



EUROPEAN TURFGRASS SOCIETY

NEWSLETTER 01/2016

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www.turfgrasssociety.eu

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ETS is pleased to announce the

5th ETS Conference in Algarve

5-8th June 2016
Albufeira (PORTUGAL)

<http://ets2016.ualg.pt>



On behalf of the **ETS - European Turfgrass Society**, the **University of Algarve** is happy to welcome ETS members and other turfgrass specialists to the 5th ETS Conference 2016 in Albufeira, Portugal.

ETS organizes its scientific turfgrass conference every two years. Italy (2008), France (2010), Norway (2012) and Germany (2014) were the previous hosts of this international conference. Portugal has been chosen to host the event in 2016, from 5th – 8th June 2016.

The meeting venue is the Algarve's largest Congress Centre and one of the largest in the Iberian Peninsula, a fantastic facility equipped with cutting-edge technology: the **Algarve Congress Palace, at the Salgados Palace Hotel, Algarve, Albufeira.**

The Organising Committee with Prof. Carlos Guerrero as convener, is preparing this international congress under the theme:

"TURFGRASS – TOWARDS SUSTAINABILITY AND PERFECTION FOR AESTHETIC, RECREATION AND SPORTS"



ETS 2016 important news

Dear All,

please find below some important messages for 2016:

1. ETS Membership campaign

The 2016 ETS membership campaign is now open !

Prices for memberships are unchanged and cover a wide variety of categories and budgets.

We hope that you will find the category suitable for you, your company or your institution, and that you will decide to join us in ETS for 12 or 24 months.

You can register online at http://www.turfgrasssociety.eu/ets_membership_2014.html



2. ETS 2016 General Assembly

The ETS General Assembly (GA) will be held on **Tuesday 7th June at Algarve Congress Palace, at the Salgados Palace Hotel, Algarve, Albufeira (Portugal)**, during the 5th ETS Conference.

Very important ETS matters will be addressed during the GA and only ETS members registered before the 5th ETSC can partake and vote for:

- Election of the ETS Board (min. 5 max. 9 members, including President) that will lead ETS for the following 4 years
- Election of the ETS President
- Election of ETS Auditor General Board
- Approval of 2015 balance and 2016 budget
- Other important ETS strategies and policies



3. Candidature for new ETS Board and ETS President

All non-student ETS members worldwide are eligible for being elected within the Board or as President. As in 2012, with the election of Dr. Scott McElroy, one elected US member will be joining the ETS Board as "Liaison Officer for the US".

We are looking to have a list of candidates before the GA, in order to make the election process more speedy and efficient. Therefore, if you feel like getting involved in ETS, and would like to candidate for an ETS Board position and/or as ETS President and/or as Auditor, please send your candidature with a very brief profile (maximum 5-7 lines) to: etsoffice@turfgrasssociety.eu

Also attach, if you so wish, a small photo of yourself. Again, if you so wish, your candidature details will then be posted on the ETS website and in upcoming newsletters. So please let us know if you want your candidature publicized or not.

You will also be free to candidate yourselves onsite at the GA, however we feel that for ETS members it would be good to know who the candidates are beforehand.

Please do feel free to contact the European Turfgrass Society office (etsoffice@turfgrasssociety.eu) for any help, information and clarification on all these matters.

With kind regards,

ETS Office



www.turfgrasssociety.eu

EUROPEAN TURFGRASS SOCIETY

German Turfgrass Society (DRG) turfgrass seminar

By Dr. Harald Nonn

The German Turfgrass Society (DRG) pronounces its next turfgrass seminar on 25./26. April 2016. The seminar will take place in Leipzig/Germany. The first day offers a study trip to the famous Leipzig stadium and the new training facilities of RB Leipzig followed by some interesting turfgrass installation and returfing sites. Vertebrates in soil are the topics of the lectures during the second day.

Please find the program and further information at:

http://www.rasengesellschaft.de/download/122_DRG-Rasenseminar.pdf



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13th International Turfgrass Research Conference New Brunswick, New Jersey, USA 16-21 July 2017

The International Turfgrass Society announces the first call for papers to be presented at the 13th International Turfgrass Research Conference (ITRC) in **New Brunswick, New Jersey, USA, 16-21 July 2017**. Title-summaries are needed to assist the Scientific Program Planning Committee with determining a conference program as well as to initiate the process for publishing papers from the conference.

