Leverage the Industry’s Transformation

31st Conference & Exhibition
Jan. 13-16, 2020
West Palm Beach, Florida
Join STMA as a New Member
Get a FREE Conference Registration!

If you are not an STMA national member and haven’t been since 2000, you are eligible to receive a FREE conference registration. Go to STMA.org and register online in the New First Time Member category. After you have paid for your new membership, go back to the shopping page and click on the Full Conference Registration. The Free Conference Registration will appear as one of the options. Membership and conference registration must be paid and completed online to receive this benefit. Already a member? Receive a $100 credit for each new member you recruit! Recruit 4 members and you have more than paid for your conference registration!

Schedule at a Glance

Sun., Jan. 12
1 - 6 pm Volunteer Field Rebuild
6:30 - 9 pm Registration Open

Mon., Jan. 13
6:30 - 8 am Continental Breakfast
6:30 am - 5 pm Registration Open
7 am - 5:15 pm Seminar on Wheels
7 am - 5 pm SAFE Golf Fundraiser
1:15 - 5 pm Offsite Education & Demos
6 - 9 pm SAFE Bowling Fundraiser

Tues., Jan. 14
6:30 - 8 am Continental Breakfast
7 am - 5 pm Registration Open
8 - 9:30 am General Session
9:45 am - 12 pm Concurrent Education
12 - 2 pm Break - Lunch on own
12 - 2 pm Women’s Forum
2 - 5 pm Concurrent Education
5 - 6 pm Chapter Leadership Training
6 - 7 pm First Timers/International Attendees/CSFM Reception
7 - 7:30 pm SAFE Live Auction
7:30 - 10 pm Welcome Reception

Wed., Jan. 15
6:30 - 8 am Continental Breakfast
7 am - 5 pm Registration Open
8 - 10:45 am Concurrent Education
11 am - 1:15 pm Keynote, Annual Meeting and Lunch
1:30 - 6 pm SAFE Silent Auction
1:30 - 6:30 pm Exhibition Open with Reception
2 - 4:30 pm Student Challenge

Thurs., Jan. 16
6:30 - 8 am Continental Breakfast
7 - 11 am Registration Open
8 - 10 am Concurrent Education
10 am - 12:30 pm SAFE Silent Auction
10 am - 1 pm Exhibition Open with Lunch
1:15 - 5:15 pm Seminar on Wheels
1:30 - 3 pm Concurrent Education
4:30 - 6 pm Professional Headshots NEW!
6:30 - 10 pm Awards Reception & Banquet

Fri., Jan. 17
8 am - 1 pm ASBA Certification Exam

Registration Hours

Sun., Jan. 12 ................................. 6:30 - 9 pm
Mon., Jan. 13 ................................. 6:30 am - 5 pm
Tues., Jan. 14 ................................. 7 am - 5 pm
Wed., Jan. 15 ................................. 7 am - 5 pm
Thurs., Jan. 16 .............................. 7 - 11 am

Trade Show Hours

Wed., Jan. 15 ................................. 1:30 - 6:30 pm
Thurs., Jan. 16 .............................. 10 am - 1 pm
Airports
There are two major airports that serve West Palm Beach. Palm Beach International Airport is three miles from the Convention Center and Fort Lauderdale/Hollywood International is 35 miles from the Center.

Antitrust
STMA supports competition and adheres to a policy of strict conformity to the spirit and letter of the antitrust laws. Pricing, sales terms, wages and any other competitive information should never be discussed at STMA’s meetings.

Attire
Business casual (slacks and a collared shirt for men and comparable apparel for women) is the preferred conference attire. Coat and tie are requested for the Awards Banquet on Thursday. **Cutoffs, jeans, t-shirts and ball caps are discouraged.**

Banned Activities - Suitcasing & Outboarding
Suitcasing is when an attendee solicits business in the trade show aisles or other public spaces such as a hospitality suite or a restaurant. Also called outboarded events, these types of activities are detrimental to the exhibition. These are unethical business practices and will not be tolerated. To distribute information or conduct business you must be an exhibitor. STMA has the right to remove anyone who violates this policy.

CEUs/Pesticide Recertification
See details on page 11.

Conference Recordings - Free
All full conference registrants receive free access to the education session recordings. Look for an email post-conference with the link and password. **Sponsored by STEC Equipment**

Convention Center
All education sessions and the exposition take place at the:
Palm Beach County Convention Center
650 Okeechobee Blvd.
West Palm Beach, FL 33401

Fees
See page 13 for a comprehensive breakdown of costs.

Harassment Policy
STMA prohibits harassment of any kind, including sexual harassment and will take appropriate and immediate action in response to complaints or knowledge of violations of this policy. STMA’s policy states that harassment is any verbal or physical conduct designed to threaten, intimidate or coerce a person.

Hotels - Co-Hosts
Rates are honored until Dec. 20 unless the room block sells out earlier. Rooms sell out quickly so book early!

**West Palm Beach Marriott**
1001 Okeechobee Blvd.
West Palm Beach, FL 33401
Phone: (561) 833-1234
$195 per night

**Hilton West Palm Beach**
600 Okeechobee Blvd.
West Palm Beach, FL 33401
Ph. (561) 231-6000
$199 per night

Photography/Videography Permission
A professional photographer and a videographer will be documenting the conference events. By registering for the conference, you give permission for STMA to use all photos and videos with your likeness.

Professional Headshots
Thurs., Jan. 16, 4:30 – 6 pm. A professional photographer will be taking headshots for you to use in a resumé, facility newsletters and other media. STMA will send them to you post-conference. Wear professional attire for the best presentation. First come, first served.

Social Media
Follow us at @FieldExperts on Twitter, Instagram and Facebook. Use #STMA2020 in all your tweets or posts about the conference.

