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Opportunities Abound as STMA Heads West!

STMA heads west, to Long Beach, Calif. from Jan. 10-14, 2012 for the 23rd Annual STMA Conference and Exhibition. Settled along five-and-a-half miles of sandy coastline, Long Beach is the quintessential vacation getaway, boasting both the ambience of a sophisticated urban center and the charm of a seaside community. Located just 20 miles south of Los Angeles, California's fifth largest city offers visitors a dynamic range of attractions, shopping, recreational activities, art and culture, restaurants and nightly entertainment that make it an ideal destination for attendees.

As has been the case for several years, STMA has expanded the educational track, with more than 65 education sessions to choose from, organized into nine different educational tracks (you'll learn more about these later in this article). All of this year's sessions were selected with one thing in mind... you and your facility coming away with new opportunities, ready to be capitalized on when you return home.

As usual, there will be ample opportunity to network, visit with STMA commercial members and vendors at the trade show, and take away valuable, actionable lessons from world class educators. Make sure and check out page 21 of this article for What to Do Next, to ensure that you and your crew are able to attend this invaluable investment in you, your staff and your facility.

Conference Highlights

STMA Networking Sessions Wed., Jan. 11, 4:30 - 5:30 p.m.

Members say that networking is one of the top reasons they join STMA. Thus, in addition to all of the networking opportunities throughout the conference, we've created a formalized networking kick-off. Network with professionals from facilities similar to your own! The forum is divided by category into separate sessions for schools K-12 facilities, colleges and universities, facilities used by professional athletes, parks and recreation facilities, academics and students.

Welcome Reception

Sponsored by Toro and Covermaster

Wed., Jan. 11, 7:30 - 10 p.m.

First-Time Attendees Reception – 7 - 7:30 p.m.

A must-attend networking event! Kick off the conference in style with the other influencers who are in Long Beach. Enjoy food and drink courtesy of Welcome Reception sponsors Toro and Covermaster.

SAFE Casino Night at the Welcome Reception

Wed., Jan. 11, 8:30 - 10 p.m.

The SAFE Foundation will be debuting Casino Night at the Welcome Reception at 8:30 p.m. with many games and opportunities to win prizes while supporting STMA's charity.

ESTIMATED INVESTMENT TO ATTEND

Complete Conference Package (Including meals and preconference workshops) – STMA Member – \$375

Ground Transportation – \$50

Misc. meals – \$40

3 nights lodging at STMA official hotel – \$639

Air Transportation – \$340

Total – \$1,444

Remember, that's an investment - not a cost! STMA's previous conferences have delivered a return on investment of 1,375 percent! For a detailed ROI report, go to www.STMA.org and click on the Conference tab, 2011.

*There are ways to reduce your costs significantly. Just splitting the ride to and from the airport and sharing a room with one other person can reduce these costs by more than \$340!

General Session Keynote Speakers

Thurs., Jan. 12, 8 - 10 a.m.

Sponsored by World Class Athletic Surfaces



Dr. Frank Rossi, Ph.D. Meeting the Needs of Today without Compromising Tomorrow: Sustainable Sports Turf

Frank Rossi has been recognized among the most

influential people in the golf, sports and lawn turf industry. He has spent the majority of his career in turfgrass science focused on improving the resource efficiency and environmental compatibility of turfgrass systems. He has served as lead turf consultant for the New York Yankees, Green Bay Packers, Lincoln Center for Performing Arts, the Randall's Island Sports Foundation, and for the 2002 and 2009 US Open Golf Championships. His presentation will address the global aspects of sustainability and the demands that go beyond the recreational function of sports surfaces. Sports turf management, often focused solely on athlete safety, now must consider other impacts. Hear about how to leverage the social, economic, and environmental mission of sports turf management into an ideal opportunity to address the broader issue of sustainability.



Eric Boles - Lead with Purpose

Eric Boles is a highly acclaimed speaker and consultant for some of the most recognized companies in the world - Starbucks, Boeing, Coca Cola and Southwest Airlines - to name a few.