Update on Paper Submissions for the 2017 International Turfgrass Research Conference (ITRC)

We have received 229 paper submissions (99 oral; 130 posters) for the 2017 ITRC in New Brunswick, New Jersey, USA. The scientific program planning committee is about to begin the process of organizing and assembling these submissions into a program. We will update you with more details about the scientific program at a later date.

We also have received requests to keep the submission process open a little longer and have extended the submission deadline to **February 19 (Friday)**. So, if you haven't already submitted a title-summary, we invite you to do so as soon as possible. [Click here to submit your title summary online](#).

Additionally, listed below are answers to some frequently asked questions about title-summary submissions and publishing papers from the 2017 ITRC.

Questions:

Can authors and titles be edited after submission?

Answer: Yes, authors have until **February 19** to edit titles, author(s), and summary information after submission. Use the Confex confirmation URL sent to you to access your submission for editing.

Can papers (ready for review) be submitted now to Crop Science and Agronomy Journal, or must these wait until May 1st to be submitted?

Answer: Papers can be submitted at any time to *Crop Science* or *Agronomy Journal* where they will immediately begin the review process. Authors should make sure to choose the correct paper type when they submit to make sure their papers are designated as part of the ITS/ITRC group.

Assuming acceptance by Crop Science or Agronomy Journal, will the papers be published in 2016 or withheld until 2017?

Answer: If/when the papers are accepted, they will be copyedited/typeset and made available on the journal's Just Published page (ex. dl.sciencesocieties.org/publications/cs/justpublished). These accepted papers on the Just Published page will be assigned a DOI name (digital object identifier), thus allowing these to be cited in curriculum vitae and similar documents. Note: The current plans are to have the entire group of ITRC papers finish the review/processing process and then assign these to an issue of the journal in 2017. The DOI name for an accepted paper will remain the same even after it is assigned to a specific journal issue.

Will authors have the opportunity to publish any paper not accepted by Crop Science or Agronomy Journal in the International Turfgrass Society Research Journal?

Answer: Yes, authors may choose to have any paper that is not accepted by *Crop Science* or *Agronomy Journal* to be considered for publication in the *International Turfgrass Society Research Journal*? Note: More details on the review and publishing process will be provided as we move further along with manuscript submissions and reviews. Authors are strongly encouraged to review the guidelines of each journal before deciding which journal to submit their papers (see the URLs below).

ITSRJ (<http://www.turfsociety.com/2015/20151020Standards-for-Publishing-ITSRJ.pdf>)

Crop Science (<https://dl.sciencesocieties.org/files/publications/cs/cs-instructions-to-authors.pdf>)

Agronomy Journal (<https://dl.sciencesocieties.org/publications/aj/instructions-to-authors>)





"NEWS FROM ACROSS THE POND"

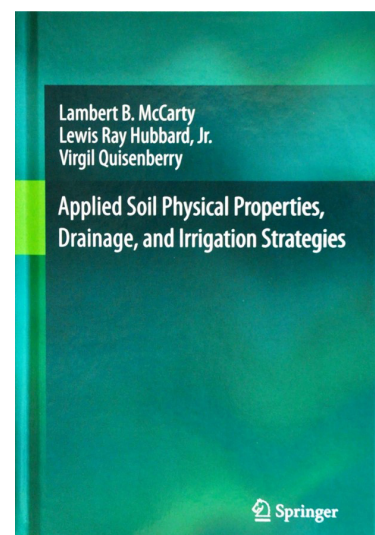


Clemson Trio Write Book - Soil Physics book announcement

By Dr. Bert McCarty

A trio of Clemson University employees with over 90 combined years in soil science teaching, research, and demonstration recently released the book, *Applied Soil Physical Properties, Drainage, and Irrigation Strategies - A Practical Guide*. **Bert McCarty, PhD**; **L. Ray Hubbard, Jr., PhD, PE**; and, **Virgil Quisenberry, PhD**, explained the book's goal was to demystify the complicated math used in many of the soil physics formulas and to concentrate on the applications of these. The authors focused on actual field and laboratory situations with numerous examples of how practitioners can successfully use the information covered in the book. It is available through Springer International Publishing, Switzerland at www.springer.com/us/book/9783319242248.

Four chapters covered: (1) Soil Physical Properties; (2) Soil Drainage; (3) Rootzone Selection and Modifications, and (4) Water Management and Conservation. Chapter one covers the basics of soil physical properties which will be applied in subsequent chapters. Chapter two covers the principles and practices of necessary calculations when determining appropriate and sufficient drainage for a particular situation and site. Chapter three covers the science of determining an appropriate rootzone profile for playability and sufficient drainage while Chapter four covers irrigation practices to maximize water management and conservation.