Weather
In January the average high is 75 degrees and average low is 57 degrees.
Conference Highlights

Sun., Jan. 12, 1 - 6 pm
Volunteer Field Rebuild

STMA and Project Evergreen are teaming up again to renovate a field in need in Palm Beach County. All members are invited to participate. Transportation, products and materials will be provided. Please wear closed-toe shoes. The 2019 field rebuild of Lindo Park in Phoenix drew more than 100 participants!

Lindo Park in Phoenix

General Session - Tues., Jan. 14, 8 - 9:30 am
Opening General Session – ‘Talkin’ Natural Grass’ Talk Show

Structured like a late night talk show, our host will interview experts from across the nation. Hosted by Jeffrey Fowler – Penn State Extension; Sponsored by Turface Athletics and Carolina Green Corp.

Jeffrey Fowler

Tues., Jan. 14, 12 - 2 pm
Lynda Wightman Women’s Forum

Honoring Founder Lynda Wightman for her support of this program for 13 years as she retires in 2020. All women at the conference are invited to attend this facilitated education session during lunch. You must RSVP on the registration form to reserve your spot. Sponsored by Hunter Industries

Tues., Jan. 14, 5 - 6 pm
Chapter Leadership Training

All chapter board members are invited to attend this fast-paced learning session with tips on how to make your chapter more successful and enjoy a short reception. Sponsored by Hunter Industries

Tues., Jan. 14, 6 - 7 pm
First-Timers/International Attendees/CSFM Reception

We invite all who are new to the STMA Conference, our attendees from outside the U.S. and all Certified Sports Field Managers to join us at a special reception. Appropriate ribbon on name badge required for entry.
Tues., Jan. 14, 7:30 - 10 pm  
Welcome Reception
Reconnect with old friends and make new ones at this must-attend event. Enjoy heavy hors d’oeuvres and beverages. **Sponsored by The Toro Company and Covermaster**

Wed., Jan. 15, 11 am - 1:15 pm  
(Includes Annual Meeting and Lunch)
**Keynote: Rodney Smith, Jr., Founder of Raising Men Lawn Care Service & 50-Yard Challenge**

In 2015, Rodney observed an elderly man struggling to cut his yard in Huntsville, AL and was inspired to begin cutting lawns for people who needed help. From this beginning, he founded Raising Men Lawn Care Service with the goal of helping people and enlisting girls and boys whose parents want them to learn about volunteerism. RMLCS provides free lawn care to elders, those who are disabled, single mothers and veterans who do not have the time, resources and/or money to take care of their yards. **Sponsored by World Class Athletic Surfaces**

Wed., Jan. 15, 1:30 - 6:30 pm  
Thurs., Jan. 16, 10 am - 1 pm
**Exhibition Open with Receptions/Lunch**
See the latest products, equipment and technology for the sports field management industry.

Thurs., Jan. 16, 6:30 - 10 pm  
**Awards Reception and Banquet**
Enjoy excellent food and beverages while honoring STMA’s award winners. Coat and tie and comparable attire for women is requested. **Awards Program Sponsored by: Carolina Green Corp, Precision Laboratories and World Class Athletic Surfaces**

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**SAFE Events - Donate & Participate!**
All SAFE events raise funds for scholarships, grants, research and educational outreach. SAFE is STMA’s charity. Donate an item for our live or silent auctions or for the large item raffle.

Mon., Jan. 13, 7 am - 5 pm  
(Lunch and transportation provided. Additional fee required)
**Golf Tournament at North Palm Beach Country Club**
Enjoy this semi-private, 18-hole, Jack Nicklaus designed course. The entire course was just completely renovated. **Title Co-Sponsored by: Diamond Pro and Tri-Tex Grass. Drinks Sponsored by: Carolina Green Corp.**

Mon., Jan. 13, 6 - 9 pm  
(Dinner and transportation provided. Additional fee required)
**Bowling Event at Verdes Tropicana Bowl**
Join your chapter members or other friends and bowl as teams or as an individual. Win prizes and take part in the crazy-fun bowling contests!

Tues., Jan. 14, 7 - 7:30 pm  
**Live Auction**
Bid on top-of-the-line equipment, technology and coveted items at bargain prices!

Wed., Jan. 15, 1:30 - 6 pm  
Thurs., Jan. 16, 10 am - 12:30 pm
**Silent Auction**
Held on the trade show floor, this auction features new items daily. Take home great merchandise, memorabilia and products! **Sponsored by Pioneer Athletics**

Thurs., Jan. 16, 7 pm  
**Large Item Raffle**
Purchase tickets throughout the conference to be entered to win a SONOS Beam TV Sound Bar, Ring Doorbell, Fire TV Stick with Alexa voice remote and more!
Students are welcome and encouraged to attend all conference events including the student-only activities.

**Wed., Jan. 15, 2 - 4:30 pm**  
**Student Challenge - Take home $5,000!**
Participants receive FREE Conference registration. Only teams of undergraduates in two- or four-year institutions are eligible to compete in teams of up to four people. Graduate students are not eligible. Pre-registration online is required at STMA.org. The two-year team and the four-year team with the highest scores will be awarded $5,000 each for their schools. *Sponsored by Ewing Irrigation and Hunter Industries*

**Thurs., Jan. 16, 12 - 1 pm**  
**Student Luncheon**
Network with CSFMs and other industry professionals and enjoy lunch. The winners of the Student Challenge will be announced immediately following the lunch.

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**Certification Testing**

**CSFM Testing**
Set an exam time to meet your schedule. The exam is given online during the conference for those who qualify to take the exam and pre-register. To find out if you qualify, call STMA at 800-323-3875 or go to STMA.org, CSFM program. Exam takers who do not pass all four sections of the exam initially may be able to retest on those sections later in the week depending on availability. Pre-qualification and pre-registration are required by Dec. 1.