Prior to becoming an authority on teamwork, leadership and personal development, Eric learned many principles of team dynamics and leadership from his experience playing in the NFL with the New York Jets and Green Bay Packers. His presentation, Lead With Purpose, will help you become intentional in how you develop as a leader, and how you develop others to lead. Find out how your influence grows with your commitment and ability to create relationships. Learn how your personal character and integrity directly impact your ability to effectively influence people. Discover what is necessary to help achieve sustainable long-term results.

STMA Annual Meeting & Lunch

Thurs., Jan. 12, 12 - 1:15 p.m.

Members Only

There is no scheduled Student Session during this time so that Students can now attend! Meet your new 2012 Board Members and hear about the association's progress and goals while enjoying lunch.

STMA Annual Awards Banquet & Pre-Banquet Reception

Fri., Jan. 13, 6:30 - 10 p.m.

Enjoy fabulous food and beverage while honoring STMA award winners. Be a part of the surprise when STMA's highest honors, the Founders' Awards, are presented to four unsuspecting members.

Educational Program

The 2012 STMA Conference focuses on providing new ideas, recognizing opportunities and discovering solutions for managing sports facilities. Demonstrations, classroom education, roundtables, workshops, and networking all provide chances for sports turf managers to access information that will lead to success. The sessions have been organized into nine separate educational tracks, and we've implemented a session numbering system (100's on Wednesday, 200's on Thursday, and 300's on Friday. Higher numbered classes do NOT necessarily mean advanced content, just that the session is later in the day.), to help you better manage your time on-site. We strongly encourage you to use the Schedule Builder and Trip Report STMA has developed to ensure that you and your facility maximize your investment in Long Beach.

SYNTHETIC

STMA 100 - Synthetic Turf: Concept, Design, Construction, Completion, Maintenance, and Lifecycle Planning

Wed., Jan. 11, 8 a.m. - 12:15 p.m.

Speaker: Mark Nicholls, Turf Industry Inc.

This workshop focuses on an in-depth analysis of synthetic turf.

REGISTRATION HOURS

- ⊙ Tues., 6:30 - 10 a.m. (Hyatt), AND 3-7 p.m. (Conv. Cntr.)
 - ⊙ Wed., 6:30 a.m. - 7 p.m. (Conv. Cntr.)
 - ⊙ Thurs., 6:30 a.m. - 7 p.m. (Conv. Cntr.)
 - ⊙ Fri., 6:30 a.m. - 2 p.m. (Conv. Cntr.)
- All badges will be picked up on-site

TRADE SHOW HOURS

- ⊙ Thurs., Jan. 12, 4:15 - 7:45 p.m. (Reception)
- ⊙ Fri., Jan. 13, 10 a.m. - 2:45 p.m. (Lunch)
- ⊙ Don't miss the SAFE Silent Auction, and the Top 10+ Monitoring Tools for Turf session on the show floor by Dr. Larry Stowell: Thurs., Jan. 12, 5:30 - 6:30 p.m. and Fri., Jan. 13, 11:30 a.m. - 12:30 p.m.

SCHEDULE AT A GLANCE

Tues., Jan. 10

6:30 - 8 a.m.	Continental Breakfast
6:30 a.m. - 10 a.m.	Registration Open (Hyatt)
7 a.m. - 3:30 p.m.	Seminar on Wheels (optional)
3 - 7 p.m.	Registration Open (Conv. Cntr)
3:30 - 7:30 p.m.	Certification Exam
6 - 9 p.m.	Chapter Officers' Training

Wed., Jan 11

6:30 - 8 a.m.	Continental Breakfast
6:30 a.m. - 7 p.m.	Registration Open
7 a.m. - 3:30 p.m.	Seminar on Wheels
7 a.m. - 4 p.m.	SAFE Golf Tournament
8 a.m. - 12:15 p.m.	Education
2 - 4 p.m.	Education
4:30 - 5:30 p.m.	Networking Sessions
5:45 - 6:45 p.m.	Committee Meetings
7 - 7:30 p.m.	First Timers' Reception
7:30 - 10 p.m.	Welcome Reception & Casino Night (NEW!)