NEWS FROM IOWA STATE UNIVERSITY

by Dr. Nick Christians



The 2015 season at the turf research area at Iowa State University marked a new era in sports turf research for the turf program. Most of the season was spent in removing the topsoil, re-grading the subgrade, final grading of the surface media and installing a new irrigation system. This took from late spring until the end of August. The area was seeded in early September and became well established by the end of the growing season in late October.

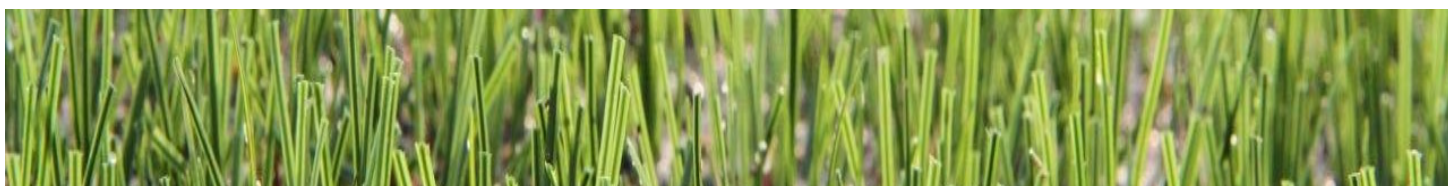
The area includes approximately 3 acres (1.2 ha) of research area with a 1.5 % slope for surface drainage. There is also 2 additional acres (0.8 ha) of sloped surrounds that will also be available for research projects. The area is further divided into 3 separate areas of equal size. They are a native soil field, a soil field that will be topdressed with sand, and a field with a soil subgrade and a 3-inch (7.62 cm) sand cap. Each of the areas was further divided into 9 subplots of various grass species and blends chosen to represent the primary cool-season grasses presently being used in the region. These include Kentucky bluegrass (*Poa pratensis*), perennial ryegrass (*Lolium perenne*), and tall fescue (*Festuca arundinacea*), and various combinations of these grasses. The 9 subplots are randomized separately within each of the 3 soil and sand-based areas.



Dan Strey, graduate student and research associate, had primary responsibility for procuring donations and for labor involved with construction. Dan and an undergraduate research associate, Zachary Olinger, did most of the work on the site. Dan did most of the grading work on the site and Dan and Zach together installed the irrigation system. Most of the cost of the construction came from companies involved in the turf industry. Bush Turf of Milan, Illinois donated much of equipment and labor used for final grading. Hunter Industries of San Diego, California donated the irrigation system. There were also many other companies that contributed parts and equipment to the project.

In January of 2016, Iowa State also hired a new faculty member that will specialize in sports turf management research. He is Dr. Adam Thoms who recently received his Ph.D. with a specialization in sports turf research from the University of Tennessee. Adam will join us on July 1, 2016. He is already

in the process of planning new research projects for the new research area.



NEWS FROM NORTH CAROLINA STATE UNIVERSITY

by Dr. Travis Gannon



Dr. Grady Miller received turfgrass producers international award:

<http://www.turffiles.ncsu.edu/news/dr-grady-miller-receives-turfgrass-educator-award-of-excellence-from-turfgrass-producers-international>

NC State University Turf breeding program enters partnership with Sod Solutions:

<http://www.turffiles.ncsu.edu/news/nc-state-enters-turf-research-north-carolina-partnership>

NC State University Turf Graduate Student Awards at International Agronomy Meetings

Jennifer A. Kimball

3rd place: Turfgrass Breeding and Genetics, Stress Tolerance for her presentation entitled "Genetic components associated with cold tolerance and turf quality traits in St. Augustinegrass."

Authors: Jennifer A. Kimball, Susana R. Milla-Lewis, M. Carolina Zuleta, Steven E. Mulkey, Consuelo Arellano, Tan D. Tuong, and David P. Livingston.

Jenny just completed her Ph.D. in the Department of Crop Science at NC State University under the direction of Drs. Susana Milla-Lewis and Thomas G. Isleib. The title of her dissertation is "Breeding for cold tolerance in St. Augustinegrass using conventional and molecular methods."

