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Joe Grandstaff
James W. Cownie Sports Complex, Des Moines, IA

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**CONFERENCE PROGRAM**

**OPTIONAL ACTIVITIES**

**EXHIBITOR LIST**

**STUDENT CHALLENGE**

**SCHEDULE AT A GLANCE**

**TUES., JAN. 21**

6:30 – 8:30 am  Continental Breakfast  
6:30 am – 6:30 pm  Registration Open  
7 am – 5 pm  Full Day Seminar on Wheels  
9:00 am – 4 pm  SAFE Golf Tournament  
2:30 – 5 pm  STMA Academy: 400+ level education (included in full conference price)  
3:30 – 7:30 pm  STMA Certification Exam  
6 – 9 pm  Chapter Officer Training (includes dinner)

**WED., JAN. 22**

7 – 8 am  Continental Breakfast  
9:30 am – 12 pm  Conference Education  
12 – 2 pm  Break  
12 – 2 pm  Women’s Forum Lunch New Time!  
2 – 5 pm  Conference Education  
5:15 – 6:15 pm  Conference Networking Sessions  
6:30 – 7 pm  First-Timers Reception  
7 – 10 pm  Welcome Reception & Casino Night

**THURS., JAN. 23**

6:45 – 7:45 am  Certification Breakfast  
7 – 8 am  Continental Breakfast  
7 am – 6:30 pm  Registration Open  
8 am – 12 pm  Conference Education & Student Track  
12 – 1:15 pm  Annual Meeting & Luncheon  
1:30 – 6:30 pm  SAFE Silent Auction on the trade show floor  
1:30 – 7 pm  STMA Exhibition and Reception  
2 – 6 pm  Committee meetings on the trade show floor

**FRI., JAN. 24**

7 – 8 am  Continental Breakfast  
7 – 8 am  Past President’s Breakfast  
7 am – 1 pm  Registration Open  
8 – 10:30 am  Student Challenge  
8:30 – 10 am  Conference Education  
9 – 10 am  Commercial Member Meeting  
10 am – 12:30 pm  Silent Auction on the trade show floor  
10 am – 1 pm  Exhibition Open with Lunch, Innovative Sessions  
12 – 1 pm  Student Luncheon  
1 – 5 pm  Half Day Seminar on Wheels  
1:15 – 3 pm  Conference Education  
2 – 3 pm  Riverwalk Horticultural Tour via barge (1st departure)  
2:30 – 3:30 pm  Riverwalk Horticultural Tour via barge (2nd departure)  
3 – 5 pm  SAFE 5K Run/Walk  
6:30 – 10 pm  STMA Reception, Live Auction and Awards Banquet

**SAT., JAN. 25**

8 am – 12 pm  STMA Certification Exam  
8 am – 1 pm  ASBA Certification Exam

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**STMA Student Challenge**

**Fri., Jan. 24, 8 – 10:30 am**

Participants receive FREE conference registration by competing in the Challenge. Undergraduates from two- and four-year institutions are eligible to compete in teams of up to four people. Graduate students are not eligible. Win $4,000 for your school! Preregistration is required and can only be completed online.

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**Student Luncheon**

**Fri., Jan. 24, 12 – 1 pm**

Network with CSFM’s and other industry professionals during the luncheon provided on the trade show floor. The winners of the Student Challenge will be announced following the lunch.

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**Conference Tracks**

**Agronomic**

**Tues., Jan. 21**

2:30 – 5 pm  STMA 400 – Evaluation and Preparation of Fields for Heavy Use  
*Grady L. Miller, Ph.D.*

**Wed., Jan. 22**

9:30 – 10:45 am  STMA 102 – Making the Impossible Possible: Seed to Playing in 35 Days  
*Julie Adamski, Ryan Bjorn*

11 am – 12 pm  STMA 108 – Aeration Today… Methods and Styles to Help Improve Playing Conditions  
*Michael Hileman*

2 – 3:15 pm  STMA 113 – Changing Perceptions, Pushing Limits: Grass Fields Will Take More  
*Jerad Minnick*

