FEATURED SPEAKER: Paul Caligiuri
Long considered one of the most successful and recognizable soccer players in the United States, Paul Caligiuri is in his second year as the head coach of Cal Poly Pomona’s men’s and women’s soccer teams.

After earning honors for his collegiate play for UCLA, Caligiuri, played professionally and internationally for 18 years before joining Cal Poly Pomona. From 1984-97, Caligiuri was a member of the United States national team and had 110 game appearances, including participation in two World Cups in 1990 and 1994 and the 1988 Olympic Games in Seoul, Korea. One of the most memorable moments of his playing career came in 1990 when he scored the game-winning goal - known as the “Goal Heard Round The World” - against Trinidad & Tobago that qualified the U.S. for its first World Cup in 40 years. He played professionally in West Germany and became the first American player to make a Division I professional team in Europe when he earned a spot with FC Hansa Rostock Oberliga in 1990. He completed his career abroad with St. Pauli, German Bundesliga in 1995. In 1996, Caligiuri played for the Columbus Crew of the newly-founded Major Soccer League. In 1997 he was assigned to the Galaxy, where he helped the team become one of the top defensive units in the league. Los Angeles reached the MLS championship game two times while Caligiuri was with the team.

FEATURED SPEAKER: C. Mike Jousan
C. Mike Jousan is an internationally recognized speaker who is one of our nation’s experts on communication. In 1988, he founded Clear Communication Company, a consulting firm specializing in all forms of person to person communication. He is the author of the book, “Don’t Let The Messenger They Shoot Be You! A Survival Guide For Public Speaking.” Jousan knows that presentation skills, public speaking skills, media and communications skills are all learned skills. In his presentations, training sessions and workshops, he describes and demonstrates ways to communicate better so others can learn what to do and what NOT to do. His skill-building methods help participants unlock their own personal and professional potential and begin a process of continuing development in projecting a positive image.

THURSDAY, JANUARY 22

GENERAL SESSION 8:00 – 11:30 am

8:00-8:15 am
Welcome to California Teamin’- 2004
Bob Campbell, CSFM, STMA President, University of Tennessee

8:15-9:00 am
Soccer – The Player, The Coach and The Field
Paul Caligiuri, Head Men’s and Women’s Soccer Coach, Cal Poly Pomona

9:00 – 9:45 am
Turf Across the Pond – Turf – Can It Be Made in the Shade?
Keith Kent – Twickenham RFC

10:00-10:45 am
Turf Across the Pond – Where Turf and Technology Meet
Brian Robinson – Grass Science

10:45-11:30 am
Turf Across the Pond – Conquering Modern Constructions
Dave Saltman - Pitchcare

CONCURRENT SESSION 12:30-3:45 PM

There will be four topics within each of the four Tracks during this concurrent session. The topics will run for 45 minutes each with a 15 minute break between the second and third topics in each Track.

MANAGING FOR DOLLARS TRACK
Re-establishing Your Wear Areas: Budget vs. Performance
Tim Yanini - Michigan State University

IPM: Intelligent Pest Management
Dr. Frank Rossi - Cornell University

Making Each Dollar Count
Mike Tarantino - Poway Unified School District (CA)
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ent approaches to fertilization and experimenting with new and old methods to perform renovations.

Developing a Management Plan with a Limited Budget
Mark Hodnick - City of Claremont, CA
WHAT YOU’LL HEAR » Every athlete, regardless of the level, deserves to play on the best and safest field possible, but how do you do this when the dollars are limited and the demands seem unlimited? This presentation will give you ideas on how to set priorities, how to plan ahead, how to work with competing interests and how to develop an affordable management plan and budget and “sell it” to all the stakeholders.