Thurs., Jan. 12

6:30 - 8 a.m.	Continental Breakfast
6:30 a.m. - 7 p.m.	Registration Open
6:45 - 7:45 a.m.	CSFM Breakfast
8 - 10 a.m.	General Session
10:15 - 11:45 a.m.	Student Session
10:30 - 11:45 a.m.	Education
12 - 1:15 p.m.	Annual Meeting & Lunch
1:30 - 4:15 P.M.	Education
4:15 - 7:45 p.m.	Trade Show & Reception

Fri., Jan. 13

6:30 - 8 a.m.	Continental Breakfast
6:30 a.m. - 2 p.m.	Registration Open
6:45 - 7:45 a.m.	Past President's Breakfast
7 - 7:45 a.m.	Innovative Sessions
8 - 10 a.m.	Education
10 a.m. - 2:45 p.m.	Trade Show & Lunch
2:45 - 5 p.m.	Education
6:30 - 10 p.m.	Awards Reception and Banquet

The point you begin to consider synthetic turf through the entire lifecycle of the field will be detailed in a chronological explanation. Topics covered will include design elements, specification considerations, vendor selection, project management, care and maintenance requirements, and lifecycle planning.

Attendees will learn:

- How to professionally identify, select, and procure a synthetic turf system to meet sports specific needs at your facility.
- Best Practices for the professional care and maintenance of a synthetic turf surface to extend the useful life and enhance the ROI.
- Routine synthetic turf testing to optimize performance and maximize safety.

STMA 209 – A Realistic Review of Maintenance Practices for Synthetic Turf Fields

Thurs., Jan. 12, 10:30 - 11:45 a.m.

Speaker: Mark Lucas, University of California – Davis

STMA 221 – Synthetic Turf Removal, Reclamation, and Recycling

Thurs., Jan. 12, 2:45 - 3:30 p.m.

Speaker: Zach Burns, The Motz Group

STMA 305 – A Review of the NFL Synthetic Turf Game Day Standards and Synthetic Turf Base Construction

Fri., Jan. 13, 8 - 9 a.m.

Speaker: Dr. Andrew McNitt, Penn State University

STMA 306 – Sustainable Athletic Fields and Related Environmental Issues

Fri., Jan. 13, 8 - 9 a.m.

Speakers: Patrick Maguire, Activitas

David Nardone, Stantec Sport

STMA 317 – Artificial Turf Painting and Removal

Fri., Jan. 13, 2:45 - 3:30 p.m.

Speaker: Grant Davisson, Minnesota Vikings Football

SUSTAINABILITY

STMA 101 – Perceived and Real Environmental Impacts of Phosphorus

Wed., Jan. 11, 8:00 - 10:00 a.m.

Speakers: Dr. Gwen Stahnke, Washington State University - Puyallup

Dr. Elizabeth Guertal, Auburn University

Dr. Brian Horgan, University of Minnesota

STMA 102 – A New Era in Sports Turf Management

Wed., Jan. 11, 10:15 - 11:15 a.m.

Speakers: Kevin Mercer, St. Mary's College of Maryland

Jim Sluiter, Audubon International

STMA 103 – Weed Control without Synthetic Herbicides

Wed., Jan. 11, 11:15 a.m. - 12:15 p.m.

Speaker: Dr. Douglas Linde, Delaware Valley College

Valley College

The recent increase in public pressure to further restrict or ban synthetic pesticides on turfgrass has increased research on alternatives to synthetic pesticides. Currently there are very few viable alternatives to synthetic herbicides. Research from a study conducted from 2009-2011 investigates the effectiveness of 12 alternatives to synthetic herbicides for weed control in turfgrass. Results showed a wide range in weed control and cost. The results will be used to provide a basis for defining and describing alternatives to synthetic herbicides that could be used on sports fields. Field managers educated in this area will be better prepared to reduce reliance on

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synthetic herbicides either voluntarily or if forced by legislation.

