

THE CUTTING
EDGE



CANADIAN INTERNATIONAL
TURFGRASS CONFERENCE
& TRADE SHOW



February 17 – 21, 2014
Vancouver, British Columbia

Canadian International Turfgrass Conference & Trade Show

February 17 - 21, 2014 in Vancouver, BC

Presented in partnership with the WCTA and in cooperation with the BCGSA



Photo courtesy of Tourism Vancouver



CANADIAN GOLF
SUPERINTENDENTS
ASSOCIATION



ASSOCIATION
CANADIENNE DES
SURINTENDANTS
DE GOLF

New Ideas and Initiatives

- Conference and Trade Show week is Monday, February 17 – Friday, February 21, 2014
- Specialized Learning Workshops (SLW) kick off CITCTS on Monday and finish up conference week on Friday
- Conference Program runs Tuesday – Thursday – no weekend activities
- Full Day education sessions on Tuesday and Thursday including Industry Presentations
- Industry Presentations as part of the conference education program providing companies with the opportunity to educate golf and turf practitioners with respect to their products and services
- President's Welcome Reception will be held on Monday evening following the SLW
- Our first ever Trade Show Opening Reception will be held on Tuesday evening following the full day of education
- Keynote speaker Trevor Linden follows the CGSA AGM on Wednesday morning before making a visit to the trade show
- Over 90 vendors, hourly tech talks, prize draws, complimentary lunch and the Fest of Ale will all be part of the Wednesday trade show in 2014
- Party Night on Wednesday
- BCGSA Pub Night on Thursday
- Innovative Early Registration Incentive helping your bottom line
- Golf Tournament hosted on Sunday by Kwantlen Polytechnic University Turf Club and Northview Golf & Country Club



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Get up-to-date conference news at:
www.golfsupers.com/vancouver2014



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KEYNOTE SPEAKER – Trevor Linden



Former NHL All-Star and Olympian, Trevor Linden is one of the most celebrated hockey players of all time. Widely respected in both the business and philanthropic worlds, Trevor's speeches stress the importance of diplomatic leadership and illustrate how giving back can be a motivator for success in both our professional and personal lives.

Trevor's NHL career spanned over 19 years, four teams, two All-Star games, and the Nagano Olympic Games. Named the youngest-ever captain of the Vancouver Canucks at just 21 years old, Trevor led the team to within a game of winning the Stanley Cup in 1994, earning him the lifelong nickname "Captain Canuck." Later elected president of the National Hockey League Players' Association, Trevor played an instrumental role over his eight years of service. In 2005-06, Trevor suited up for his 1,000th game as a Canuck, and a season later he became the first Canuck to score 300 goals for the team.

Since his retirement from professional hockey in 2008, Trevor has partnered with companies across Canada - like Bell, CIBC and Ernst & Young - to assist in the activation of their business programs, and also partnered with The Airey Group to pursue real estate and design projects, jointly developing several award-winning properties in British Columbia. He is the founder of Club 16 Trevor Linden Fitness, a collection of numerous locations in the Lower Mainland, all dedicated to making fitness membership fun and economically accessible for all.

Trevor established The Trevor Linden Foundation in 1997 in support of youth and children with special needs. He has also appeared in several key charity campaigns including Cops for Cancer, Canuck Place Children's Hospice, the Canadian Cancer Society's BC & Yukon Preventative Health Campaign, Ronald McDonald House BC, The Heart & Stroke Foundation of BC, and the BC Children's Hospital.

Over 40 Speakers and 100+ Hours of Education to Choose From...

Specialized Learning Workshops

All Specialized Learning Workshops will begin at 8:00 am unless otherwise noted. They will be taking place at the Fairmont Waterfront Hotel.

MONDAY, FEBRUARY 17, 2014

1: The ExtraOrdinary Leader

**Presented by: Kevin MacDonald,
The Coaching Depot**

This dynamic workshop is a live version of the year-long innovative leadership program that promotes and develops leadership at all levels of the organization. This session has been developed for all managers and any staff who are interested in defining what ExtraOrdinary can look like in their personal and professional lives. It is based on the premise that being a great leader of people begins with great self-leadership. One of the keys to success as a manager is having a competent and accountable leadership team. As the leadership bar is raised for every leader in the organization, it raises the professionalism and security of the manager. This session raises the bar!