**Fri., Jan. 17, 8 am - 1 pm**  
**ASBA Certification Testing**
The American Sports Builders Association (ASBA) offers certification for field builders and will be conducting exams at the conference. Pre-qualification and registration are required by Dec. 15. Go to sportsbuilders.org or call 866-501-2722. Those testing for CFB, CFB-N or CFB-S must register for the STMA conference, purchasing a one-day package at a minimum.
Conference Learning Sessions

Mon., Jan. 13

1:15 - 5 pm

Educational Demonstrations at FITTEAM Ballpark of the Palm Beaches
Get offsite and outside with educational demonstrations at Ballpark of the Palm Beaches. Pre-conference education will offer attendees the opportunity to experience various sports field management practices in action. Attendees will rotate through stations where they can interact with their peers and learn how to improve field operations.

Tues., Jan. 14

8 - 9:30 am

Opening General Session - ‘Talkin’ Natural Grass’ Talk Show
Hosted by Jeffrey Fowler - Penn State Extension
Kick off the STMA Conference with an interactive discussion where our host will interview experts from across the nation. Structured like a late-night talk show, pertinent issues such as herbicide bans, pesticide legislation and new technology will be discussed.

9:45 - 10:45 am

Overcoming Challenges in Your Career
Speaker: Abby McNeal, CSFM, CPRP - Denver Parks and Recreation
This presentation will discuss ways to tackle the challenges sports field managers face throughout their career as they become the expert at their field/facility. Discussion will include inequities that are experienced at all levels of the industry and ways to manage these with the least impact to your career path.

Growing Bermuda in the North
Speaker: Kevin Mercer, CSFM, CGM, LICM - Denison University
Barclay Thompsen varsity soccer field at Denison University was renovated in 2017 and became the first collegiate bermudagrass field in Ohio. Come listen to the challenges and successes from our 2017 grow in and how we manage the seasonal inputs for the warm season grass in the colder parts of the US.

Topdressing Sports Fields: What’s Right for Your Facility?
Speaker: James Murphy, Ph.D. - Rutgers University
This presentation will assist in determining whether topdressing is economically feasible and how to approach the logistical and agronomic issues needed to design a sound program. Delivery, storage and application of large volumes of topdressing material, understanding the agronomic reasoning behind material selection, and the timing, frequency and material-quantities applied will be discussed.

Being Positive About Increased Field Usage
Speaker: Zack Holm, CSFM - New York Red Bulls
In today’s world our fields continue to see more usage with little to no input from the turfgrass manager. This session will help attendees understand how to have difficult conversations about field usage, be better prepared for event/extra usage planning and generate ideas for low impact events that can help them and their organization.

Athletic Field Soils and How to Manage Them
Speaker: Barry Stewart Ph.D. - Mississippi State University
Soil properties are not always well understood by many athletic field managers. Soil properties directly determine grass properties and playing surface properties that affect player performance and player safety. This presentation will present a review of basic aspects of soils. Soil physical, chemical and health properties will be highlighted.

Back to Basics: Troubleshooting Your Irrigation System’s Electronics and Hydraulics
Speaker: Brad Jakubowski - Penn State University
Attendees will interactively learn the fundamentals of troubleshooting an irrigation system. Attendees will use multimeters to identify electrical problems with controllers, solenoids, common wires, and valve control wires. Attendees will also learn step by step methods to troubleshooting hydraulic problems in irrigation lines, valves and sprinklers.

11 am - 12 pm

So, What is the Deal with Calcium?
Speaker: Nick Christians, Ph.D. - Iowa State University
The session will include some basics of soil science as it relates to calcium and its use on turfgrass. It will also include a discussion of recent research on the topic.

Integrating Assessments into a Municipal or School Grounds Management Program
Speaker: Victoria Wallace - University of Connecticut
Changes in environmental legislation have caused grounds managers in CT to rethink how they manage facilities. This presentation will discuss how the need for assessments of municipal and school grounds and landscapes have evolved in CT, integration of assessments into an IPM plan, and how their use can support management protocol and school grounds purchasing decisions.

Lessons Learned in 35 Years in Turf
Speaker: Dale Getz, CSFM, Ret.
This presentation will follow the career of Dale Getz and the important agronomic and life lessons learned during 35 years in the turfgrass industry. The objective of the presentation is to show the various paths a career can take and to use lessons learned in the most productive way.

Recent Traffic Stress Tolerance Research at Rutgers University
Speaker: Brad Park - Rutgers University
The Rutgers Center for Turfgrass Science continues to assess the wear and traffic tolerance of existing tall fescue and Kentucky bluegrass cultivars and new experimental selections. The presenter will describe research results generated from wear and traffic stress trials and the practical implications of this research relative to the challenges faced by sports field managers.
**Dotmocracy**  
*Moderated by Jeremy Tredway*  
This session will brainstorm a variety of topics from industry problems to hot topics. Each topic will be taped to the wall and attendees will vote on the topics they wish to discuss during the session by putting a colored dot sticker on that topic. The highest rated topics will be addressed.

**More Pop per Drop: Smart Irrigation**  
*Speaker: Bryan Hopkins, Ph.D. - Brigham Young University*  
How do we get more of a “pop” of green per drop of water? Water shortages are increasing in frequency and severity. Water and root zone oxygen management innovations will be discussed using case studies and hands-on demos.

**Beginners Guide to Bluemuda**  
*Speaker: Megan VanArsdale - Boyle County Schools*  
This presentation will explain the concept of bluemuda and its benefits. Attendees will learn about the conversion of an existing bermudagrass field to bluemuda and its maintenance.

**Breaking the Barrier: Communicating with Coaches and Administration**  
*Speakers: John Corbin and Marc Moran, CSFM - Atlee High School*  
This presentation will focus on communication with coaches as well as administration to develop a working plan that facilitates reduction of wear in high wear areas, improved player and team performance and a stronger connection with the coach and the sports field manager. This will be explained from a sports field managers perspective as well as that of a coach.