This presentation will focus on:

- Understanding the public pressure being put on turfgrass managers to reduce or eliminate pesticide use.
- Various alternatives to synthetic herbicides for turfgrass and their advantages and disadvantages.
- How to incorporate alternatives into a sports field weed control program.

STMA 200 – Keynote Presentation: Meeting the Needs of Today without Compromising Tomorrow: Sustainable Sports Turf
Thurs., Jan. 12, 8 - 9 a.m.

Speaker: Dr. Frank Rossi, Cornell University

STMA 208 – Environmental and Economic Considerations of Nitrogen Fertilization
Thurs., Jan. 12, 10:30 - 11:45 a.m.

Speaker: Dr. Brian Horgan, University of Minnesota

AGRONOMIC

STMA 104 – Turfgrass Physiology for the Sports Turf Manager

Wed., Jan. 11, 2 - 4 p.m.

Speaker: Dr. Tony Koski, Colorado State University

STMA 107 & 205 – Back to Basics: Maintaining Natural Grass on Native Soil

Wed., Jan. 11, 2 - 4 p.m.

Repeated Thurs., Jan. 12, 10:30 - 11:45 a.m.

Speaker: Brad Jakubowski, Doane College

STMA 206 – Managing Turfgrasses During Drought

Thurs., Jan. 12, 10:30 - 11:45 a.m.

Speaker: Dr. Ali Harivandi, University of California

Recreational facilities located in climates characterized by long, hot, dry summers must water turfgrasses to survive under hot, dry conditions. During drought conditions, cost and demand for water rises and facilities are under pressure to use water more efficiently. This presentation will focus on how turfgrasses use water, ability of turfgrasses to resist drought, irrigation practices, and smart cultural practices during drought conditions.

Attendees will learn:

- How to reduce irrigation water use dur-

ing water shortages to conserve water and cost and still keep turfgrasses alive.

- About soil-water-plant relationships to become more effective agronomists.
- How to modify other turfgrass management practices (mowing, fertilization, aeration) during water shortage periods to help turfgrass plants survive.

STMA 212 – Comparison of Synthetic and Organic Fertilizers for Sports Turf
Thurs., Jan. 12, 1:30 - 2:30 p.m.

Speaker: Dr. Tony Koski, Colorado State University

STMA 223 – Bermudagrasses: New Varieties for Sports Turf and Management Tips from the Pros
Thurs., Jan. 12, 2:45 - 4:15 p.m.

Speakers: Dr. John Sorochan, University of Tennessee

Dr. A.J. Powell, Jr., Retired – University of Kentucky

Darian Daily, Paul Brown Stadium

Leif Dickinson, Del Mar Thoroughbred Club

STMA 224 – Cool Season Turfgrasses: New Varieties for Sports Turf and Management Tips from the Pros



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WHAT THE CONFERENCE INCLUDES

- Full day of pre-conference workshops
- More than 90 hours of education
- More than 8 dedicated hours with exhibitors
- 20 hours of networking
- Breakfasts and lunches
- Receptions and the 2012 STMA Awards Banquet

Thurs., Jan. 12, 2:45 - 4:15 p.m.

Speakers: Brad Park, Rutgers
Dr. Gwen Stahnke, Washington State University - Puyallup
Dr. John "Trey" Rogers III, Michigan State University
Bill Deacon, New York Mets
Tim VanLoo, CSFM, Iowa State University

STMA 226 – Deciphering Your Soil Test Thurs., Jan. 12, 3:30 - 4:15 p.m.