Here are the key areas of focus in this session;

1. ExtraOrdinary Vision

- The power of creating a compelling personal vision and organization/ team vision
- Understanding the impact of our internal programming
- Becoming the architect of your vision and legacy
- Bringing out the visionary leader in you

2. ExtraOrdinary Communication

- Clean communication - the "inside-out" approach
- The magic of Extraordinary feedback
- Navigating the "difficult" conversations in work and in life

3. ExtraOrdinary Teams

- What makes teams Extraordinary
- Understanding your role and the role of others
- The value of being a role model – at all levels

4. ExtraOrdinary Standards

- Examining our own personal standards and the affect they are having on our current results
- Deciding to elevate your own standards to an Extraordinary level
- Raising the bar on your organization's standards

Join us for this powerful, practical leadership program that is designed and delivered from a coaching perspective. You will take with you great insights on leadership, having worked through coaching tools and exercises that will bring the learning to life. You will take with you a comprehensive workbook and the resources and tools to move your organization to the next level of ExtraOrdinary!

2: Using Good Fundamentals to Reduce Environmental Stresses on Cool-Season Grasses

**Presented by Jack Fry, Ph.D.,
Kansas State University**

This seminar will provide an overview of basic plant metabolism as a lead in to discussions about turf responses and

tolerance to environmental stresses. Stresses that will be covered include heat, cold, traffic, drought and shade.

3: Disease Management

**Presented by John Kaminski, Ph.D.,
Penn State University**

Top 10 Things:

1. Learn the importance of the disease triangle
2. Identify the components of various disease cycles
3. Understand why separating the snow molds is important
4. Find out which diseases are increasing and why
5. Learn to identify "new and emerging" diseases
6. Identify cultural practices that can reduce disease severity
7. Identify the importance of pesticide application techniques
8. Learn why certain fungicides are better than others
9. Identify which fungicides are appropriate for each disease
10. Get up to date on the latest fungicides for turf

Management of turfgrass diseases can be a daunting task for golf course superintendents. With existing turfgrass diseases to understand and new or emerging problems to keep up with, many turfgrass managers find themselves turning to the experts for advice. However, identification of various turfgrass pathogens and management of their respective disease can be achievable with a little investigation. By understanding and utilizing the 3 components of the disease triangle, turfgrass managers can effectively identify numerous diseases. This seminar will provide superintendents with the techniques to identify the important components of numerous turfgrass

pathogen and explain why the identification of other diseases is best left to the experts. Participants will learn why identification of a turf disease is only half the battle. Once the correct diagnosis has been achieved, superintendents must then determine the best control measure. While we often reach for the silver bullet, there are many cultural practices and techniques that can help to reduce disease severity and/or minimize chronic diseases from reappearing. Throughout the seminar, the importance of utilizing all management components available will be stressed for each disease. In some cases, diseases can be reduced through a combination of dew removal, thatch management and minimal fungicide use. In other cases, disease pressure may be so severe that preventive fungicides are the most economical and environmentally friendly option. Although this seminar will only scratch the surface of all that is involved in identification and management of turfgrass diseases, participants should leave with an increased understanding of the complexity of the host/ pathogen system and understand how they can enhance their disease management programs at their facility.

4: Sustainability and Sports Field Management

**Presented by Eric Lyons, Ph.D.,
University of Guelph and
Mark Lucas, University of California at Davis (ret)**

Environmental awareness and creating sustainable communities is an emphasis of community planning and development. Providing access to safe sustainable sports fields is more challenging than ever. Pesticide restrictions have become more common throughout North America and legislation in Canada has forced sports turf managers to alter practices including mowing, fertility, irrigation, overseeding, hours of use and renova-

tion practices to continue to provide quality sports fields in a sustainable way. This session will highlight the practices that help create safe sports fields with sustainability at the forefront of the management practices. It will also review the proper use and limitations of numerous nonconventional products introduced to the market to increase the ability of the sports turf manager to properly allocate resources. Finally a session addressing the sustainable maintenance of synthetic fields as part of a comprehensive sports field management plan will be included.