**John Mascaro’s Photo Quiz Comes Alive**  
*Speaker: John Mascaro - Turf-Tec International*  
John Mascaro’s Photo Quiz article has appeared monthly in SportsTurf Magazine since 2006. The live version of the Photo Quiz is an interactive presentation with questions on what caused a turfgrass problem and answers that tell what the problem was and how it was solved. The Photo Quiz is a favorite feature in the magazine, and the live version focuses on “the rest of the story”.

**Professional Baseball Field Renovation**  
*Speaker: Wes Ganobcik - Columbus Clippers*  
This presentation will describe the design and construction process of a professional baseball field renovation from the perspective of the groundskeeper. It will describe areas of focus during the design and construction stages of a renovation project, the most important details of this specific renovation, as well as how to justify costs as defined by a cost/benefit analysis of different aspects of the project.

**Utilizing a Diagnostic Service to Dial in Sports Turf Disease Management Programs**  
*Speaker: Philip Harmon, Ph.D. - University of Florida*  
We will review turfgrass disease problems and the resources that managers have to diagnose problems. We will review tips to getting the most out of a diagnostic sample and how to interpret the results. We will also review some of the most common warm season turfgrass diseases and management strategies, including fungicide options.

**Synthetic Turf Maintenance: Sports Turf Managers Needed**  
*Speakers: Brian Hill - Brigham Young University - Grounds Department; Michael Wear - Perfect Pitch Turf Solutions*  
An in depth look at the daily, weekly, monthly and annual maintenance required to properly maintain synthetic turf fields. Including a discussion of the tools, methods and reasons behind the maintenance procedures.

3:30 - 5 pm  
**So You’re Thinking About a Career Move…**  
*(Repeated Thurs., Jan. 16, 1:30 - 3 pm)*  
*Speakers: Marcus Dean, CSFM - Advanced Turf Solutions; Jeff Salmond, CSFM - United Turf and Track; Brian Winka, CSFM - Advanced Turf Solutions*  
Three CSFMs give a presentation based off their experiences of working in various STMA membership categories, then transitioning to the commercial side of the industry. The presentation is designed to answer questions for those who may be thinking about a career move but are not sure what they can expect.

**Work/Life Balance**  
*Speakers: Lisa Goatley, M.S., L.P.C. - The Cascade Group; Mike Goatley, Jr., Ph.D. - Virginia Tech*  
Careers in the sports field industry present challenges in maintaining an appropriate balance between work and family life. Jobs are prone to long, unpredictable hours under stressful mental and physical conditions which can cause family relationships to suffer. This presentation will detail skills and strategies that one can implement to achieve healthy relationships both at home and with work.

**Improved Cool-Season Grasses Perform Well and Require Fewer Inputs**  
*Speakers: Cale Bigelow, Ph.D. - Purdue Turf Science Program; Gregg Munshaw, Ph.D. - University of Kentucky*  
This presentation will highlight new cool-season turfgrasses that have been bred specifically for aesthetics and reduced inputs and will focus on how to select and choose these improved cultivars to use less fertilizer, chemicals, and water.

**Does Your Athletic Field Pass the Test? Field Testing Overview**  
*Speakers: Kyley Dickson, Ph.D. and John Sorochan, Ph.D. - University of Tennessee*  
The presentation will cover the importance of testing natural and synthetic athletic fields and what data these different tests provide. Attendees will also learn how to use this information to improve athletic field performance, playability, and safety as well as effective ways to communicate the information collected to administrators, coaches, athletes, parents, city council members, etc.
Turfgrasses Do Not Eat Cookies!
Speaker: Haibo Liu, Ph.D. - Clemson University
This seminar will provide thorough reviews of turfgrass soil fertility, nutrition, environmental soil chemical concepts, updates of new trends, and challenges for sports field managers. The audience will gain hands-on experience to deal with challenging soil and chemical subjects with improvements for future management practices.

Wed., Jan. 15

8 - 9:15 am
Research and Real-World Review of Natural & Synthetic Hybrid Turf Systems
Speaker: Pamela Sherratt - The Ohio State University
Hybrid turf systems comprised of natural and synthetic turf, combined to give the end user a stable and high quality playing surface. This presentation will include a summary of research findings to date and look at how these systems are installed and maintained.

9:30 - 10:45 am
Fertility Fact, Myth and Legend - Sports Turf Edition
Speaker: Beth Guertal, Ph.D. - Auburn University
We’ve all heard them: ‘apply potassium for traffic stress’, ‘no late season N - it causes winterkill’, and, ‘adding gypsum alleviates traffic stress’. But is any of this true, or is it as mythical as unicorns? Come join in for a discussion of the facts, myths and legends that surround fertilization and soil management, and see which are supported by research.

Mentoring/Training the Next Generation of Sports Turf Managers
Speakers: Nina Carter and Tomas Silvani - Buffalo Agency
Sports field managers need to be able to communicate their story in a compelling, authentic tone and engage with the media to promote the industry’s vital work. Come learn tips, tricks and techniques on how to efficiently become a "story seller" and be considered a thought leader in your community. With the proper tools and training, you’ll communicate your ideas coherently and effectively to any audience.

Chemical (Glyphosate, Fertilizer, etc.) Exposure: Health Concern?
Speaker: Bryan Hopkins, Ph.D. - Brigham Young University
Recent legal actions have resulted in alarming concerns regarding chemical use. Pesticides and fertilizers (most notably glyphosate or Roundup®) are being scrutinized by the public, insurance companies, etc. What are the real facts? What precautions are needed? What resources are available to help alleviate founded and unfounded concerns?