Speaker: Dr. Elizabeth Guertal, Auburn University

STMA 228 – Turfgrass Physiology: Solar Radiation is the Driving Force of Sports Turf Management

Thurs., Jan. 12, 3:30 - 4:15 p.m.
Speaker: Dr. Karl Danneberger, Ohio State University

STMA 301 – Kentucky Bluegrass – Monostand or Blend

Fri., Jan. 13, 7:15 – 7:30 a.m.
Speaker: Dr. John "Trey" Rogers III, Michigan State University

STMA 304 – Turfgrass Management in the Transition Zone

Fri., Jan. 13, 8 - 9 a.m.
Speakers: Dr. A.J. Powell Jr., Retired – University of Kentucky
Dr. John Sorochan – University of Tennessee

STMA 307 – Sportsturf 101 - in Spanish - Céspedes Deportivos 101- En español Fri., Jan. 13, 8 - 10 a.m.

Speaker: Jose Makk, Natura Turf
This seminar will provide a solid introduction to turfgrass management. Real cases will be presented that focus on turfgrass ecological impact, soil identification and common problems, nutrient balance, and turfgrass management and culture. The session will include a step by step approach to identify and diagnose some of the most common problems in turfgrass. Attendees will:

- Learn principles of good turfgrass management.

- Be guided through a step by step process to identify turfgrass problems.
- Have the opportunity to ask questions and receive answers to specific turfgrass problems.

STMA 309 – Sports Turf PTI (Professional Turf Intelligence)

Fri., Jan. 13, 8 - 10 a.m.
Speakers: Dr. Frank Rossi, Cornell University
Dr. Roch Gaussoin, University of Nebraska

This session is a fast-paced debate style learning experience. Some of the toughest issues facing sports turf managers will be discussed, including synthetic versus natural turf care, low budget-high traffic, use of PGR's, resodding fields, and infield skin care. Inspired by the ESPN show "Pardon the Interruption" the instructors will outline topics from their perspective, face some challenging questions, and banter about broader issues facing sports turf managers. Bring your questions for this unique educational experience.

Attendees will:

- Increase their awareness of the latest research on field safety, plant nutrition, and species selection and use.
- Have conventional wisdom challenged that will result in increased awareness of the latest developments in sports turf management.
- Be able to improve their ability to communicate to field users about topics that might be controversial through their engagement in the PTI process.

STMA 319 – Variety Selection and Management of Tall Fescue for Sports Fields

Fri., Jan. 13, 2:45 - 3:30 p.m.
Speaker: Brad Park, Rutgers

STMA 323 – John Mascaró's Photo Quiz Comes Alive

Fri., Jan. 13, 3:45 - 4:30 p.m.
Speaker: John Mascaró, Turf-Tec International

WATER

STMA 105 – Sports Field Drainage - What Are Your Options?

Wed., Jan. 11, 2 - 4 p.m.
Speaker: Ian Lacy, Institute of Groundsmanship
Sports field drainage is fundamental to the success or failure of a sports field. Climatic conditions and demands placed on facility usage and utilization make drainage an essential function of sports fields. This presentation will explore in detail the importance of drainage, types of

drainage options, advantages, disadvantages, and costs of each drainage option, function of drainage options, installation processes, and effects of maintenance programs on drainage.

There will be a focus on:

- The importance of sports field drainage and how it could affect your facility.
- Types of drainage options and how to identify the right option for your facility.
- Understanding how your maintenance program may be affecting sports field drainage.

STMA 310 – Irrigation Water Quality Evaluation and Management

Fri., Jan. 13, 9:15 - 10 a.m.
Speaker: Dr. Ali Harvandi, University of California

BASEBALL

STMA 106 – The Science of Skin Infields Wed., Jan. 11, 2 - 4 p.m.