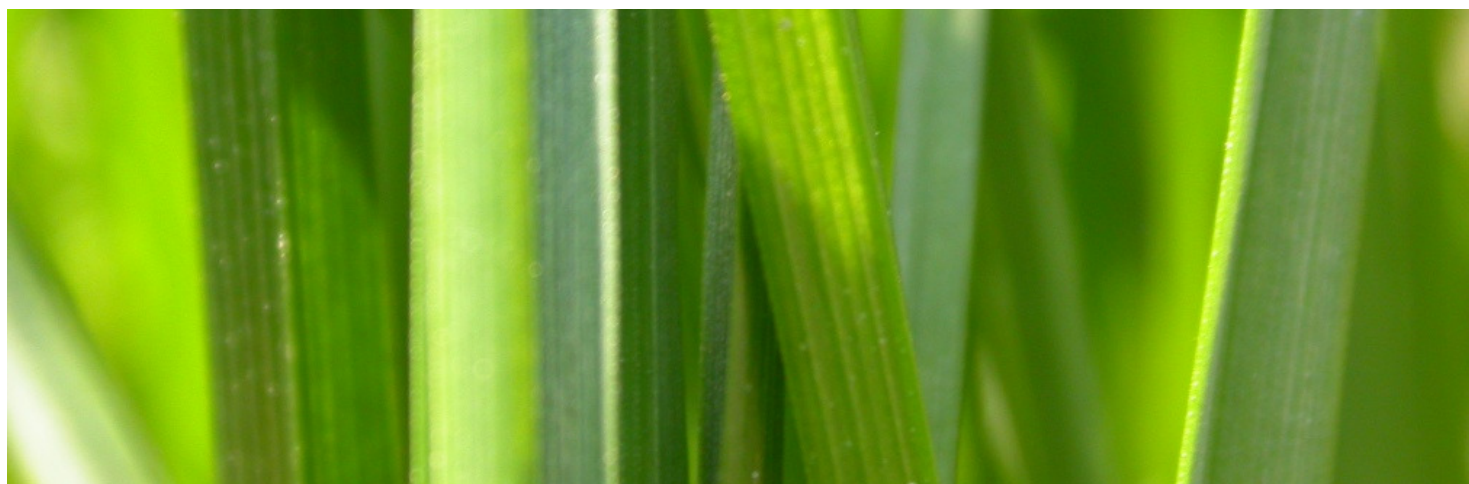
Matthew D. Jeffries

1st place: Turfgrass Cultural Practices, Ecology and Environment for his presentation entitled "Fluctuations over Time in Dislodgeable 2,4-D Residues from Hybrid Bermudagrass Athletic Fields."

- Authors: Matt Jeffries, Travis Gannon, Jim Brosnan, Khalied Ahmed, and Greg Breeden

Matt is a Ph.D. student in the Department of Crop Science at NC State University under the direction of Drs. Travis Gannon and Fred Yelverton and the title of his dissertation is "Off-Target Pesticide Displacement and Fate in Turfgrass, Riparian and Aquatic Systems."

Matt was also one of the recipients of the Chris Stiegler Turfgrass Science Graduate Student Travel Award for the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Annual meeting.



JOBS, JOBS, JOBS



Virginia Tech Sports Turf Management Assistantship



Sports Turf Graduate Research Assistantship. M.S. student preferred, Ph.D. student will be considered. This GRA is primarily funded by the Virginia Tech Athletic Department. The student will be required to function as a Second Assistant for Virginia

Tech's Sports Turf Management team, helping the Head Sports Turf Manager maintain all of the Athletic Department's sports fields and surrounding landscapes. The student will also be required to conduct applied sports turf research towards fulfilling all the requirements for a graduate degree within the Crop and Soil Environmental Sciences Department. The position comes with a monthly stipend that begins at approximately \$1718/month + tuition and travel funds for attendance at all STMA and VSTMA conferences etc. Interested students should contact Dr. Mike Goatley (Goatley@vt.edu; 540-231-2951) or Dr. Erik Ervin (Ervin@vt.edu; 540-231-5208).

Institute Of Agriculture And Natural Resources Department Of Agronomy & Horticulture Graduate Research Assistantship at the University of Nebraska-Lincoln



The University of Nebraska-Lincoln (UNL), Department of Agronomy and Horticulture, invites applications for an M.S. graduate research assistantship. The proposed research will investigate the impact environmental conditions and management practices have on biosynthesis of gibberellin in cool-season turfgrass species. The research will supplement the development of growing degree day models for plant growth regulators and be directly incorporated into our GreenKeeper web-app. In addition, the research will aid in the development of growth potential models for turfgrass. The candidate will lead in study design and implementation of research, and assist in related research projects. Opportunities also will be provided to gain teaching experience in turfgrass ecology and management; participate in professional scientific societies; and travel to professional meetings. Desired candidates will have demonstrated interest in turfgrass management, plant physiology or related fields; high scholastic achievement; excellent verbal and written communication skills; and ability to work independently but also effectively with a team. Finally, a qualified candidate must have a strong sense of curiosity.