Do I Pull the Tarp? Having the Tools and a Plan for Making Game-Time Weather Decisions
Speakers: Brad Jakubowski - Penn State University; Matt Neri - State College Spikes Baseball
Having reliable weather-based knowledge and developing lines of communication needed to make the most dependable game-time decisions possible is critical. The seminar will focus on what weather information is most effective for making game-time decisions and how to develop well-implemented plans and effective lines of communication to minimize unplayable field conditions.

Improving High School Sports Fields: Educating & Connecting with Coaches
Speakers: Brandon Hardin and Michael Richard - Mississippi State University
Our newest Extension program: Sports Turf Management Coaches’ Clinic was established to educate high school coaches on field maintenance practices that provide safe playing surfaces for student athletes. We will also discuss how a consultant/company can build a relationship with a school to provide key services, all while growing their business.

Avoiding Pitfalls with Synthetic Turf Specifications and Project Management
Speakers: Dave Anderson PE - DA Hogan & Associates Inc.; Andrew McNitt, Ph.D. - Penn State University
Installing a new synthetic turf field? This presentation will discuss important aspects of the technical specifications and the project management approach that will help avoid pitfalls that can occur with the procurement and construction of synthetic turf field projects.

Cost of Ownership, From Turf to Dirt (Repeated Thurs., Jan. 16, 1:30 - 3 pm)
Speaker: Luke Yoder - DuraEdge Products, Inc.
There are many options when deciding what playing surface makes the most sense for your facility. We will discuss how to avoid buyer’s remorse while preparing to implement best practices moving forward for the long haul. We
will discuss all aspects that help determine what the best long-term solution is for your field or complex.

11 am - 12 pm

Keynote Presentation - RMLCS Giving Back to The Community
Speaker: Rodney Smith, Jr. - Raising Men Lawn Care Service
This presentation is about Raising Men Lawn Care Service and how one simple act of kindness started it all. Using lawn care, youth are inspired to get out and make a difference in their community one lawn at a time through our 50-yard challenge.

Thurs., Jan. 16

8 - 10 am

Informed Decision-Making Leads to Successful Sports Field Management
Speakers: Mike Goatley, Jr., Ph.D. - Virginia Tech; Jeffrey Krans, Ph.D. - Mississippi State University; Jim Puhalla - Retired
The authors of “Sports Fields: Design, Construction, and Maintenance” apply over 100 years of their combined experiences in field designs, consultation, and university teaching/research in presentations emphasizing the points they feel are most critical to the success of a sports field and a sports field manager.

Bermudagrass: All the Latest on Cultivar Performance and Management
Speakers: Cale Bigelow, Ph.D. - Purdue Turf Science Program; Gregg Munshaw, Ph.D. - University of Kentucky; Barry Stewart, Ph.D. - Mississippi State University
Attend this seminar to discover how to make the most informed decisions and maximize operational resources related to bermudagrass management. Although bermudagrass has many strengths, it can also come with major limitations. Explore and learn the effects of various management inputs like nutritional programs, mowing, cultivation, and plant growth regulators.

Work Life Balance: How to Spend Less Time at Work
Speakers: Wes Ganobcik - Columbus Clippers; Corbin Merriman - Columbus Clippers; Christo Wallace - Cincinnati Reds
Turfgrass Management is a career path in which certain months require you to live at your facility more than your own home. Several approaches will be discussed which should help improve people’s work/life balance, reduce the amount of time they spend at work, and create an overall more pleasant work environment. This will include staffing, scheduling, and field maintenance techniques.

Baseball Construction - The Science Behind the Builders
Speakers: Steve Bush, CFB, CSFM - Bush Sports Turf; Eric Holland, CSFM - Precision Turf, LLC; Nolan Thomas, CSFM - Nolan Thomas and Company, Inc.
The presentation will discuss the science and technology used in the design and construction of baseball fields. It will highlight recent projects and processes, how technology has changed building and maintaining baseball fields, and how to maximize your time with planning and efficiency.

1:30 - 3 pm

Welcome to Our World
Speaker: Nicole Sherry - Baltimore Orioles
In this Q & A/Roundtable discussion, Nicole will provide insight on her past experiences as a major and minor league head groundskeeper. The presentation will cover how she got started in professional baseball groundskeeping, the toughest and most rewarding situations she has encountered, as well as key pieces of advice she has for those entering or trying to move up in the profession.

So You’re Thinking About a Career Move…
(Repeated from Tues., Jan. 14, 3:30 - 5 pm)
Speakers: Marcus Dean, CSFM - Advanced Turf Solutions; Jeff Salmond, CSFM - United Turf and Track; Brian Winka, CSFM - Advanced Turf Solutions
Three CSFMs give a presentation based off their experiences of working in various STMA membership categories that have transitioned to the commercial side of the industry. The presentation is designed to answer questions for those who may be thinking about a career move but are not sure what they can expect.

Cost of Ownership, From Turf to Dirt
(Repeated from Wed., Jan. 15, 9:30 - 10:45 am)
Speaker: Luke Yoder - DuraEdge Products, Inc.
There are many options when deciding what playing surface makes the most sense for your facility. We will discuss how to avoid buyer’s remorse while preparing to implement best practices moving forward for the long haul. We will discuss all aspects that help determine what the best long-term solution is for your field or complex.
Mon., Jan. 13, 7 am - 5:15 pm