Learning Outcomes:

- You will have an understanding of how seasonal management must be altered to reduce reliance on conventional pesticides and reduce inputs
- You will be able to communicate the increased labour and material costs of managing athletic fields without conventional pesticides
- You will understand the difference between nonconventional low risk pesticides and organic management, will be able to differentiate between different types of nonconventional pesticide products, and will be able to apply the ones that work efficiently to maximize return on investment
- You will understand the basic maintenance of synthetic fields and how synthetic fields impact the sustainability of an operation.

5: GreenSpeed

(Half day beginning at 1:00 pm)

Presented by Thomas Nikolai, Ph.D., Michigan State University

For over 20 years, Thomas A. Nikolai, Ph.D. has conducted research on the impact that cultural and mechanical practices have on green speed and turfgrass health. This green speed update will include greens mowing management research performed over the past two years, including the impact of

frequency of clip (FOC), bedknife behind centre distance (BCD) adjustments, and forward and counter rotating brushes. This seminar will also discuss studies from the past four years that examined the impact of different fertilizer carriers, irrigation regimes and wetting agents on green speed and turfgrass performance. Also included will be lightweight rolling/mowing frequency research and the Morris Method for determining a golf courses ideal green speed.

6: Cool Season Putting Green Improvement – Changing Species or Cultivars, Interseeding or Regrassing

(Half day beginning at 1:00 pm)

Presented by Leah Brilman, Ph.D., Oregon Seed Company

Significant improvements have been made in creeping bentgrass cultivars. Utilization of new genetics will enable reduced water use and require less fungicides when compared to Poa Annua or older cultivars. Improvements in cultivars and pluses and minuses in changing these will be covered. As will techniques and case studies in changing cultivars including the timelines involved and the costs. This seminar will discuss why greens fail and in many cases why, if not modified, they will fail again. New information on additional species and cultivars for extremely cold environments and coastal climates will also be discussed.

FRIDAY, FEBRUARY 21, 2014

7: An Ecological Approach to Bentgrass & Annual Bluegrass Management

Presented by Frank Rossi, Ph.D., Cornell University

An essential aspect of improving golf turf management efficiency and moving toward sustainability as an industry is understanding the complex interaction

among the plants, the maintenance and the environment, i.e., the ecology. The first step is coming to understand the nature of one versus multiple grass systems and the potential for increased diversity to improve efficiency whilst maintaining high performance playing surfaces. This seminar will explore the various ecological aspects of golf course turf including plant biology, mowing, nutrient and water management as well as pest management. We will introduce the concept of the Disturbance Theory and how this approach could transform golf turf management.

8: Plant-Soil Interactions

Presented by Nick Christians, Ph.D., Iowa State University

The objectives of this seminar are to present the basic principles and terminology involved in plant nutrition and in the science of soil testing in a straight forward manner that can be used by turfgrass professionals in their daily activities. The goal is that participants will be able to interpret their own soil tests and use the information to develop efficient and cost effective fertility programs. This program is applicable to both golf and sports turf professionals.

9: Managing Budgets and Standards: Tools for Communicating and Balancing Costs and Expectations

(Half day starting at 8 am)

Presented by Shaun Henry, Advantage Golf Advisors

Today's challenging economy and the rapidly rising cost of materials means that balancing your maintenance budget with expectations is becoming more difficult than ever. This seminar will provide an in-depth look at the overall planning and communication process

including the relationship between operating budgets and maintenance standards. Topics Include:

- How to communicate the cost to produce specific course conditions
- The many benefits or uses for written maintenance standards
- How to use maintenance standards to describe and manage expectations and create common ground between members, patrons, decision makers and staff,
- What should and should not be in a maintenance budget
- The appropriate level of detail for maintenance budgets
- How to avoid the pitfalls of comparing budgets of different courses

10: Gadgets and Gizmos – Using Technology to Monitor the Turf Environment

(Half day starting at 8 am)

Presented by Mike Richardson, Ph.D., University of Arkansas

Technology for turfgrass management continues to advance at a very rapid pace. From the use of soil and light measurement technology to phone apps, there are many tools that superintendents can use to improve their management programs. This seminar will cover a range of technologies that are available to superintendents and discuss costs, applications, and potential problems.

