



Low Voltage Educational Summit and Trade Expo

May 17-19, 2009

Fairmont Hot Springs, Fairmont, MT

COST

Early Bird (through March 31st) \$200.00

Early Birds eligible to win an 80GB iPod

Includes:

- 16 Hours of BICSI, CEDIA, and CEU Classes
- Beer and wine social, Sunday, May 17th
- Lunch, May 18th & 19th
- Dinner, May 18th
- Trade Expo, May 18th

April Sign-Up April 1st - 30th \$250.00

Late Sign-Up May 1st - 10th \$300.00

NOTES

IMPORTANT NOTE:

On the BICSI Labeling Standards Class in the first session by Dymo, there will be an additional cost of \$250.00.

Student will receive choice of:

- Option 1** 6000 Printer
- Option 2** 5000 Printer hard case and 5 tape labels
- Option 3** \$250 worth of labels

Additional meals can be purchased for:

- Lunch **\$15.00**
- Dinner **\$20.00**

There will be no cost to attend the Trade Show

See Back side for Class Sign-up.



Earn the CEDIA CEU and BICSI credits you need at one place.

Design Engineering, Mark Sipe, CEDIA

Learn how good design & engineering of residential and commercial projects can add to your bottom line. Learn how to present and sell pre-engineered systems, the key to profitable design.

The difference between a shopping list of parts and true engineering can be thousands of dollars in labor costs and client satisfaction. Laying out a project in a consistent and well defined design plan keeps your employees from making decisions on the job without knowing the implications. Learn how to create a one line drawing showing the "big picture" for the customer to sign off on. Create floor plans in an easy to understand format that doesn't require a code book to understand. Good schematics eliminate mistakes that will keep a system from working or worse yet, damaging something. When a schematic clearly spells out the function of a system, programming costs go down. Most design is based on systems you will sell again and again, so create it once and sell it over and over.

Includes a 30 minute online, one on one training after the conference to address individual needs. Free downloads include – Hierarchy of design, Room by room wallplate/bezel color chart, AutoCAD/Visio pre-wire shapes.

This course offers 4 BICSI Continuing Education.

Acoustic Design, Loren Maldoon

Understand how to design & engineer audio systems. Design issues including speaker position, back box or construction behind in wall or ceiling speakers for distributed audio and home theater will be covered. Learn to design, install and set up multi-zone, 5.1, 7.1 home theater receivers, iPod docks, IR and RF control.

This course offers 4 CEDIA CEU credits.

Fiber Optic Termination, Joshua Smart

This course is designed for installers, end users, and engineering staff and will cover fiber optic cable constructions, connector types, various performance grades of glass and hands on termination practices.

This course offers 4 hours electrical industry CEU.

Fiber Optic Testing Standards, Randy Wear, BICSI

This course is designed for installers, engineers and network administrators to learn the procedures specified by BICSI to test fiber optic infrastructure. This is valuable for installation, design and trouble shooting of various cable systems. There will be hands on demonstrations including finding faulty cabling and improper installation practices.

This course offers 4 BICSI Continuing Education Credits towards RCDD or Installer recertification.

How to Get Real Answers to your Business's tough Financial Questions, Susan Sipe, CEDIA

We're all looking to cut costs and trim expenses wherever possible while at the same time keeping sales going in the areas that are profitable. If you're not properly managing the input of the information feeding your Profit and Loss (P&L) and Balance Sheet, you may not be getting the right picture.

While your accounts maybe in order, they're probably not giving you the information that you need. This course is not an accounting class; it's a class that addresses the information that you need as an owner and how to address it by understanding the process and flow of information through your accounting software.

Included with the class will be a Profit Charting – Chart of Accounts list and a Business Process Flow Worksheet. What you'll really leave with is a new sense of what you can do to get real answers from your Financial Statements. In addition you're invited to contact the instructor for a free 30 minute consultation.

Some of the specific processes that will be discussed are:

- When to recognize revenue
- True Job-Costing – including travel
- Inventory Control
- Tracking Progress Invoices
- Project Over runs
- Future Revenues
- Cost of Completion

Copper Systems Testing Standards, Randy Wear, BICSI

This course is designed for installers, engineers and network administrators to learn the procedures specified by BICSI to test copper cable infrastructure. This is valuable for installation, design and trouble shooting of various cable systems. There will be hands on demonstrations including finding faulty cabling and improper installation practices.

This course offers 4 BICSI Continuing Education Credits towards RCDD or Installer recertification.

BICSI EIA/TIA606-A Labeling and Documentation Course, Al Feister, BICSI

This class is designed for installers, end users, designers and building owners, and will provide attendees with guidelines for designing, building, installing and maintaining telecommunications infrastructures. It will help you be compliant with the TIA/EIA 606-A Standard, the new Data Center Addendum.

This class offers 4 BICSI Continuing Education Credits towards RCDD or Installer recertification.

FireStop Standards and Codes, Renee Lane, BICSI

This course is designed for installers and engineering staff and will cover fire stopping standards, codes and best practices. You will learn the various fire stopping product types, expansions, and proper applications for each.

This course offers 4 hours of BICSI credits for RCDD and Installer recertification.

CCTV Systems and Design, James Botek

This course is designed for installers, end users, and engineering staff and will cover the various components of a closed circuit TV system. Understanding which camera types to use for each application, walk through and design considerations as well as networking for local and remote access. Learn about cable, connection types and IP camera integration.