Preregistration and Additional Fee Required

See **Hard Rock Stadium in Miami Gardens**, one of the most unique stadiums in the U.S. Home of the Miami Dolphins, University of Miami and the Orange Bowl, it will be the site of Super Bowl LIV, just 20 days after the tour! The 65,326-seat stadium underwent a privately funded $350 million renovation in 2015. You will see the Superbowl field preparation, unique behind-the-scenes areas, and hear Sports Turf Manager Tom Wilson speak about the many different and diverse events it hosts. You will also hear from the NFL Superbowl event team about the field preparation and challenges. Next, you will tour **FAU Stadium in Boca Raton**, home of the Florida Atlantic University football team, and visit its new practice football fields at the Schmidt Family Complex. The tour includes the recently renovated FAU softball field, with Latitude 36 Bermuda Grass and Dura Edge skinned area. The final stop is the **Palm Beach Gardens North County District Park**, which opened on June 29, 2019. It spans 81.9 acres including 21 acres of Latitude Bermudagrass grown in by the county’s Parks and Grounds Division. Featuring seven lighted multi-purpose fields, two playgrounds, walking trails, green space, a maintenance building, and a splash pad, this $13.7 million-dollar project was paid for by a one-cent sales tax fund. **Sponsored by Bush Turf**

Thurs., Jan. 16, 1:15 - 5:15 pm

Preregistration and Additional Fee Required

First stop is Roger **Dean Chevrolet Stadium**, a 90-acre complex in Jupiter, FL. The Spring Training home to the Miami Marlins and St. Louis Cardinals, the complex also hosts both clubs’ Advanced A and Gulf Coast League affiliates. The Town of Jupiter (JTAA) uses the complex for its recreational leagues from April through mid-December. The final tour stop is the **FITTEAM Ballpark of the Palm Beaches**, located in West Palm Beach. It is the Spring Training home to the Houston Astros and the Washington Nationals. The site also hosts baseball, soccer, lacrosse, and other sports. The facility’s layout centers around the 6,500-seat stadium field and features 12 full-size baseball fields, 2 half-sized fields, 5 multipurpose fields, and 2 artificial agility fields as well as clubhouse spaces. The City of West Palm Beach operates a public park adjacent to the complex and a 2-mile jogging trail encompasses the entire property. **Sponsored by Bush Turf**
Tues., Jan. 14

9:45 - 10:45 am
Overcoming Challenges in Your Career
Abby McNeal, CSFM, CPRP

11 am - 12 pm
Lessons Learned in 35 Years in Turf
Dale Getz, CSFM

2 - 3:15 pm
Breaking the Barrier: Communicating with Coaches and Administration
John Corbin, Marc Moran, CSFM

3:30 - 5 pm
So You’re Thinking About a Career Move...
Marcus Dean, CSFM, Jeff Salmond, CSFM, Brian Winka, CSFM

Thurs., Jan. 16

8 - 10 am
Work Life Balance: How to Spend Less Time at Work
Wes Ganobcik, Corbin Merriman, Christo Wallace

1:30 - 3 pm
So You’re Thinking About a Career Move...
Marcus Dean, CSFM, Jeff Salmond, CSFM, Brian Winka, CSFM
### CEUs & Pesticide Recertification Credits

CEUs have been approved by ASBA, GCSAA, NRPA and PGMS. CEUs are pending with NALP. Pesticide Recertification credits are approved for Florida. If you are attending from another state and need pesticide recertification credits, you are responsible for contacting your state's Department of Agriculture for approval.

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<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Topic</th>
<th>Presenter(s)</th>
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</thead>
<tbody>
<tr>
<td>Tues., Jan. 14</td>
<td>9:45 - 10:45 am</td>
<td>Being Positive About Increased Field Usage</td>
<td>Zack Holm, CSFM</td>
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<tr>
<td></td>
<td>11 am - 12 pm</td>
<td>Dotmocracy</td>
<td>Moderated by Jeremy Tredway</td>
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<tr>
<td>Wed., Jan. 15</td>
<td>2 - 3:15 pm</td>
<td>Synthetic Turf Maintenance: Sports Turf Managers Needed</td>
<td>Brian Hill, Mike Wear</td>
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<tr>
<td></td>
<td>3:30 - 5 pm</td>
<td>Does Your Athletic Field Pass the Test? Field Testing Overview</td>
<td>Kyley Dickson, Ph.D., John Sorochan, Ph.D.</td>
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<td></td>
<td>8 - 9:15 am</td>
<td>Research and Real-World Review of Natural &amp; Synthetic Hybrid Turf Systems</td>
<td>Pamela Sherratt</td>
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<tr>
<td></td>
<td>8 - 9:15 am</td>
<td>Understanding, Assessing, and Managing Shade Stress Problems in Stadiums</td>
<td>John Sorochan, Ph.D.</td>
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<td></td>
<td>9:30 - 10:45 am</td>
<td>Avoiding Pitfalls with Synthetic Turf Specifications and Project Management</td>
<td>Dave Anderson PE, Andrew McNitt, Ph.D.</td>
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<tr>
<td>Thur., Jan. 16</td>
<td>8 - 10 am</td>
<td>Informed Decision-Making Leads to Successful Sports Field Management</td>
<td>Mike Goatley, Jr., Ph.D., Jeffrey Krans, Ph.D., Jim Puhalla</td>
</tr>
</tbody>
</table>

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**Baseball Facility Management**

**Tues., Jan. 14**
- 2 - 3:15 pm Professional Baseball Field Renovation
  - Wes Ganobcik

**Wed., Jan. 15**
- 8 - 9:15 am Do I Pull the Tarp? Having the Tools and A Plan for Making Game-Time Weather Decisions
  - Brad Jakubowski, Matt Neri
- 9:30 - 10:45 am Cost of Ownership, From Turf to Dirt
  - Luke Yoder