Speakers, Topics and Timing Subject to Change

Continuing Education Credits

Applications have been made to approval agencies in BC, AB, MB, ON, NB, NS and NL for CEC. The outcomes of those application processes will be posted at [www.golfsupers.com/vancouver2014](http://golfsupers.com/vancouver2014).

2014 CITCTS Education Program

For details on these sessions visit www.golfsupers.com/vancouver2014

TUESDAY, FEBRUARY 18, 2014

Disease Management

John Kaminski, Ph.D.

Conventional Fungicides vs. Resistance Activators

Tom Hsiang, Ph.D.

Water Performance Management to Improve Turf Performance

Jack Fry, Ph.D.

Managing Your Fleet in a Tough Economy

Stephen Tucker & Mike Kriz

Engineered Compost Teas

Dale Overton

Drought Tolerance in Cool-Season Turfgrass – Selective Species and Cultivars

Leah Brilman, Ph.D.

Competitive Turf

Eric Lyons, Ph.D.

Are There Benefits to Rolling Athletic Fields

Thom Nikolai, Ph.D.

Shop Safety – How to Complete a Risk Assessment

Bill Godkin & Anna Armstrong

Green Speed Debate

Rob Golembiewski, Ph.D.
Thom Nikolai, Ph.D.
John Sorochan, Ph.D.

Preparation (H)Eat: Thinking Ahead will Help Prevent Next Summer's Turf Decline

Jack Fry, Ph.D.

Weed Management Tips, Techniques and Timing

Eric Lyons, Ph.D.

Maintenance Strategies for Declining Budgets

Stephen Tucker & Mike Kriz

Realistic Review of Maintenance Practices for Synthetic Turf Fields

Mark Lucas

Equipment Technician Open Forum

THURSDAY, FEBRUARY 20, 2014

Managing Problematic Turf Disease

Rob Golembiewski, Ph.D.

Top Tools for Effectively Communicating and Balancing Costs and Expectations

Shaun Henry, MAI

How, Where and When to Use Crumb Rubber for Sports Fields

Tim Vanini, Ph.D.

Having that Difficult Conversation

Kevin MacDonald

Soil Ecology and Integrated Approaches to Turfgrass Management

Dale Overton

Fertility for Sand Based Sports Fields

Nick Christians, Ph.D.

Alberta Flood – The Impact to Golf Courses and Lessons Learned

Using Soil Moisture Meters and Sensors to Improve Irrigation Efficiency

Mike Richardson, Ph.D.

Research Focusing on Athlete Safety and Performance

John Sorochan, Ph.D.

Cutting Units in the 21st Century

Stephen Tucker & Mike Kriz

Managing Turfgrass in the Shade

John Sorochan, Ph.D.

Creating Employment Contracts

Alan Winter

Getting a Sports Field Ready in 70 Days

Tim Vanini, Ph.D.

Poa Annua Biology and Control

Nick Christians, Ph.D.

What You Can Do Now to Protect Greens for the Winter

Jim Ross

Turf Management 2020 – The Future in Focus

Frank Rossi, Ph.D.

Application Techniques

Written Programs & Procedures – How to Create a Written Operating Procedure for Your Equipment

Bill Godkin & Anna Armstrong

Industry Presentations

A new addition to the CITCTS, these sessions are 30 minute opportunities for exhibiting companies to present products, equipment, services or research activities to the delegates in an education environment. These sessions will be scheduled for an hour on both Tuesday and Thursday and will provide delegates with information on products that could be important to them in the management of golf or sports turf facilities. CITCTS strives to provide a wide-range of learning opportunities. This approach adds to those ideas and is sure to be both a helpful and exciting addition to the CITCTS education program!

Education program sponsored by



Growing Golf through Science and Education

Social Events

CITCTS 2014 offers delegates a social and networking program that makes it easy to enjoy your conference experience and to meet colleagues and friends whether you are a seasoned conference veteran or a first time attendee. Having the events included as part of the All-Inclusive registration package also provides a tremendous value for your registration dollar and helps to reduce the overall cost of attending the event.