**Pest Control**

**Tues., Jan. 21**

2:30 – 5 pm  STMA 401 – What Are Your Weeds Telling You?  
*Jim Brosnan, Ph.D.*,  
*Gerald Henry, Ph.D.*

**Wed., Jan. 22**

9:30 – 10:45 am  STMA 100 – Improving Plant Performance with Plant Protection Products  
*John Cisar, Ph.D.*

*Rich Watson*

11 am – 12 pm  STMA 106 – Establishing Pest Thresholds on School Grounds  
*Don Savard, CSFM, CGM*

2 – 3:15 pm  STMA 112 – Insect Control Update for Sport Fields – Current & Future Programs  
*David Shetlar, Ph.D.*
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- Bachelor of Science in Turfgrass Science
- Master of Professional Studies in Turfgrass Management

To learn more, visit www.worldcampus.psu.edu/STMA
### Facility Management

**Tues., Jan. 21**  
2:30 – 5 pm  
STMA 403 – Understanding Our Changing Weather and Climate  
Brad Jakubowski

**Wed., Jan. 22**  
9:30 – 10:45 am  
STMA 101 – Why Research Matters to Field Managers  
Grady L. Miller, Ph.D.

**2 – 3:15 pm**  
STMA 115 – Shop/Tools/Tricks of the Trade to Improve Your Operation  
Luke Yoder

3:30 – 5 pm  
STMA 123 – Maintaining High School Athletic Fields on a Limited Budget  
Bruce Whitehead, CMAA; Hugh McReynolds, CAA

### Safety

**Tues., Jan. 21**  
2:30 – 5 pm  
STMA 402 – Playability and Safety of Bermudagrass Sports Fields  
Philip C. F. Aldahir, Eric Kleypas

**Wed., Jan. 22**  
3:30 – 5 pm  
STMA 119 – Bermudagrass Selection and Management for Athletic Field Performance and Safety in the Transition Zone  
Adam Thoms, John Sorochan, Ph.D.

**Thurs., Jan. 23**  
8 – 9 am  
STMA 203 – Sports Field Performance Testing: G-Max and Beyond  
Ross Kurcab, CSFM

**9:15 – 10:15 am**  
STMA 210 – Liability and Your Facility  
Patrick D. McGuiness

10:45 am – 12 pm  
STMA 214 – Infield Maintenance at Overbrook HS: Working With What We Have  
Rich Watson

**Fri., Jan. 24**  
8:30 – 10 am  
STMA 304 – Turfgrass Mathematics 101  
Barry Stewart, Ph.D.

1:15 – 3 pm  
STMA 309 – John Mascaro’s Photo Quiz Comes Alive  
John Mascaro

### Water

**Tues., Jan. 21**  
2:30 – 5 pm  
Kenny Pauley, Kent Dickerson

**Wed., Jan. 22**  
3:30 – 5 pm  
STMA 121 – Understanding the Basics of Irrigation Design, Installation, and Troubleshooting  
Lynda Wightman

**Thurs., Jan. 23**  
10:45 am – 12 pm  
STMA 217 – Sports Fields as a Stormwater Best Management Practice  
Rich Moffitt

**Fri., Jan. 24**  
8:30 – 10 am  
STMA 302 – Water Quality and Soil Conditions  
Nick Christians, Ph.D.

### Professional Development

**Wed., Jan. 22**  
9:30 – 10:45 am  
STMA 103 – Bridging the Generation Gap in the Turf Industry  
Joel Rieker, Tim VanLoo, CSFM

**2 – 3:15 pm**  
STMA 114 – The Lost Art of Communications  
Jeffrey Fowler, Evan Fowler

**3:30 – 5 pm**  
STMA 122 – Reading the Tells – Learning How to Read Body Language  
Jerry Balistreri

**Thurs., Jan. 23**  
8 – 9 am  
STMA 200 – The CSFM Process Demystified  
Tim VanLoo, CSFM

10:45 am – 12 pm  
STMA 212 – 2013 Field of the Year Winners  
2013 FOY Winners

### Conference Sponsors

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Special Professional Development Sessions Dedicated To Students:

