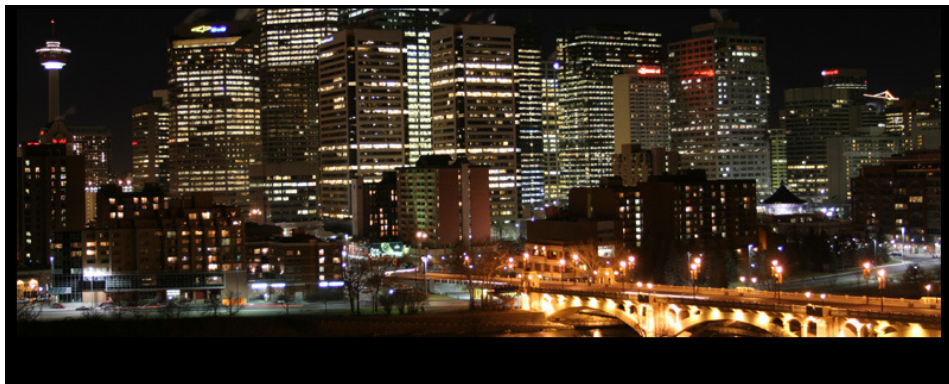


ALBERTA CHAPTER



8th Annual General
Meeting & Classes



**The Glenmore Inn
&
Convention Centre**
2720 Glenmore Trail SE
Calgary, Alberta

February 2-5, 2009

AGENDA

Monday, February 2nd

Drip Design in the Landscape

8:00am-4:00pm— Course Instruction

SMART Technologies for Irrigation Management

8:00am-4:00pm— Course Instruction

Irrigation System Installation & Maintenance

8:00am-4:00pm— Course Instruction

Tuesday, February 3rd

7:30am-8:30am—Registration and *FREE Breakfast**

8:30am-9:30am—Keynote Speaker: Tim Malooly

9:40 am-10:15am—Annual General Meeting

10:20am-12:00pm—3rd Annual Roundtable:

* Please let A.C.I.A office know if attending the breakfast so that we can reserve seating.

Predicting & Estimating Landscaping Water Use

1:00pm-4:00pm — Course Instruction

Electrical Troubleshooting Part 1: Diagnosing Field Wiring Problems

1:00pm-4:00pm — Course Instruction

Field Hydraulics

1:00pm-4:00pm — Course Instruction

Wednesday, February 4th

Electrical Troubleshooting Part 2: Transformers, DC Systems, 2-Wire Systems & Controller Groundings

8:00am-4:00pm— Course Instruction

Irrigation Contractor

8:00am-4:00pm— Course Instruction

Day 1 of 2

Landscape Irrigation Design

8:00am-4:00pm— Course Instruction

Day 1 of 2

Thursday, February 5th

Understanding Pumps, Controls & Wells

8:00am-12:00pm—Course Instruction

Managing and Irrigation Service Company

1:00pm-4:00pm—Course Instruction

Irrigation Contractor

8:00am-4:00pm— Course Instruction

Day 2 of 2

Landscape Irrigation Design

8:00am-4:00pm— Course Instruction

Day 2 of 2

PROGRAM

Drip Design in the Landscape

- Focus where, when and how to use drip in landscape design.
- Topics include: line source and point source products and the correct application for each type.
- Learn the four key drip design elements: emitter selection, system layout, system applications and scheduling.
- Recommended prerequisites: understating of basic sprinkler hydraulics, some hands on experience with drip installation and/or maintenance and Landscape Irrigation Design
- Math skills required: basic

Course includes 1 day of instruction, manual, handouts and pipe sizing software.

Electrical Troubleshooting Part 1: Diagnosing Field Wiring Problems

- Focus: the basics of electrical troubleshooting that will save time and money.
- Topics: diagnosing field wiring problems without leaving the controller, proper use of volt-ohm meters, diagnosing wiring problems based on readings, and steps to sort out confusing electrical problems, so you'll rarely need to run new wire.
- Recommended prerequisites: basic understanding of irrigation system mechanical operation and maintenance, and *Irrigation System Installation and Maintenance*.

Course includes: 1/2 day of instruction, manual and handouts.

Electrical Troubleshooting Part 2: Transformers, DC Systems, 2-Wire Systems & Controller Grounding

- Focus: working on sophisticated irrigation systems, designed for experienced installation and repair technicians, featuring hands-on practice with real meters and components on simulated systems.
- Topics include: advanced electrical problems such as 2-wire systems, DC systems, diagnosing advanced problems through amp readings, phasing and grounding, plus identifying basic sensor problems.
- **Required** prerequisite: past attendance in *Electrical Troubleshooting Part I* is **mandatory, no exceptions**. Working knowledge of irrigation systems and equipment is recommended.