PRESIDENT'S WELCOME RECEPTION (MONDAY)*

RainBird Always one of the conference highlights, this RainBird International sponsored reception will be held following the conclusion of the Specialized Learning Workshops at the Fairmont Waterfront Hotel. This will allow delegates the opportunity to enjoy an evening in Vancouver with colleagues and friends.

THE CGSA/WCTA AWARDS LUNCHEON (TUESDAY)*

The joint CGSA and WCTA event will bring together all delegates to celebrate and recognize the top award winners in golf course and turf management in Canada. Sponsored by Bayer Environmental Science, this luncheon acknowledges the significant contribution that each award recipient has made to the golf and turf management industry.

PARTY NIGHT (WEDNESDAY)*

JOHN DEERE GOLF A perennial favourite with conference attendees, the Party Night, sponsored by John Deere Golf, features casual attire, comfort food and a relaxed atmosphere, all of which adds up to a chance for some great networking and an opportunity to get together with old friends or make some new ones. The ultimate in networking opportunities, make sure you bring your business cards to this party.

**This event is included in the All-Inclusive registration package or single tickets may be purchased. If you are purchasing an individual ticket please do so early; space is limited and tickets may not be available at the event.*

FEST OF ALE (WEDNESDAY)

Another great chance to meet with people from all sides of the golf course and turf management business the Fest of Ale (Trade Show Social) features great networking, no competing education sessions and an opportunity to win some fabulous prizes. Light snacks and a cash bar round out the atmosphere for this special networking time with your industry partners.

All-Inclusive Package registrants will receive drink tickets for this function.

TRADE SHOW LUNCHEON (WEDNESDAY)

Over the 2014 CITCTS event, enjoy 8.5 hours of exclusive trade show time, meaning no competing activities to draw your attention away from this networking opportunity. Share your challenges and victories with industry leaders from over 100 exhibiting companies and over 1000 of your turf industry colleagues. Sometimes it's just good to know that you aren't the only one dealing with an issue. The trade show and the par-

ticipating suppliers are there to provide solutions. Use your time on the trade show floor to source new approaches, make new contacts and share ideas on the best way to handle those trouble spots at your facility.

This is the perfect opportunity to get three or four of your colleagues and industry partners together on the trade show floor to brainstorm a problem. Start up an impromptu focus group and you'll be amazed at what can come out of a 10 minute conversation – or pop into the Tech Talk centre for a short burst of education.

An upgraded lunch will be provided for all delegates.

BCGSA PUB NIGHT (THURSDAY)*

The British Columbia Golf Superintendents Association will be hosting a casual get together at a facility close to the VCC following the end of the conference on Thursday. Enjoy your last evening in a relaxed atmosphere with your friends and colleagues.

OUR SPONSORS:



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RAIN BIRD

Club Car



Golf Tournament

On Sunday, February 16, 2014 the Kwantlen University Turf Club along with Northview Golf & Country Club will host a golf tournament.

Location: Northview Golf & Country Club
6857 – 168 Street
SURREY, BC V3S 8E7

Entry Fee: \$110 per player

Includes: 11:00 am Shotgun with cart
Free club rentals and range balls,
compliments of Northview
Box Lunch
5:30 pm Dinner of roast beef and salmon buffet
Prizes for long drive, closest to the pin, hole in one
Optional bus transportation from the host hotel at
9:00 am; returns at 7:00 pm



Hotel and Travel Information

The headquarters hotel for the 2014 CITCTS will be the Fairmont Waterfront Hotel. The Waterfront will host our Specialized Learning Workshops and several social events, and is located across the street from the Vancouver Convention Centre. The **Fairmont Waterfront Hotel** offers delegates a special conference rate of \$179 for a Fairmont Room. Upgraded rooms are available for an additional fee. If you wish to call the hotel directly do so by dialing 1.604.691.1820 or 1.800.441.1414 and quote file number 2014CGSA.

