Certificate of Completion

On this Ninth Day of September, Two Thousand Fourteen
Presented to:

Dany Cote

For successfully completing Extron Electronics'
School of Emerging Technologies

Director of Education
& Training

President

Extron

School of Emerging Technologies for Consultants

Overview: In-depth instruction on new and emerging AV technologies

Key Topics:

- Designing Digital Systems That Work
- 4K Signal Routing and Distribution
- Streaming Technologies for Your Applications
- Fiber Optic System Solutions
- Evolution of Configurable Control
- Extron Audio
- Hands-on Design Exercises

Length: 2 days

Location: Offered at multiple locations throughout the US, call for details

Certification/Renewal Units:

- InfoComm
- BICSI

School of Emerging Technologies

The School of Emerging Technologies provides in-depth instruction designed to allow consultants and system designers to master additional AV technologies within a short time span. The training concentrates on new as well as evolving technologies, helping to refine digital AV system design by teaching concepts and techniques for different technologies. The student-instructor ratio is kept low to ensure that each class member receives individual attention. The School of Emerging Technologies provides instructor-led training and demonstration along with hands-on experiences in real-world scenarios to reinforce understanding of the technologies.

AV STREAMING TECHNOLOGY

DIGITAL SYSTEMS

FIBER OPTIC DESIGN

Extron Institute

Since 1994, Extron Institute has been dedicated to providing instructor-led training to enhance understanding throughout the professional AV industry. Education tools range from presentations and discussions through demonstrations and hands-on experiences, ensuring that each participant has the opportunity to grasp the concepts and techniques taught by the Instructors. Instructor-led courses are available at our S3 Technical Institute headquarters in Anaheim, CA, and in our regional offices around the world. Extron Institute On-The-Road also offers instructor-led courses, giving system integrators and designers more training opportunities in areas beyond those served by regional facilities. Extron Institute provides education and supports our customers as they gain knowledge of and experience with different AV technologies and product solutions.

The School of Emerging Technologies provides training on the following topics:

Designing Digital Systems That Work

Provides valuable instruction and hands-on skills development for designing end-to-end AV systems, from simple to complex. Learn how to:

- Design digital AV systems that incorporate 4K and Ultra HD - UHD video distribution, for a wide range of real-world scenarios
- Develop an EDID strategy to suit the system design
- Troubleshoot existing system designs to build your knowledge of digital design challenges and how to resolve them quickly in the field


Streaming Technologies for Your Applications

Examines compression system standards and networking concepts relevant to streaming AV signals over IP networks. Walk away with:

- An understanding of various compression standards and how they are applied in different applications
- Knowledge of compression and bit rate controls and how they affect bandwidth requirements
- Insight about network protocols used for streaming and the way IT managers should approach network management for these systems
- Best practices for streaming 4K content with low latency and visually lossless quality

Fiber Optic System Solutions

Provides an overview of how AV signals can be transmitted using light and what is required to successfully integrate fiber optic technology into new or existing systems. Learn how to:

- Discuss the advantages of fiber optic technology with your customers and among other AV professionals
- Apply fiber optic technology for secure, error-free delivery of content over extremely long distances
- Deliver AV signals, including 4K and UHD, at pixel-for-pixel quality over fiber

Evolution of Configurable Control

Designed to help you identify the best ways to take advantage of configurable control technology to handle the evolving complexities of today's AV system designs. Understand how to:

- Utilize Extron Pro Series control products, software, and technologies to configure user-friendly AV system control
- Integrate IP-enabled control products for remote system status, operation, and support
- Design efficient user interfaces that improve interaction with the AV system, taking into account the knowledge and technical skill of the designated user


Extron Audio

Provides an overview and practical techniques to achieve proper sound reinforcement and audio reproduction for a wide range of environments while maintaining an energy efficient system. Discover how:

- Digital signal processing allows the operator to alter audio signals in terms of time, spectrum, or level
- Audio system design can compensate for poor acoustics and ambient noise
- Various technologies provide professional power and sound clarity in thermally efficient and space-saving designs

Design Principles for Hybrid Systems

Examines proper design and installation principles for successful deployment of digital and hybrid AV systems. With hands-on sessions to apply learned knowledge, explore:

- System designs of typical commercial AV applications
- The functions of various AV components and signal flow within a system using detailed application drawings
- The types of sources and displays that a system needs to support in different applications

For more information visit www.extron.com/training

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