Course includes: 1 day of instruction, handouts and the use of simulation and test equipment.

Field Hydraulics

- Focus: basic hydraulics for irrigation system installation and maintenance technicians.
- Topics include: pipe sizing, friction loss, elevation changes, adjusting and modifying irrigation designs and existing systems, and calculating flow and pressure when adding, removing or changing heads on existing systems.
- Recommended prerequisites: working knowledge of irrigation system operation and mechanics of system additions and modifications.
- Math skills required: basic.

Course includes: 1/2 day of instruction, manual, handouts and pipe sizing software.

Irrigation Contractor

- Focus: irrigation contractor skills; good review for CIC exam (*though not a substitute for studying exam reference materials*).
- Topics: advanced soil-water-plant relationships, advanced hydraulics, pumps, job safety requirements, national codes affecting our industry, scheduling, water conservation, and system uniformity and efficiency details.
- Recommended prerequisites: field experience in system installation and basic design skills (pipe sizing, friction loss, etc.), *Irrigation System Installation and Maintenance*, *Landscape Irrigation Auditor* and *Landscape Irrigation Design*.
- Math skills required: basic.

Course includes: 2 days of instruction, manual, handouts and pipe sizing software.

Irrigation System Installation & Maintenance

- Focus: hands-on basics of irrigation system installation and maintenance, plus basic hydraulics.
- Topics include: gluing and repairing PVC pipe; installing nozzles and adjusting heads; setting and repairing electrical valves; plus field and controller wiring techniques

Course includes: 1 day of instructions, manual and handouts.

HOTEL ACCOMODATIONS

The Glenmore Inn and Conventions Center

Phone: (403)279-8611 or Toll Free 1-800-661-3163

www.glenmoreinn.com

Group rates start at: \$119.00/nt Standard Room + Taxes

Group ID: Alberta Chapter of the Irrigation Association

PROGRAM

Landscape Irrigation Design

- Focus: landscape irrigation design for irrigation designers.
- Topics: basic hydraulics, head layout, zoning, pipe sizing, routing and matched precipitation rate principles. Complete two designs from start to finish. •
- Note: though not a certification preparatory class, a good precursor for the CID program.
- Recommended prerequisites: *Landscape Irrigation Auditor* and *Irrigation Systems and Maintenance*, plus basic understanding of sprinkler system components and operation.
- Math skills required: basic.

Course includes: 2 days of instruction, manual, handouts and pipe sizing software.

Managing an Irrigation Service Company

- Focus: irrigation maintenance as a highly profitable, growing service opportunity for irrigation professionals.
- Topics include: irrigation service as a separate revenue center, service crew economies, service contracts, service marketing, and the differences between managing an installation division/company vs. a service division/company.
- Recommended prerequisites: familiarity and experience with the business-end of the irrigation industry.
- Math skills required: basic.

Course includes: 1/2 day of instruction and handouts.

Predicting & Estimating Landscaping Water Use

- Focus: estimating water use and costs using hands-on work and case studies for irrigation installers, designers and maintenance professionals and anyone involved in controller and regulating water use.
- Topics: plan and budget site watering needs by combining your local weather data with site-specific planning and soil information. Calculate daily, monthly, yearly system water use at any project stage.
- Recommended prerequisites: working knowledge of irrigation systems and equipment and Landscape Irrigation Auditor. Also suggested are Sprinkler System Scheduling and Landscape Irrigation Design.
- Math skills required: basic

Course includes: 1/2 day of instruction, manual and handouts.

SMART Technologies for Irrigation Management

- Focus: emerging technologies to help contractors improve irrigation water management.
- Topics include: devices and features, how and where to install and practical applications.
- Learn to use and install ET based controllers and weather and soil moisture sensors.
- Math skills required: basic.

Course includes: 1 day of instruction and manual

Understanding Pumps, Controls & Wells

- Focus: pump controls and applications and the wells and pumping systems used with them. Applicable to landscape, golf and ag.
- Topics: pump fundamentals, pump types, which to use for different applications, relationship between impeller and
- motor size, reading pump curves, and sizing pumps for peak efficiency.
- Recommended prerequisite: basic understanding of irrigation system hydraulics.
- Math skills required: basic.

Course includes: 1/2 day of instruction, manual and handouts.

Irrigation Association Exam Requirements

CIC: at least three years irrigation experience, or two years experience plus one year of education in an irrigation-related field to apply to the program.

CID: at least one year irrigation experience (or education) to apply to the program, and three years of irrigation-related experience to take the exam.

CAIS: field experience with the management and operation of on-farm irrigation systems, as well as intermediate math skills are highly recommended.

CGIA, CLIA: at least one year irrigation experience to apply to the program.

CWCM-L: at least three years irrigation experience (or two years experience plus one year of education) and current IA Auditor certification to take the exam.