TURFGRASS SOILS TRACK
Selecting the Best Root Zone
Jason Henderson - Michigan State University
WHAT YOU’LL HEAR » The stability concern of sand has sparked the development of a number of products to aid in sand and surface stabilization. These products are in the form of soil amendments and in the form of soil inclusions which have been developed to provide a more uniform and stable playing surface. A three-year field study was recently completed at Michigan State University that compared many of the stabilization products to straight sand and sand-soil mixes. All treatments were subjected to two years of simulated football traffic seasons. The objectives of this research were as follows: 1) to compare and contrast the ability of each athletic field system to deliver a resilient and safe playing surface under simulated traffic, 2) to monitor the changes in infiltration rates after each season of traffic, and 3) to evaluate the soil physical properties of each field system and the inclusion/amendment effects on the strength of the root zone. The results of this study will be discussed in detail. Data from this work will help field managers, school administrators, and team owners make informed decisions when choosing the best root zone for their situation.

Turfgrass Cultivation
Dr. Doug Karcher - University of Arkansas
WHAT YOU’LL HEAR » The pros and cons of several types of cultivation practices on sports turf will be reviewed. In addition, the steps involved in developing soil cultivation programs will be discussed, including identifying soil problems and selecting the proper equipment and timing.

Topdressing: What you need to know to be successful
Dr. James Murphy - Cookes College, Rutgers University
WHAT YOU’LL HEAR » To be successful, you must first determine what you are attempting to accomplish with topdressing. Objectives for topdressing include modifying the physical and/or chemical properties of the existing root zone surface, smoothing an uneven surface, aiding establishment of overseeding, anchoring plants, and protecting plant crown and roots. Determining which of these objectives is/are most important for your situation will help in the proper selection of topdressing material, timing and quantity. Success in a topdressing can also depend on the turfgrass species being grown. You will learn about interactions between turfgrass species, soil conditions, and topdressing.

Using High Quality Compost as a Soil Amendment
Dr. Andy McNitt - Penn State University
WHAT YOU’LL HEAR » This presentation will examine the use of high quality compost as a soil amendment focusing on data gathered through the combination of research results and experience in field use situations under varying circumstances.

SYNTHETIC TURF MANAGEMENT TRACK
A New Season with Synthetics
Amy Fouty, CSFM - University of Michigan
WHAT YOU’LL HEAR » This presentation will highlight the process that the University of Michigan went through to pick the product and install the new generation of artificial turf. The project will be outlined from start to finish, from selecting gravel to purchasing the proper equipment to maintain the surface.

Natural Turf versus Infill Turf
Speaker: Dr. Andy McNitt - Penn State University
WHAT YOU’LL HEAR » This presentation will review the results to date of ongoing research involving natural turf versus infill turf under various athletic field environments and field management programs.

Topic: Synthetic Surface Heat Studies
Gilbert Pulley and Dr. Frank Williams – Brigham Young University
WHAT YOU’LL HEAR » This presentation will cover a study of the surface and subsurface temperatures of bare soil, natural turf and synthetic turf and how these temperatures relate to relative humidity, air temperature, time of day, irrigation cycles and light incidence. The surface temperatures of asphalt and concrete also are included under the same conditions and interactions. Also discussed will be some of the barriers to surface cooling (i.e., hydrophobic conditions, poor infiltration and drainage characteristics, temperature rebound after irrigation) and the additional maintenance needed to deal with these factors.

Financing for Construction and Maintenance of Synthetic Fields
Patrick Maguire - Geller Sport, Boston, Massachusetts
WHAT YOU’LL HEAR » In this session, attendees will learn about the capital costs involved in building an infilled synthetic turf athletic field as well as how to prepare a long term cost benefit analysis for infilled synthetic turf vs. natural grass. The information will be presented in case study format using a recent public infilled synthetic turf athletic field project taken from concept through completion.

GETTING TO THE DIRT OF BASEBALL TRACK
Selecting a Skin Field Mix
Mark Hodnick - City of Claremont, MA
WHAT YOU’LL HEAR » This presentation is an overview of the different materials available to "skin an infield.” From the tried and true materials to the latest you will come away with the information you will need to select the infielndmix that is best for you and your field.