**Thurs., Jan. 23**

8 – 9 am  
STMA 218 – Creating a New Career Path  
Abby McNee, CSFM

9:15 – 10:15 am  
STMA 219 – Managing and Molding Tomorrow’s Field Managers Today  
Michael Boettcher

10:45 am – 12 pm  
STMA 220 – Internships and How to Get the Most Out Of Them  
Zach Severns

**Synthetic**

**Wed., Jan. 22**

11 am – 12 pm  
STMA 107 – Replacing your Synthetic Infill Playing Surface  
Darian Daily

2 – 3:15 pm  
STMA 117 – Synthetic In-Fill: Compaction and Advancement in Relief Options  
Jason Sentell, Chad Price, CSFM, CFB

**Thurs., Jan. 23**

8 – 9 am  
STMA 201 – Traffic Tolerance and Turf Recovery: It Just Doesn’t Happen  
John Rector, Joseph K. Wipf, Ph.D.

8 – 9 am  
Amy Fouty, CSFM

10:45 am – 12 pm  
STMA 215 – Crumb Rubber Research and Real World Applications to Improve Athletic Fields  
John Sorochan, Ph.D., Tim Vanini, Ph.D.

**Industry Developments**

**Wed., Jan. 22**

11 am – 12 pm  
STMA 110 – New Trends and Technology in Sports Turf  
Representatives from STMA Commercial Companies

3:30 – 5 pm  
STMA 120 – Latest Trends in European Turfgrass  
Massimiliano Del Viva, Marco Volterrani, Alessandro De Luca

**Thurs., Jan. 23**

9:15 – 10:15 am  
STMA 205 – Traffic/Wear Tolerance of Kentucky Bluegrass and Perennial Ryegrass Cultivars  
Melodee Fraser, Ph.D.

10:30 am  
STMA 306 – Technology Tools and Innovations for Groundskeepers  
Michael D’Ascanio

**Construction/Renovation**

**Wed., Jan. 22**

11 am – 12 pm  
STMA 109 – Complete Baseball Field Renovation  
Keith Winter

2 – 3:15 pm  
STMA 116 – Trials and Tribulations of Building a New Sports Field Complex  
Roger Havlak

**Thurs., Jan. 23**

9:15 – 10:15 am  
STMA 209 – Arizona Stadium: 2 Years, 2 Renovations  
Matt Anderson, CSFM

9:15 – 10:15 am  
STMA 211 – Managing Turf in the MLS  
Robert Heggie

10:45 am – 12 pm  
STMA 213 – Renovation Practices at Real Madrid and Manchester United FC – Part 2  
Simon Gumbrell

**CEUs**

**CEUs and Pesticide Recertification Credits**

Many organizations recognize the caliber of STMA education and are awarding CEUs! CEUs have been approved by ASBA, NRPA, TTA, TNLA, IA, NIAAA, GCSAA, TCEQ, and PLANET. CEUs are pending for Texas Pesticide Recertification Credits.
John Mascaro’s Photo Quiz

John Mascaro is President of Turf-Tec International

Can you identify this sports turf problem?

Problem: Weak turf on field
Turfgrass area: Fast pitch softball field
Location: Fargo, North Dakota
Grass Variety: Bluegrass

Answer to John Mascaro’s Photo Quiz on Page 33
OPTIONAL EVENTS

Seminar on Wheels Tour
Tues., Jan. 21
Full day tour, 7 am – 5 pm
The tour begins at the STAR soccer complex, a 13-field natural grass complex located in the former Longhorn Quarry. STAR is home to the San Antonio Scorpions, a new professional soccer team playing in the North American Soccer League (NASL). Tour stops also include Texas State’s Jim Wacker Football Field in Bobcat Stadium, which recently had a $20 million renovation, and its softball and baseball fields. The baseball field has a special infield mix that reduces the need for tarping. Participants will stop next at the Park West Athletics Complex that holds a new International Association of Athletics Federations (IAAF) track and Fédération Internationale de Football Association (FIFA) soccer field at the University of Texas–San Antonio. These facilities opened in August, each seat 1,000 people, and were built through a unique partnership with the university, the City of San Antonio, and Bexar County. The final stop is at Oak Hills Country Club, one of the oldest private country clubs in the country, to tour the renowned tennis centre. It has a rare combination of three court surfaces including grass, clay and hard surface. Transportation and lunch included. Pre-registration and additional fee required.