Interested applicants should contact Dr. Bill Kreuser, wkreuser2@unl.edu, 402-472-1869, for more information.

Qualifications: B.S. degree with appropriate academic credentials. Experience in turfgrass management preferred. The qualifying degree must be completed before the GRA start date.

Current Stipend: Graduate Research Assistantship Stipend:

Annual Basis - \$23,928 Monthly Basis - \$1,994

Tuition Waiver: A tuition waiver of up to 12 credit hours per semester and 12 credit hours during summer sessions is provided with the GRA.

Health Insurance: Students on assistantships are provided health insurance at a reduced rate.

GRA Availability: May 2016

Application: Formal application for graduate studies is required. Follow the admission instructions at: <http://www.unl.edu/gradstudies/>

Dr. Mark Lagrimini, Graduate Chair

Department of Agronomy & Horticulture University of Nebraska-Lincoln

PO Box 830914

Lincoln, NE 68583-0914

Phone: 402-472-1560, FAX: 402-472-7904 E-Mail: AGRO_HORT_GradChair@unl.edu

University of Florida Turfgrass Research Assistantship

This position is available as early as Summer 2016.

Ph.D. student preferred, but strong M.S. student candidates will also be considered. The student will be expected to conduct transdisciplinary research related to turfgrass physiology, breeding, and management, in addition to taking all appropriate coursework as required toward fulfilling all the requirements for a graduate degree within the Agronomy Department at the University of Florida.

The position comes with a yearly stipend of \$18,000 to \$20,000 and also covers tuition (approx. \$13,000/yr). The position is on the main campus of the University of Florida located in Gainesville, Florida.



Interested students should contact Dr. John Erickson (jerickson@ufl.edu) or Dr. Kevin Kenworthy (kenworth@ufl.edu)

Graduate Research Assistantship - Turfgrass Science

A PhD-level Graduate Research Assistantship is available in the Department of Soil and Crop Sciences at Texas A&M University to evaluate physical characteristics of sands used to topdress ultradwarf bermudagrass golf greens in the southern United States. The incumbent will investigate the on-course interaction of topdressing sands with sands used to backfill aeration voids with the goal of generating particle size recommendations for topdressing sand that leads to a favorable surface for turfgrass growth and playability. The project is funded by the USGA and will involve interaction with their agronomists, GCSAA field staff, Texas A&M faculty members, and southern golf course superintendents.



Texas A&M faculty members involved in this project are Kevin McInnes, Ben Wherley, and Casey Reynolds. A competitive stipend, tuition and fees, and medical benefits will be paid. MS candidates will be considered. The position will be available immediately on completion of review process and acceptance to the graduate program at Texas A&M University. A start date no later than June 1, 2016 is preferred but not prerequisite. Interested individuals should send a letter of application and their curriculum vitae to Dr. Kevin McInnes, Department of Soil and Crop Sciences, 2474 TAMU, College Station, TX 77843. Office: 979.845.5986, Mobile: 509.251.3440, Email: (preferred) k-mcinnnes@tamu.edu.

Turfgrass Research Internship at Scotts in Marysville Ohio

Scotts R&D in Marysville Ohio is searching for a self-motivated student looking to broaden their knowledge in Turfgrass Research. Interns will gain experience using state of the art facilities including our: drought and water-runoff structures, greenhouses, and over 180 acres of experimental lawn areas. Many past interns have used this experience as an avenue to begin graduate programs. This position supports new product development and provides a unique hands-on experience in areas including: turfgrass fertility, environmental stewardship, controls, and others. Responsibilities include: research plot maintenance, experimental design, data collection, statistical analysis and interpretation.



Applicants should have some turfgrass experience and be enrolled in a university program studying Turfgrass, Horticulture, Agronomy, or related Biological science. The ability to operate motorized lawn and garden equipment is required.