Getting to the Science of Infield Mixes
Dr. Karl Guillard - University of Connecticut
WHAT YOU’LL HEAR » The skinned portions of baseball and softball infielns vary widely with respect to soil texture, composition of the construction materials, applied amendments, and added conditioners. These variables influence soil physical properties, which may affect the playability and ball reaction off the surface. This presentation will discuss our current research conducted with five soils at different moisture contents and amended with varying rates of calcium clay on skinned infield surface hardness, surface traction, static ball friction, and dynamic ball friction.

Pitching Mound and Homeplate Management
Steve Wightman - Qualcomm Stadium, San Diego, California
WHAT YOU’LL HEAR » This presentation will discuss the basics and more in a detailed pictorial description of building, preparing and repairing a Major League Pitching Mound and Homeplate area. You’ll learn what types of clays are best for construction and maintenance. Attendees also will learn how to set the proper height, slope and distances of the mound as well as how the batters’ boxes are maintained for some of the greatest hitters in the Major Leagues.

Infield Management Techniques
Eric Hansen and Larry Divito - Los Angeles Dodgers
WHAT YOU’LL HEAR » In this presentation, attendees will get a view of game day infield maintenance at Dodger Stadium and a detailed look at infield maintenance practices from the end of a game through batting practice set up the next day. We will discuss our overall philosophy of infielmanagement and our approach to providing a quality playing surface at the major league level. This discussion will also include a description of staff levels, infielndsoils, amendments, tools, and techniques.
Fielder's Choice

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FRIDAY, JANUARY 23RD

**MORNING SERIES OF WORKSHOPS**

Choose one of the ten Workshops during the morning session - 8:00-10:00 AM

**Job Market Preview**

- This session is for students just beginning their turf studies, recent college graduates and seasoned professionals looking for new career possibilities.

**Professional Facilities Perspective**

- Rachel Volkmer - Milwaukee Brewers Baseball Club

WHAT YOU’LL HEAR: Important steps for students to take while still in school and as they begin a job search will be discussed. Internships, networking, resumes, job posting resources, and job search strategies will be explained. Are jobs available at professional sports facilities? Yes, but how do you find them and secure the job? Key questions to consider when deciding to move into a professional sports position from another area of sports field management will be addressed. Expectations for jobs at both Minor League and Major League Baseball facilities will also be presented.

**College and University Perspective**

- Mike Andren, CSFM - Iowa State University

WHAT YOU’LL HEAR: This segment of the workshop will concentrate on the college and university market. It will review opportunities available to students while in school, as well as opportunities where college athletic programs can utilize students. It will examine the job market at the university level and give insight into how a student can gain employment in this arena. Employment trends and issues will be exposed and discussed.

**Other Schools Perspective**

- Jody Gill, Blue Valley School District, KS

WHAT YOU’LL HEAR: This presentation will discuss the multiple requirements of a position in the school system environment and point out what these employers are seeking by focusing on Gill's position as Grounds Coordinator for a large suburban School District. Sports turf management is an important part of his job but he has other equally important responsibilities. The discussion will explore these other areas of responsibility exploring those where a general knowledge is needed of: traffic control and signage, asphalt and concrete maintenance and striping, snow and ice control, exterior lighting, vehicle fleet management, playground safety, public area landscape design and maintenance, stadium systems including sound, lighting, HVAC, plumbing, etc.

**Parks and Recreation Perspective**

- Chris Calcatta, CSFM - City of Peoria, AZ, Sports Complex

WHAT YOU’LL HEAR: This presentation will explore how facility managers are looking for interns and new hires in experience and schooling. It will address how to ensure internships are beneficial for both parties and review private versus public internships and full time hiring practices. It will look at multi-use sporting facilities and their employment needs. Eyes-catching details for resume recognition will be discussed. Also included will be exploration of career advancement within the organization i.e. paying your dues with time and experience and continuing education and professional development with local STMA Chapters and the national STMA.

