed serious miss-designs and has taken projects from 65% failure rate to 100% successful designs. His insights on new technologies, design techniques and applications for the most current LCD and display technologies will be shared with all who attend.

Mr. Wayne Champa credentials:

- " 32 years of working experience in the electronics industry.
- " President of Champa LCD Company since 1984.
- " 2 College degrees at Cal State University Los Angeles.
- " College teacher/lecturer.
- " LCD/display specialist consultant.
- " LCD award winning seminar leader at all electronics shows in the west USA for 21 years.
- " Stand Up Comedian.
- " Professional Guitarist and Teacher.

Each year this good Seminar is given to: ASME American Society of Mechanical Engineers, RD&D Research Design & Development Show, Wescon, Del Mar Electronics Show, Greater Phoenix Show, numerous Customers such as Rockwell, Toshiba, MiniMed, The Morey Corp. OSC, etc. etc.

- " LCD Distributor and Representative for 33 world class LCD manufacturers.
- " LCD consultant and designer and LCD supplier for hundreds of customers throughout the USA

PS: The seminar also has lots of COMEDY from my years of being a stand up comedian, I have made this a fun learning experience.

Thank You,

Wayne Champa

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