Wireless Networking Standards, Ric Lukasiewicz

This course is designed for installers, end users, and engineering staff. It will cover past, current and future wireless speeds, capabilities, limitations, standards, applications, and control. Security, throughput bandwidth, heat map and site map survey design considerations will be discussed.

Lighting Control, Sarah Smart, MT CEU

This course is designed for installers and engineering staff. It will detail various lighting control systems, protocols, capabilities and limitations. Programming of scenes, design considerations, integration with other products such as drapery control and home automation will be covered.

This course offers 4 hour electrical industry CEU credits.

Engineering Specification, Joshua Smart

This course is designed for architects and engineering staff. It will cover division 27 & 28 design, specification, installation, inspection, documentation, testing and the various BICSI standards.

This course offers 4 hours of BICSI credits for RCDD and Installer recertification.

Multi-Room Audio Design and Installation, Josh Thibeault, BICSI/CEDIA/CEU

This course is for project managers, designers and installers. It will cover installation of distributed audio components and system design. Speaker placement, rough in criteria, cabling options and requirements will also be covered.

This course offers 2 BICSI credits for RCDD and Installer recertification.

Camera Systems Design and Installation, Josh Thibeault, BICSI/CEDIA/CEU

This course is for project managers, designers and installers. It will cover installation of camera components and system design. Camera placement, rough in criteria, cabling options and requirements will also be covered. This course offers 2 BICSI credits for RCDD and Installer recertification.

Home Theater Installation, Josh Thibeault, BICSI/CEDIA/CEU

This course is for project managers, designers and installers. It will cover installation of 5.1 and 7.1 home theater components and system design. Speaker placement, acoustic treatments, rough in criteria, cabling options and requirements will also be covered.

This course offers 1 BICSI credit for RCDD and Installer recertification.

Select Call Intercom Design and Installation, Josh Thibeault, BICSI/CEDIA/CEU

This course is for project managers, designers and installers. It will cover installation of point-to-point (select call) intercom components and system design. Also covered are rough-in cabling requirements as well as programming.

This course offers 2 BICSI credits for RCDD and Installer recertification.

Data Systems Installation, Josh Thibeault, BICSI/CEDIA/CEU

This course is for project managers, designers and installers. Twisted pair cabling standards, best practices, system components, routers, switches and wireless products and issues will be covered.

This course offers 1 BICSI credit for RCDD and Installer recertification.

Security Systems Overview, Carlos Chaves

This course is for installers and project managers for residential and commercial projects. It is a basic introduction to Paradox security systems and various intrusion detection devices.

Solar Energy, Brandon Deno

This 2 hour class is designed for the electrical contractor. It provides attendees with solar panel technology, selling features and benefits of ready solar panel kits as well as rebate opportunities and legislation issues.

Monday, May 18th, 8:00am - Noon

SESSION 1	CLASS	CREDIT	CHECK ONE
C1	Copper Installation Standards	Industry CEU	<input type="checkbox"/>
C2	Home Theater/Data/Select Call Inter.	BICSI-CEC/CEDIA-CEU	<input type="checkbox"/>
C3	CCTV Luxon Video	None	<input type="checkbox"/>
C4	Labeling Standards <i>(Extra Cost-See Notes)</i>	BICSI-CEC	<input type="checkbox"/>
C5	Solar Energy (2 Hour)	None	<input type="checkbox"/>

Monday, May 18th, 1:00pm - 5:00pm

SESSION 2	CLASS	CREDIT	CHECK ONE
C1	Design Engineering/Accounting	CEDIA-CEU	<input type="checkbox"/>
C2	Acoustic Design	CEDIA-CEU	<input type="checkbox"/>
C3	Fiber Optic Standards	Industry CEU	<input type="checkbox"/>
C4	Security Installation	None	<input type="checkbox"/>
C5	Multi Room Audio/Camera Sys.	BICSI-CEC/CEDIA-CEU	<input type="checkbox"/>

Tuesday, May 19th, 8:00am - Noon

SESSION 3	CLASS	CREDIT	CHECK ONE
C1	Firestopping Code	BICSI-CEC	<input type="checkbox"/>
C2	Design Engineering/Accounting*	CEDIA/CEU	<input type="checkbox"/>
C3	Fiber Testing Standards	BICSI-CEC	<input type="checkbox"/>
C4	Home Theater/Data/Select Call Inter.*	BICSI-CEC/CEDIA-CEU	<input type="checkbox"/>
C5	Networking Class Meru	None	<input type="checkbox"/>

Tuesday, May 19th, 1:00pm - 5:00pm

SESSION 4	CLASS	CREDIT	CHECK ONE
C1	Firestopping Code*	BICSI-CEC	<input type="checkbox"/>
C2	Lighting Control Lutron	Industry CEU	<input type="checkbox"/>
C3	Copper Testing	None	<input type="checkbox"/>
C4	Multi Room Audio/Camera Sys.*	BICSI-CEC/CEDIA-CEU	<input type="checkbox"/>
C5	Engineering Specs/Networking	None	<input type="checkbox"/>

* Repeat Class

Please Print

Name _____ Company _____

Phone # _____ License # _____

For Certificates

Payment Options

Bill Crescent Account Account # _____

Bill Credit Card Visa Mastercard American Express

Card # _____ Exp Date _____ V-Code _____

Fax Completed To 406-727-1072