



## CEDIA Canada ADI Fall 2010 Event Information

### Day 1

#### ESD111 Distributed Audio Systems Overview-

Fee: \$125 member / \$175 non-member

CEU Value: 3

9:00a.m. -12:00 p.m.

The purpose of this course is to provide individuals new to the industry with an overview of distributed audio used in residential applications. This course outlines the basic principles and terminology associated with distributed audio. It also covers its typical uses, and methods of providing distributed audio, and common design goals and control considerations. At the conclusion of this course, participants should be able to:

- Define basic distributed audio terms
- Describe distributed audio principles
- List the various methods used in distributed audio
- Describe the basic components of distributed audio
- Discuss control options

#### ESD235 Principles of Multichannel Audio Systems-

Fee: \$125 member / \$175 non-member

CEU Value: 3

1:00 p.m.-4:00 p.m.

The purpose of this course is to explain the aspects of direction and space that we wish to reproduce in home theaters and how multiple channels and loudspeakers can be used to achieve these illusions. The consequences of using free-standing, in- or on-wall loudspeakers are discussed, as are the different configurations of surround loudspeakers. Loudspeaker transducers are explained, along with explanations of some popular enclosure designs. The concepts of impedance, damping, wire and amplifier properties are explained in terms of how they influence sound. At the conclusion of this course, participants should be able to:

- Express in general terms the requirements for a surround-sound system optimized for a given room and audience size
- Summarize the requirements for specific loudspeakers to deliver good sound and the appropriate directional and spatial illusions of multichannel music and movies
- Distinguish between those specifications that are important and those that are not informative
- Decide on the key elements of a home theater system: loudspeakers, amplifiers, wiring, based on an analysis of the customer's needs and the restrictions imposed by the realities of the room

## Day 2- ESTII Canadian Certification

Fee: -\$250 member / \$350 non-member

9:00a.m. - 12:00 p.m.

### EST II Job Description/Exam Content -

The CEDIA Certified Professional EST II is an individual with at least 12 months of experience and wishes to advance their low-voltage career. This person works under the direction of a supervisor, has a firm understanding of what to do and how to do it but not always "why". This person is assumed to have become proficient at most Prewire and Trim duties and is in training in all other areas. As a result the majority of questions on this exam are "Application" based meaning the candidate will need to be able to "apply" existing knowledge to a specific problem. This person has completed the appropriate Level 200 CEDIA courseware (or equivalent). CEDIA Basic and Advanced Residential Boot Camps are also strongly recommended.

- 12 months minimum experience
- Complete the [EST II Pre-test Assessment](#) to assess strengths and weaknesses
- CEDIA University EST 200 level coursework and
- CEDIA Basic and Advanced Residential Boot Camps are highly recommended.
- Person knows about the parts and pieces of the system and how to hook things up
- Knows WHAT to do and is typically told what to do
- Project management reporting ONLY

### ADI Locations:

#### Montreal – October 14-15

3151 Joseph Dubreuil  
Lachine, QC  
H8T 3H6 Canada

#### Burnaby – October 14-15

3455 Gardner Court  
Burnaby, BC  
V5G 3K8 Canada

#### Calgary – October 20-21

2312 – 52nd Avenue SE,  
Bay 117  
Calgary, AB  
T2C 0A3 Canada

#### Edmonton – November 18-19

5215 86th Street  
Edmonton, AB  
T6E 6T1 Canada

#### Halifax- November 18-19

90 Raddall Avenue, Unit 5  
Dartmouth, NS  
B3B 1T2 Canada

#### Questions?

Contact Canadian CEDIA Liaison - Laura  
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[www.cedia.org](http://www.cedia.org)

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