Speakers: Clayton Hubbs, Stabilizer Solutions Inc.
Barney Lopas, Angels Baseball Club
Grant Trenbeath, Arizona Diamondbacks

STMA 207 – Infield Skin Maintenance from Little League to the Pros

Thurs., Jan. 12, 10:30 - 11:45 a.m.
Speaker: Bill Deacon, New York Mets

STMA 227 – Paying Attention to Detail – Yearly Management at PETCO Park

Thurs., Jan. 12, 3:30 - 4:15 p.m.
Speaker: Luke Yoder, San Diego Padres

This presentation will focus on baseball field management requirements over the course of one year at PETCO Park in San Diego, California. Topics covered include maintenance during the off-season, preparation for opening day, special projects, implementation of cultural practices, the fertility program, turf repairs, edge work, dirt work, special events, and the game day routine.

Attendees will learn:

- How to maximize the output of a below average crew size.
- How to fine tune in a way that will elevate your field status.
- How to balance your maintenance schedule around a full year of activities while still meeting expectations.

STMA 303 – Understanding Pitching and Mound Maintenance at the College and Professional Level

Fri., Jan. 13, 8 - 9 a.m.
Speaker: Larry DiVito, Minnesota Twins, Target Field

STMA CONFERENCE AND EXHIBITION SPONSORS

STMA and SAFE greatly appreciate the support and commitment of our conference sponsors. Please take a moment and thank these companies in the Exhibition!



PROFESSIONAL DEVELOPMENT

Networking Sessions

Wed., Jan. 11, 4:30 - 5:30 p.m.

Network with professionals from facilities similar to your own! The forum is split by the different segments of our membership. Attend the one specific to your employment situation: Schools K-12, Higher Education, Academics, Students, Parks and Recreation, and Facilities used by Professional Athletes.

STMA 201 – Keynote Presentation: Lead with Purpose

Thurs., Jan. 12, 9-10 a.m.

Speaker: Eric Boles

STMA 202, 203, and 204 – These sessions can be found in the Student Activities sidebar.

STMA 215 – Internships: Attracting Great Interns and Landing the Internship of Your Dreams

Thurs., Jan. 12, 1:30 - 2:30 p.m.

Speaker: Dr. Douglas Linde, Delaware Valley College

STMA 315 – Managing the Problem Employee

Fri., Jan. 13, 2:45 - 3:30 p.m.

Speaker: Lisa Goatley, MS, LPC, New River Valley Community Services
Sports turf professionals have the difficult task of not only managing their fields, but of managing their employees as well. Most managers will face the unpleasant task of having to manage a problem employee at some point in their career. Strategies for managing problem employees will be presented with the goal of employee retention and improved morale. The decision about when termination is appropriate will also be addressed, along with suggestions to potentially avoid litigation or facilitate a successful outcome to litigation. After attending this session, the partici-

pant will be able to:

- Identify three types of problem employees and strategies to effectively respond to each type.
- Identify and implement ten ways to help problem employees to successfully change their behavior and performance in the workplace.
- Identify insubordinate behavior in employees and effectively respond to this type of behavior.

STMA 321 – The Certification Process and Why You Should Become Certified

Fri., Jan. 13, 3:45 - 4:30 p.m.

Speakers: Mike Andresen, CSFM, Iowa State University
Tim VanLoo, CSFM, Iowa State University

STMA 322 – Women's Forum

Fri., Jan. 13, 3:45 - 4:30 p.m.

Speaker: Lynda Wightman, Hunter Industries

STMA 324 – Conference Wrap-Up: Hitting the Highlights of the 2012 Conference

Fri., Jan. 13, 4:30 - 5:00 p.m.

Speakers: Pamela Sherratt, Ohio State University
Dr. Michael Goatley, Virginia Tech
Wrap up your conference education experience with this interactive opportunity for learning. This session will provide a friendly atmosphere where you can network with conference attendees, speakers, and the 2011 and 2012 STMA Board of Directors. Connect with various industry professionals to solve problems and reflect on what you learned during the conference.

PEST CONTROL

STMA 210 & 320 – Reducing Annual Bluegrass (*Poa annua*) Populations in Cool Season Athletic Field Turf

Thurs., Jan. 12, 10:30 - 11:45 a.m.

Repeated - Fri., Jan. 13, 2:45 - 3:30 p.m.