Rooms are also available for conference delegates at **The Marriott Pinnacle** and **The Renaissance Vancouver Harbourside**. These hotels are located approximately 7 minutes (walk) away from the Vancouver Convention Centre. The Marriott Pinnacle and Renaissance Vancouver Harbourside are offering an outstanding rate of \$139 for a Standard Room. You can contact the Marriott Pinnacle by phone and book your reservation at 1.800.207.4150 or 1.604.684.1128 and quote reference # M-HMHC6D. You can contact the Renaissance Vancouver Harbourside by phone at 1.800.905.8582 and quote reference # M-SIAHGQ

A short walk from the Vancouver Convention Centre is **The Days Inn Vancouver Downtown**, which also offers discounted rates of \$109 for a queen room or \$115 for a double/double room for our conference delegates. To book at The Days Inn Vancouver Downtown please call 1.877.681.4335 and quote group code CGTURF.

WESTJET has been selected as our airline of choice for the event. The group code will entitle travelers to a 10% discount off the best-available Flex fare at the time of booking. (Excludes Econo and Plus Fares). To book reservations using the discount code of CC7685 call WestJet Groups from 7 am – 5:30 pm MST Monday – Friday at 1-888-493-7853.

PROGRAM AT A GLANCE

Specialized Learning Workshops will take place at the Fairmont Waterfront Hotel. Conference Education sessions and the trade show will take place at the Vancouver Convention Centre – East Building.

SUNDAY, FEBRUARY 16, 2014

Kwantlen University Turf Club CITCTS Golf Tournament Northview G & CC
11:00 am (shotgun)

MONDAY, FEBRUARY 17, 2014

Specialized Learning Workshops	8:00 am – 5:00 pm
President's Welcome Reception	5:00 pm – 7:00 pm

TUESDAY, FEBRUARY 18, 2014

Opening Ceremonies	8:00 am
Education Sessions	8:30 am – 12:00 pm
Awards Luncheon	12:00 pm – 2:00 pm
Education Sessions	2:00 pm – 5:00 pm
Grand Opening of the Trade Show	5:00 pm – 7:00 pm

WEDNESDAY, FEBRUARY 19, 2014

CGSA AGM and Breakfast	7:00 am
Keynote Address	9:00 am
Dedicated Trade Show Time (includes luncheon, tech talks and prize draws)	10:00 am – 4:00 pm
WCTA AGM	12:00 pm
FEST OF ALE	2:30 pm – 3:30 pm
Wednesday Night Party	7:00 pm – 10:00 pm

THURSDAY, FEBRUARY 20, 2014

Education Sessions	8:00 am – 12:30 pm
Lunch on your Own	12:30 pm – 1:30 pm
Education Sessions	1:30 pm – 4:30 pm
BCGSA Pub Night	6:00 pm

FRIDAY, FEBRUARY 21, 2014

Specialized Learning Workshops	8:00 am – 5:00 pm
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Horticulture Programming

A one day horticulture education program is being held as part of the 2014 CITCTS. Education topics that are being investigated include:

- Perennials and ornamental grasses in the garden
- Edible gardens for the clubhouse
- Gardening on a budget
- Tree maintenance
- Attracting beneficial insects and animals through plants and naturescape methods
- Designing gardens with bulbs for spring
- Compost teas



These sessions are open to all who have registered for an All-Inclusive, Conference Education Package or the Daily Education Package for Tuesday.

Equipment Technician Programming

Turf industry equipment technicians will have the opportunity to attend three days of education and trade show access during CITCTS 2014.



Equipment related topics include:

- Open Forum Discussion on relevant issues and trends
- Tour of a working golf course maintenance shop
- Shop safety: How to Complete a Risk Assessment
- Developing Operating Procedures for Your Equipment
- Maintenance Strategies for Declining Budgets
- Managing Your Fleet in a Tough Economy
- Cutting Units in the 21st Century

These sessions are open to all delegates registered for an All-Inclusive or Conference Education Package or the daily education on Tuesday or Thursday.

Register at:
www.golfsupers.com/vancouver2014

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As your National Association, the Canadian Golf Superintendents Association is committed to delivering professional development education and information that is vital to you. Our conference is just one of the many ways we accomplish this task. You can keep up on the latest conference developments by visiting our web site at:

www.golfsupers.com/vancouver2014

– or by reaching out to us at cgsa@golfsupers.com

Twitter:

@GolfSupers @cgsaeducation

Facebook:

www.facebook.com/pages/Canadian-Golf-Superintendents-Association/151227228150

The 2014 CITCTS is presented in partnership with the
The Western Canada Turfgrass Association



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