**Work Smarter, not Harder:**

- Floyd Perry, Grounds Maintenance Services for Sports Fields, FL

WHAT YOU’LL HEAR: This workshop will show through slides and verbal interaction over 100 ways to save time, effort and energy in baseball, softball and turf sports. It will bring attendees into the program through asking for additional ideas that have worked for their staffs. This presentation will feature ground level, every day ideas that the high school recreational or upper division groundskeeper can incorporate into their daily and seasonal calendar. This presentation will encourage you to be innovative and creative in your daily job performance and you will work smarter, not harder.

**Warm Season Turf 101**

- Dr. Kent Kurtz - Cal Poly Pomona

WHAT YOU’LL HEAR: This workshop will discuss the growth and development of warm season turfgrasses utilized in the management of sports turf. It will include basic plant structure, function and characteristics used for the selection and identification of the grasses. It will consider the environment and management and how they influence the daily operation of sports turf. It will cover selection of the correct turfgrass for the facility and methods for establishment and maintenance based upon use and the budget, equipment and personnel resources available.

**Cool Season Turf 101**

- Mary Owen - University of Massachusetts Extension

WHAT YOU’LL HEAR: Understanding basic growth and development of cool season grasses is fundamental to successful sports field management. This session will focus on turfgrass plant structure and function; seasonal development of grasses; plant response to environmental influences such as temperature, light, and water; and plant response to traffic and wear. Fine-tuning cultural practices based on turfgrass plant growth in relation to intensity of use will also be addressed.

**Developing a Sellable Budget**

- Boyd Montgomery, CSFM - Sylvan Recreation Corporation

WHAT YOU’LL HEAR: In this workshop we will discuss techniques in developing a budget presentation. We will discuss yearly tracking of labor and services for justifications and developing a document that can help upper management understand your operations. Some prepared to discuss your successes and failures and bring examples if you would like.

**Athletic Field Construction**

- Dr. James Murphy - Cook College, Rutgers University

WHAT YOU’LL HEAR: This workshop will discuss the pros and cons of the numerous sports field drainage systems used in athletic field construction including the impact on soil fertility and irrigation management. Systems that are simple and inexpensive as well as elaborate and expensive will be covered. Various design criteria for root zones and drainage will be presented. Emphasis will be placed on understanding which forms of drainage are effective based on the given circumstances.

**Using Reclaimed Water**

- Dr. Ali Harivandi - University of California Extension

WHAT YOU’LL HEAR: In arid and semi-arid regions and highly populated metropolitan areas, irrigation with reclaimed water is becoming popular, due to water shortages and/or the rising cost of domestic water. The benefits and limitations of using reclaimed water to irrigate sports fields are analyzed in this workshop. Topics include types of reclaimed water, water quality evaluation, irrigation considerations, nutrients benefits, and turfgrass management practices to cope with low-quality reclaimed water irrigation.

**Managing Native Soil Athletic Fields**

- Dr. Bob Carrow, University of Georgia

WHAT YOU’LL HEAR: The focus of this workshop will be on stresses that limit turfgrass performance on native soil athletic fields, especially soil physical, soil chemical/fertility, and traffic stresses (wear, soil compaction). Each stress will be discussed with respect to a) cause, b) identification of the stress, c) prevention/correction options, and d) secondary stress that arose out of the primary problems. Some of the specific stresses include: surface compaction, subsurface layers, problem soils (shrubs/swale), clay hard-setting soils, sodic, salinity, organic matter/thatch accumulation, surface/subsurface drainage, pH/fertility problems, influence of poor water quality or use of effluent, low light patterns, from stadium structures, wear stress, and others.
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Sand-based Root-zone Management
Dr. John Stier - University of Wisconsin
WHAT YOU'LL HEAR >> Sand based fields have the potential to provide remarkably superior playing surfaces but are often mismanaged beginning with construction and ranging through to management. During this workshop, pros and cons, construction methods, grow-in, and successful tips for managing sand based fields will be discussed. Details will include sand selection, amendments, grass selection, fertilization, irrigation, cultivation, and topdressing.