Speakers: Dr. Bruce Branham, University of Illinois

Matt Giese, Syngenta

Annual bluegrass (*Poa annua*) is a problematic weed to control in cool season turf athletic fields due to its ability to tolerate low mowing heights, germinate rapidly, and elevated susceptibility to diseases, drought, and wear. This presentation will focus on annual bluegrass lifecycle and why it behaves as a perennial under turf culture, pre-emergence and post-emergence methods of control, soil seed bank supply, and cultural and mechanical control options. This presentation will provide attendees:

- A basic understanding of annual bluegrass biology and its adaptations/limitations.
- A review of management factors that favor/discourage annual bluegrass.
- A summary of control options and effectiveness along with current research regarding annual bluegrass control.

STMA 214 – Renovation Tip: Using Herbicides to Prevent Weeds During Seeding of Cool Season Turfgrasses

Thurs., Jan. 12, 1:30 - 2:30 p.m.

Speaker: Dr. Roch Gaussoin, University of Nebraska

STMA 217 – Pesticides: Perception Versus Reality

Thurs., Jan. 12, 1:30 - 2:30 p.m.

Speaker: Dr. Joseph Vargas, Jr., Michigan State University

STMA 222 – Insect Control Update for 2012: an ever changing effort!

Thurs., Jan. 12, 2:45 - 3:30 p.m.

Speaker: Dr. David Shetlar, Ohio State University

STMA 308 – The Principles of Turfgrass Disease Diagnostics, Control Options, Modes of Action, and Fungicide Resistance

Fri., Jan. 13, 8 - 10 a.m.

Speakers: Dr. Joseph Vargas, Jr., Michigan State University
Dr. Karl Danneberger, Ohio State University

STMA 318 – Helpful or Harmful? Stinging Insects...Oh! My! What you didn't learn in turf school!

Fri., Jan. 13, 2:45 - 3:30 p.m.

Speaker: Dr. David Shetlar, Ohio State University Facility Management

STMA 211 – Selecting Sand-Dominated Rootzones for Sports Fields

Thurs., Jan. 12, 10:30 - 11:45 a.m.

Speaker: Dr. Andrew McNitt, Penn State University

This presentation will go over the advantages and disadvantages to maintaining a sand-based rootzone. Focus will be on sand, soil, and organic matter selection, quality control during construction, and proper maintenance techniques long term. Attendees will learn:

- What a sand based rootzone does and does not provide the end user.
- How to identify a quality sand and understand the reason for organic matter additions.
- The quality control process of building a sand-based rootzone from pre bid rootzone approval through production and installation.

STMA 213 – Four-Inch Sand Cap Renovation and Grow-in

Thurs., Jan. 12, 1:30 - 2:30 p.m.

Speaker: John Netwal, CGCS, North Scott Community Schools

STMA 219 – If You Build it They Will Come, But How Do You Maintain It?

Thurs., Jan. 12, 2:45 - 3:30 p.m.

Speaker: Mike Trigg, CSFM, Waukegan Park District

STMA 220 – Acquisition and Fleet Management

Thurs., Jan. 12, 2:45 - 3:30 p.m.

Speaker: Michael Nesdahl, The Toro Company

STMA 225 – Disaster Management and Crisis Communication

Thurs., Jan. 12, 2:45 - 4:15 p.m.

Speakers: Steve Wightman, Qualcomm Stadium

Grant Davisson, Minnesota Vikings Football Amy Fouty, CSFM, Michigan State University Intercollegiate Athletics

There are times when all field managers are faced with events that don't always go as planned. Disasters, such as storms, equipment failure, and poor decisions, force the field manager to devise methods of recovery that still allow the game to be played. This presentation will take a look at various real life sport field disasters and the steps that were taken to mitigate

CEUS

Many organizations recognize the caliber of STMA education and are awarding CEUs! STMA, GCSAA, NRPA, NIAAA, ASBA, and PLANET are awarding CEUs for the entire conference. Irrigation Association (IA) awards for these sessions: Wednesday - STMA 102; 104; 107; Thursday - STMA 205; 206; Friday - STMA 304; 310