Seminar on Wheels Tour
Fri., Jan. 24
Half day tour, 1 – 5 pm
Participants will see the baseball, softball, soccer, football and intramural fields at Trinity University. These fields are in an urban setting and are closely located by each other. Trinity has no practice fields. The next stop is The Park at St. Mary’s University, a new sports complex that has baseball, softball and soccer. The new 2200-seat baseball stadium, renamed Dickson Stadium for its benefactor, is built on the steel structure of the previous stadium. The final stop is at Nelson Wolff Stadium, the oldest ballpark in the Texas League and home to the Missions, a AA Minor League Baseball team. Many high schools and colleges play at Nelson Wolff including the UTSA Roadrunners. Transportation provided. Pre-registration and additional fee required.

Riverwalk Horticultural Tour
Fri., Jan. 24
Two Departures: 2 – 3 pm and 2:30 – 3:30 pm
Board a barge and take a tour of the world-famous Riverwalk. Hear how all of the plant materials are managed in a 100 percent organic program from the horticulturists for the Riverwalk. Pre-registration and additional fee required. Each tour is limited to 25 people, so sign up early.

CSFM Testing
Tues., Jan. 21, 3:30 – 7:30 pm & Sat., Jan. 25, 8 am – 12 pm
Pre-qualification and pre-registration by Dec. 15 is required for those who wish to take the exam. If you test on Tuesday and do not pass all of the sections, you may be able to retest on those sections on Saturday. To find out if you qualify for the certification program, call STMA at 800-323-3875.

New this Year!
Join STMA As A New Member, Get Conference Registration Free
If you are not an STMA national* member, you are eligible to receive a free conference registration to be used within three (3) years of joining STMA! This is an excellent way to experience conference education, peer-to-peer networking and access to the latest technology – the top three reasons members join STMA.

Go to www.stma.org or call STMA at 800.323.3875 for more information.

*Must not have been a national member since 2000. Affiliate and student memberships are not eligible.
New This Year – 5K RUN or Walk!
Fri., Jan. 24, 3 pm.
Join your peers in this inaugural event! For your entry fee of $35, you get a great 5K course, an event managed by professionals and a high quality shirt that will definitely become a keepsake. Start training now to take top honors and to help SAFE achieve its goals. Pre-registration is required.

ASBA Testing
Sat., Jan. 25, 8 am – 1 pm
The American Sports Builders Association (ASBA) offers three certifications for field builders and will be offering these tests during the STMA Conference. To find out if you qualify to test, go to www.sportsbuilders.org. The deadline to apply to test is Dec. 15. Those testing must register for the STMA conference, purchasing a one-day package at a minimum. Questions? Contact ASBA, 866-501-2722.

Chapter Officers Training
– for Chapter Board Members
Tues., Jan. 21, 6 – 9 pm (Dinner provided)
Chapter board members are invited to attend a chapter networking and brainstorming session to address the challenges of strengthening your chapter with a focus on how to fundraise and your role as a volunteer leader. Preregistration is required.

SAFE Golf Scramble
Tues., Jan. 21, 9 am – 4 pm
The SAFE Golf Tournament will be held at The Republic Golf Club, 10 minutes from the STMA host hotel. The course routing follows Salado Creek as it winds through heavily wooded areas, making each hole completely secluded. The terrain is mostly flat and has player-friendly features such as wide fairways with generous landing areas and open approaches. Republic has four sets of tees that allow players to adjust the game to their skill level. Transportation, lunch, hole-in-one and other prizes are included. Rental clubs are available. Pre-registration is required.