**Thurs., Jan. 16**
- 8 - 10 am Baseball Construction - The Science Behind the Builders
  - Steve Bush, CFB, CSFM, Eric Holland, Nolan Thomas
- 1:30 - 3 pm Welcome to Our World
  - Nicole Sherry
- 1:30 - 3 pm Cost of Ownership, From Turf to Dirt
  - Luke Yoder
<table>
<thead>
<tr>
<th>COMPANY NAME</th>
<th>COMPANY NAME</th>
<th>COMPANY NAME</th>
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<tbody>
<tr>
<td>ABI Sports Turf</td>
<td>GreensGroomer</td>
<td>R&amp;R Products, Inc.</td>
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<tr>
<td>Advanced Drainage Systems</td>
<td>HARCO Fittings</td>
<td>Rain Bird</td>
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<td>Aer-Flo, Inc.</td>
<td>Harper Turf Equipment</td>
<td>Redexim North America (BLEC N.A.)</td>
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<td>Aeroform Athletics</td>
<td>Harrell’s</td>
<td>Redox Chemicals</td>
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<tr>
<td>AgPro Technologies, Inc.</td>
<td>Harrod Sport</td>
<td>Royse Green Technologies (RGT, Inc.)</td>
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<td>Andersons (The)</td>
<td>Hellas Construction</td>
<td>Schiller Grounds Care, Inc.</td>
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<tr>
<td>Anuvia Plant Nutrients</td>
<td>Horizon Distributors</td>
<td>Seed Research of Oregon</td>
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<td>Aqua-Aid Solutions/Imants</td>
<td>Hunter Industries</td>
<td>Shaw Sports Turf</td>
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<td>Hydraway Drainage Systems</td>
<td>Sidekick USA, LLC</td>
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<td>Arborjet/Ecologel Solutions, LLC</td>
<td>HydroPoint</td>
<td>Signature Systems Group</td>
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<td>Avant Tecnus USA</td>
<td>IntegraTurf, Inc.</td>
<td>Smithco, Inc.</td>
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<tr>
<td>Bannerman, Ltd.</td>
<td>Iowa State University, Dept. of Horticulture</td>
<td>Sod Production Services</td>
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<tr>
<td>Barenbrug USA</td>
<td>Jacklin Seed Company</td>
<td>Sod Solutions, Inc.</td>
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<tr>
<td>Beacon Athletics</td>
<td>Jaypro Sports, Inc.</td>
<td>Soil Tech Corp.</td>
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<td>Billy Goat Industries</td>
<td>John Deere</td>
<td>Spectrum Technologies, Inc.</td>
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<td>BioSaphe, Inc.</td>
<td>Kifco, Inc.</td>
<td>SportsTurf / EPG Media</td>
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<td>Bowcom</td>
<td>Kromer Co., LLC</td>
<td>Sports Venue Padding</td>
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<td>Brandt Consolidated/Grigg Brothers</td>
<td>Kubota Tractor Corporation</td>
<td>SportsEdge®</td>
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<td>Buffalo Turbine</td>
<td>Kwik Goal</td>
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<td>Bush Turf</td>
<td>Landmark Turf &amp; Native Seed</td>
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<td>Buy Soy, Inc.</td>
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<td>BWI Companies</td>
<td>LASCO Fittings, Inc.</td>
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<td>C&amp;H Baseball, Inc.</td>
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<td>Calcium Products, Inc.</td>
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<td>Columbia Seeds</td>
<td>Linemarional</td>
<td>Target Specialty Products/Turf Fuel</td>
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<td>Magnation Water Technologies</td>
<td>TLS Turf Lighting Solutions</td>
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<td>Covermaster, Inc.</td>
<td>Mar-Co Clay Products</td>
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<td>CoverSports USA</td>
<td>Matrax, Inc.</td>
<td>TranPak</td>
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<td>Covia (formally Fairmount Santrol Sports &amp; Recreation)</td>
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<td>Dakota Peat &amp; Equipment</td>
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<td>Trax Mowing Systems</td>
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<td>Diamond Pro</td>
<td>Mountain View Seeds</td>
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<td>DLF Pickseed</td>
<td>MTD Products / Cub Cadet Specialty Turf</td>
<td>TruMark Athletics</td>
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<td>DryJect, Inc.</td>
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<td>Dura-Trac Flooring, Ltd.</td>
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<td>Turf Tank</td>
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<td>Pearl Valley Farms</td>
<td>Turf-Tec International</td>
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<td>Echo, Inc.</td>
<td>Pennington Seed, Inc.</td>
<td>Turface Athletics</td>
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<td>ECOlawn Applicator</td>
<td>Perfect Mound (The)</td>
<td>Turfco</td>
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<td>EPS America</td>
<td>Performance Nutrition</td>
<td>TurfGrass Group, Inc. (The)</td>
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<td>Evergreen Turf</td>
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<td>Ewing Irrigation &amp; Landscape Supply</td>
<td>Plant Food Co.</td>
<td>Turfware, Inc</td>
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<td>Field Wall Pads - Division of Sports Graphics, Inc.</td>
<td>Platinum TE</td>
<td>U.S. Specialty Coatings</td>
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<td>FIELD</td>
<td>Port Industries, Inc.</td>
<td>United Turf and Track</td>
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<td>FieldTurf</td>
<td>Power Turf Renovation</td>
<td>Varicore Technologies, Inc. (Multi-Flow)</td>
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<td>First Products</td>
<td>Precision Laboratories, LLC</td>
<td>Ventrac by Venture Products, Inc.</td>
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<td>Precision Turf, LLC</td>
<td>Vescio’s Sports Fields, Inc.</td>
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<td>Fleet US</td>
<td>Precision USA.com</td>
<td>Watertronic s</td>
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<td>Floratine Products Group, Inc.</td>
<td>Pro-Tech Turf Pusher</td>
<td>Waupaca Sand &amp; Solutions</td>
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<td>Foliar-Pak/Advanced Turf Solutions</td>
<td>Pro’s Choice/Oil Dri Corp. of America</td>
<td>Wessex International</td>
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<td>g2 turftools, Inc.</td>
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<td>Wiedenmann North America, LLC</td>
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<td>Graco, Inc.</td>
<td>Quality Event Flooring Systems</td>
<td>Wood Bay Turf Technologies</td>
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<td>Graden</td>
<td>R.A.D. Sports &amp; SIS Pitches</td>
<td>World Class Athletic Surfaces, Inc.</td>
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<td>GreenJacket</td>
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<td>World Sports USA</td>
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Full Conference Registration
Includes admission to all Education Sessions (except optional activities with fees), Welcome Reception, Awards Banquet, Trade Show, online access to all of the education session recordings, and all meals provided during the conference.