Zoysiagrass Athletic Fields
Dr. Milt C. Engelke - Texas A & M Research & Extension Center - Dallas
WHAT YOU'LL HEAR >> This workshop will explore the use of zoysiagrasses for natural turf sports fields. To date, the zoysiagrasses have not been the grass of choice, however, advances in cultivar development and cultural practices make zoysiagrass a serious contender for the finest of sporting facilities, domed type stadiums included. Zoysiagrass is a species which is broadly adapted to soil types, structure, chemistry and climates. It is a warm season grass originating from the Pacific Rim regions and which is represented by as many as 11 different species. Only four of the species has adaptability to use for turf, but the areas of adaptation will range from approximately 40 to 50° N latitude (Chicago) to 42 to 5° S (Tasmania, Australia). New zoysiagrasses have recently been introduced to the market that offer alternatives to bermudagrass, and even many of the cool season grasses used on sports fields today. Yet, they too have their own special management requirements to optimize their durability, longevity and performance. This presentation will examine the cultural practices required, incorporating the results of field studies initiated in the spring of 2001 focused on reduction of thatch accumulation and the reduction of the potential for severe scalping.

» AFTERNOON SERIES OF WORKSHOPS
Choose one of the ten Workshops during the afternoon session - 3:00-5:15 PM

Putting your Turf to Bed
Dr. Dave Minner - Iowa State University
WHAT YOU'LL HEAR >> Don't abandon your field at the end of the playing season. How the field is "put to bed" will greatly influence its ability to recover and be ready for the next season. In-season and end-of-season strategies for a creating, topdressing, renovation, covers, fertility, seeding and sodding will be presented for both warm and cool season athletic field systems. Traffic tolerance research of species and seedbed turf will be presented. A grass systems approach will be used to explain how year-end strategies impact next season performance.

Preparing for the CSFM Exam
Mary Owen University of Massachusetts Extension; Mike Schiller, CSFM, Van's Enterprises and George Trivet, CSFM, Granite Falls, NC, Middle School
WHAT YOU'LL HEAR >> This workshop provides an overview of the CSFM Exam and provides hints to prepare for taking it. Without giving away specific questions, the presentation team will point out areas the Exam takers should be familiar with. It also will show how the practical, everyday, part of sports turf management can help prepare you for the Exam. If you are thinking about certification, but are nervous about the test, this session is for you.

Meeting the Media - How To Session
Steve Wightman - Qualcomm Stadium, San Diego, California, and Media Representatives
WHAT YOU'LL HEAR >> A panel of local media and nationally recognized Sports Field Managers will discuss their respective jobs and the interaction required for each to perform their work. Highlighted areas will include, "What makes a good story", the interaction of the Sports Field Manager and the media as well as, "How to project a positive image". Questions will be entertained from the audience for various perspectives, ideas and, hopefully, solutions.

Salt Tolerant Turf
Dr. Ronny Duncan - University of Georgia (retired)
WHAT YOU'LL HEAR >> With water issues dominating management decisions for managing all recreational turf, use of alternative water resources, all of which contain some level of salinity, is challenging turf performance. Understanding the interaction among the water salt load, soil, climatic interactions, and turf species/cultivar is essential to maximizing sports turf performance. In this workshop you will learn the what/when/where specific details for making management decisions for irrigated turf.

Environmental Issues
Debra Swartz, Michigan State University
WHAT YOU'LL HEAR >> With environmental issues growing concern for a major segment of the public, field management programs and practices are increasingly in the spotlight. This session will outline guidelines for moving beyond mere compliance with mandated regulations to a proactive approach on environmental issues. Attendees will work on assessing potential environmental impacts at their facilities and look at establishing partnerships with local and state organizations to develop creative solutions to environmental concerns. In addition, this workshop will look at methods of integrating environmentally preferred products into the management program.

What Administrators Want to See in Your Budgets
Keith Bradford - Poway (CA) School District
WHAT YOU'LL HEAR >> You'll learn how an administrator's thinks. (They do think even though you may not believe it.) You'll get an opportunity to see where administrators are coming from, step into their shoes. Once you have a better understanding of how administrators think you will be able to present a budget in such a way as to increase your odds of getting what you need.

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