NEW TIME!
Women’s Forum Lunch
Wed., Jan. 22, 12 – 2 pm
Celebrating its seventh year, all women at the conference are invited to participate in a facilitated discussion and enjoy lunch.
List of Exhibitors

A-Turf, Inc. 385
Williamsville NY
A-Turf, Inc. specializes in the sales and installation of both in-filled and conventional synthetic grass systems for athletic fields. A-Turf’s focus is to provide superior synthetic grass systems combined with exceptional installation and after sales service. www.aturf.com

ADS, Inc. 538
Hilliard OH
Advanced Drainage Systems, Inc., the largest manufacturer of HDPE drainage pipe, provides solutions for residential projects to highway drainage. With a product line that includes AdvanEDGE®, ADS PolyFlex™ and Nyloplast™ products look no further than ADS for the best in golf course drainage solutions all designed to ensure maximum playability after the storm. www.ads-pipe.com

Aer-Flo, Inc. 337
Bradenton FL
Aer-Flo, Inc. manufactures unique sports covers, including patented Wind Weighted® Baseball Tarps and Bench Zone™ Sideline Turf Protectors. www.aerflo.com

AerWay By SAF-HOLLAND 501
Surrey BC
AerWay is an innovative world leader in the manufacture of soil aeration equipment for agriculture, golf courses, sports fields, orchards and vineyards. Safety, durability, economical operation and promoting the sustainable use of natural resources are all hallmarks of AerWay-The Original. www.aerway.com

Agrium Advanced Technologies 324
Loveland CO
Agrium Advanced Technologies is the leading manufacturer and marketer of slow- and controlled-release fertilizers and micronutrients in the professional Turf and Ornamental markets. Agrium Advanced Technologies’ brands include XCU, NITROFORM, NUTRALENE, POLYON, DURATION CR and Spread It & Forget It slow- and controlled-release fertilizers and AMP Micronutrients. www.spreaditandforgetit.com

All Seasons Turf 564
Brookshire TX
Whether you need sprigs, blocks, pallets or even big rolls, All Seasons Turf is big enough to handle any size project while maintaining a personalized relationship to assure every detail is right the first time. www.allseasonsturf.com

Aquasmart Global 570
Waterville OH
Aquasmart is a premiere water retention product holding 12 times its weight in water. www.aquasmartglobal.com

Aquatrols 390
Paulsboro NJ
Products that help to improve and maintain your root zone environment. www.aquatrols.com

Arysta Life Science 279
Easton MD
Basic manufacturer of Disarm Fungicides, Aloft Insecticide, Endorse Fungicide and Xonerate. www.arystalifescience.com

Bannerman LTD 409
Rexdale Ontario Canada
Aeration equipment, large turf rollers, topdressing machines, infield groomers, wet and dry liners, overseeding equipment and turf combs. www.sportsturfmagic.com

Barenbrug Seed 357
Tangent OR
Barenburg’s innovative programs of research and turfgrass development are designed to provide varieties that afford the highest level of sports turf performance. Our RPR Regenerating Perennial Ryegrass and HGT Brand of wear tolerant Kentucky bluegrasses are recent top innovations in sports turf performance. www.barusa.com

BASF 287
Ames IA
Manufacturer of Green Lounger, turf paint products, sprint iron, biostimulants and other turf management products. www.beckerunderwood.com

Bayer 213
Research Triangle Park NC
Bayer is a global enterprise with core competencies in the fields of health care, agriculture and high-tech materials. This year the company is celebrating 150 years of Bayer – consistent with its mission “Bayer: Science For A Better Life”. In the area of sports turf management, Bayer CropScience has a broad portfolio of products to control weeds, disease, nematodes, and turf damaging insects. www.backedbybayer.com

Beacon Athletics 413
Middleton WI
Supplies soil amendments, field maintenance equipment, custom netting, padding, windscreens and more. www.beaconathletics.com

Buffalo Turbine 391
Springville NY
Since 1945, Buffalo Turbine has used “Turbine Technology” with our vast number of blowers and sprayers. www.buffaloturbine.com

Bulldog Field Equipment 490
Roanoke VA
At Bulldog Field Equipment, we strive to design and offer innovative tools and equipment to help sports turf professionals reduce stress, labor and equipment costs. www.bulldogfieldequipment.com