<table>
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<tr>
<th>Registration</th>
<th>Online by: 1/3/20</th>
<th>Fax/Mail by: 12/13/19</th>
<th>Fax/Mail by: 12/14/19 – 1/3/20</th>
<th>Onsite Only after 1/3/20</th>
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<td>$375</td>
<td>$400</td>
<td>$450</td>
<td>$525</td>
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<td>2nd or more Member same facility</td>
<td>$325</td>
<td>$350</td>
<td>$400</td>
<td>$475</td>
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<td>NEW STMA Member (online only*)</td>
<td>FREE</td>
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<td>Non-Member (or Chapter only member)</td>
<td>$505</td>
<td>$530</td>
<td>$580</td>
<td>$655</td>
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<td>Student National Member * **</td>
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<td>Student Non-Member (or Chapter Only)</td>
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* New 1st time members must register online
** Student Members who participate in the Student Challenge receive FREE conference registration. Pre-registration is required and is only available on-line at STMA.org.

One Day Packages
Each day's package includes all events for the day(s) chosen. Does not include Optional Activities, which have additional fees.

- Tuesday  
- Wednesday  
- Thursday  

$150 each day

Trade Show Only Pass
Wednesday and Thursday  

$50

Non-Industry Spouse/Companion Registration
Registration must accompany a Full Conference Registration and are for Non-industry employed spouses, significant others or companions.

Guest Full Conference Registration  

$150

Optional Activities

<table>
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<tr>
<th>Event</th>
<th>Online by 01/03/20</th>
<th>Prior to 01/03/20 by fax/mail</th>
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<tr>
<td>Volunteer Field Rebuild: Sunday 1 - 6 pm</td>
<td>FREE</td>
<td>FREE</td>
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<tr>
<td>Full Day Seminar on Wheels: Monday 7 am - 5:15 pm</td>
<td>$65</td>
<td>$90</td>
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<td>Half Day Seminar on Wheels: Thursday 1:15 - 5:15 pm</td>
<td>$35</td>
<td>$60</td>
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<td>SAFE Golf Tournament: Individually: Monday 7 am - 5 pm</td>
<td>$135</td>
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<tr>
<td>SAFE Bowling Tournament Individual: Monday 6 - 9 pm</td>
<td>$75</td>
<td>$100</td>
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<tr>
<td>Additional Awards Banquet Tickets: Thursday 6:30 pm</td>
<td>$85</td>
<td>$110</td>
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Members: to Register, go online to STMA.org
Click Member Log in at the top of the page and log in. Select the Membership, Merchandise and Registration link on the left navigation bar. Select the 2020 Conference Registration item; choose your registration type; complete steps to add it to your shopping cart and follow the instructions for payment. You will be sent a receipt electronically.

New Members: If you are a new member (never been a member or haven’t been a member since 2000) who joined STMA during 2019, you qualify for a FREE Conference Registration. Follow procedure above, and select the Full Conference Registration (fee may show) Once selected, you will see reg options, select the Full Reg - New 1st Time Member (no fee) and continue through the form. New first time members must register online.

Non-Members & Former Members: go online to STMA.org
Click on Member Log in at the top of the page. At Log in, select New Visitor and put in your email address. It will indicate if you are already in our system. If not, fill out the contact information required, and click on Create Account. Now, new members can join STMA as a New First-Time Member to get the Free Conference Registration. Former members are not eligible for the Free Conference Registration. NOTE: You must add the New First Time Member to your shopping cart and pay for it before you can register for your free conference registration. Follow the Member registration process noted.

Important Information
Pre-registration is only available until Jan. 3, 2020. After that date, all registrations will be on-site. Fill out a form in advance and bring it, or fill one out at STMA Registration located in the Palm Beach County Convention Center. Please do not have your office fax it to STMA HQ after Jan. 3. It cannot be processed, and you will need to register on-site at the higher onsite rate. If you have any special accommodation, needs or meal requests, please contact STMA by Dec. 13, 2019.

Cancellation Policy
Cancellations must be in writing and received by Dec. 13, 2019. All written cancellations are subject to a $50 processing fee. NO refunds will be issued on requests received after Dec. 13. Refunds will be issued within 30 days after conference. Mail cancellations to STMA, 805 New Hampshire, Ste. E., Lawrence, KS 66044 or fax to (785) 843-2977. If the conference and exposition is cancelled for any cause beyond STMA’s control, registration fees will be refunded at a pro rate basis based on the expenses incurred at the date of cancellation. STMA holds event cancellation insurance that will be used to provide the most equitable refunds possible. Refunds will NOT be provided to registrants who are unable to attend due to weather or other non-health related issues.

Hard Copy Registration Forms - download from STMA.org

Questions? Call STMA at 800-323-3875.
STMA ANNUAL CONFERENCE & EXHIBITION
JAN. 13 - 16, 2020 – WEST PALM BEACH, FLORIDA

Who Should Attend:
- Sports Field Managers, Assistants & Crew
- Students
- Stadium & Facility Managers
- Coaches & Athletic Directors
- Architects, Engineers & Field Builders
- School Business Officials
- Public Works Managers
- Physical Plant Administrators
- Directors of Parks & Recreation
- Suppliers to the Industry

What You’ll Learn:
- Innovative techniques to save time and money
- Up-to-date research and how you can apply it
- Best Management Practices for sports fields
- Features and benefits of new industry products/equipment
- Communication strategies to help you succeed with your user groups
- Professional development & career advice

To exhibit, call: 866-847-8623
For all other Questions, call: 800-323-3875