American Society for Landscape Architects (ASLA) awards for these sessions: Wednesday - STMA 100; 101; 102; 103; 104; 105; 106; 107; Thursday - STMA 200; 205; 206; 207; 208; 209; 210; 211; 212; 213; 214; 225; Friday - STMA 303; 304; 305; 306; 307; 308

California Pesticide Recertification Credits can be earned for these sessions: Wednesday - STMA 103; 104; Thursday - STMA 210; 214; 217; 222; Friday - STMA 307; 308; 318; 320

and recover from the disaster. Communication with various stakeholders during the disaster will also be a central point in the discussion.

Attendees will learn:

- The process of critical thinking that goes into dealing with disasters.
- Emergency actions that require "thinking outside the box."
- The importance of positive communication skills in dealing with all of the disaster stakeholders.

STMA 229 – The Importance of Safety and Potential Liabilities for the Sports Turf Manager

Thurs., Jan. 12, 3:30 - 4:15 p.m.

Speaker: David Schlotthauer, Brigham Young University

STMA 311 – Economic and Environmental Considerations in Today's Sports Turf Management

Fri., Jan. 13, 9:15 - 10 a.m.

Speaker: Mark Lucas, University of California - Davis

STMA 313 – Using the Growth Regulator Trinexapac-ethyl on Bermudagrass Sports Fields

Fri., Jan. 13, 9:15 - 10 a.m.

Speaker: Leif Dickinson, Del Mar Thoroughbred Club

STMA 316 – How to Create a Zero Based Operating Budget

Fri., Jan. 13, 2:45 - 3:30 p.m.

Speaker: Don Savard, CSFM, CGM, Salesianum School

INDUSTRY DEVELOPMENTS

STMA 216 – New Trends and Technology in Sports Turf

Thurs., Jan. 12, 1:30 - 2:30 p.m.

Speakers: Representatives from STMA Commercial Companies

Ten of STMA's commercial companies have been selected at random to give a five-minute presentation to introduce and explain the benefits of a new or improved

product or service being offered. Participating companies include: DLF International Seeds, Innovative Base Technologies, Grigg Brothers, Stadium Grow Lighting, Carolina Green Corp., Redexim, Lebanon Turf, Hunter, ReadyPlay, and TXI Diamond Pro. This presentation will focus on the newest trends and technology currently available to sports turf managers.

STMA 218 & 312 – Basic Principles of Sports Injuries

Thurs., Jan. 12, 1:30 - 2:30 p.m.

Repeated - Fri., Jan. 13, 9:15 - 10 a.m.

Speaker: Dr. Tim Hewett, Ohio State University

STMA 230 & 314 – Trade Show Demonstration – Top 10+ Monitoring Tools for Turf

Thurs., Jan. 12, 5:30 - 6:30 p.m.

Repeated - Fri., Jan., 13, 11:30 a.m. - 12:30 p.m.

Speaker: Dr. Larry Stowell, PACE Turf, LLC Effective turf monitoring programs and accurate diagnostic procedures are essential for maintenance of high quality turf while ensuring environmental safety, staying within budget, and reducing inputs. This presentation will describe and demonstrate how to use tools that can help to prevent problems before they occur, as well as to diagnose problems after they appear. Tools discussed will range from simple, yet highly effective devices such as shoeboxes that can be used for easy irrigation audits, to sophisticated items, such as time domain reflectometry meters that can quantify soil moisture levels.

STMA 300 – Remote Sensing Technology and Its Role in Sports Field Management

Fri., Jan. 13, 7 - 7:15 a.m.

Speaker: Dr. Jason Kruse, University of Florida

STMA 302 – The Use of Additional Light to Improve the Playing Quality in Stadiums

Fri., Jan. 13, 7:30 - 7:45 a.m.

Speaker: Gerard van't Klooster, SGL