Internship period will accommodate a student's schedule and runs from Apr/May to Aug/Sep. Compensation is \$15-\$18 per hour depending on education and experience (40hr/wk). A housing allowance of \$500/month is also available for out of state applicants. We look forward to hearing from you; please send your resumes or questions to Phil Dwyer at phil.dwyer@scotts.com

University of Minnesota

Turfgrass Science Program

2 open Positions



UNIVERSITY OF MINNESOTA

Job Title: Researcher 2 **Job ID:** 306940

Location: Twin Cities **Full/Part Time:** Full-Time

Qualifications

Minimum qualifications:

Bachelor of Science degree in Horticulture, Agronomy, Soil Science, or related discipline, plus one (1) year of post-graduate field experience working with plants and/or turfgrass. Two years of graduate level work can replace field experience. Experience operating turfgrass and/or agricultural field machinery. Must be able to lift and carry loads of at least 50 pounds and stand/walk for long periods of time. Valid driver's license. A Minnesota pesticide applicators license (Categories A and E) or the ability to obtain one within 60 days of start date.

Preferred qualifications:

Master's of Science degree in Horticulture, Agronomy, Soil Science, or related discipline. Minnesota Class B commercial driver's license. Demonstrated organization skills, and multi-tasking capabilities, and ability to work and communicate effectively with others from a variety of diverse backgrounds. Experience designing and carrying out research studies and analyzing study results is also desired.

About the Job

The Turfgrass Science program at the University of Minnesota is part of the Department of Horticultural Science in the College of Food, Agricultural, and Natural Resource Sciences, and the University of Minnesota Extension. At our Turfgrass, Research, Outreach and Education (TROE) Center on the St. Paul campus we conduct research on salt tolerant grasses for roadsides, low-input turfgrasses for cold climates, and turfgrasses for sports such as golf. We have six full time staff, including educators, scientists, and a field manager who support ongoing research and graduate students. More information about our program can be found at: www.turf.umn.edu and www.horticulture.umn.edu.

Duties/Responsibilities This position provides support for the UMN Turfgrass Science Program. The specific activities will change depending on the needs of the program from week to week but will likely include:

(30%) Work with the Metropolitan Council and municipalities in the Twin Cities area to assess the current state of home lawn irrigation practices through surveys and site visits. Design and construct irrigation systems for irrigation reduction research and demonstration.

(30%) Plan and implement research projects related to salt-tolerant turf establishment on roadsides; this will include working closely with the Minnesota Department of Transportation and turfgrass industry stakeholders. Collect and analyze data and prepare research reports.

(25%) Design and execute trials related to golf course turfgrass management. Collect and analyze data and prepare research reports.

(15%) Assist with the maintenance of turfgrass research plots on the University of Minnesota St. Paul campus and at other research locations throughout the state. Tasks may include visual scouting of turf areas for biotic and abiotic stresses, identification of diseases using applicable techniques, and application of fertilizers, pesticides and other turfgrass chemicals. Position may involve ordering supplies and maintaining equipment. Detailed record keeping of all field activities will be necessary.

This position may be required to work more than 8 hours per day in all weather conditions. Some weekend work may be necessary depending on experiments. Job duties may deviate from those outlined as determined by supervisors.

About the Department

The Department of Horticultural Science is a nationally recognized department offering highly ranked programs of study at the undergraduate, Master of Science, Master of Professional Studies, and PhD levels. The Department have many distinguished faculty who have won numerous University and national awards for quality teaching, outreach, and published research. The faculty work in a variety of fields including plant breeding, molecular genetics, plant hardiness, postharvest physiology, agroecology, and organic horticulture.

How To Apply

Applications must be submitted online. To be considered for this position, please click the Apply button and follow the instructions. You will be given the opportunity to complete an online application for the position and attach a cover letter and resume.

Additional documents may be attached after application by accessing your "My Activities" page and uploading documents there.

Diversity

The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: <http://diversity.umn.edu>.

To request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).

Background Check Information

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

For more information about this position, please contact: Sam Bauer (sjbauer@umn.edu, 763-767-3518)

Job Title: Researcher 5 **Job ID:** 307042

Location: Twin Cities **Full/Part Time:** Full-Time



UNIVERSITY OF MINNESOTA

Qualifications

Minimum

Master's degree in horticulture, agronomy or a related discipline

Experience in experimental design, along with data collection and statistical analysis

Documented evidence of scientific manuscript writing

Preferred

Turfgrass science research experience

Grant writing experience

Experience engaging effectively with turfgrass professionals and a variety of groups with diverse backgrounds

Primary Duties

The candidate will participate in and lead research for the University of Minnesota turfgrass science program focusing on low-input turfgrass systems. The candidate will lead research projects funded by various agencies and be expected to contribute to obtaining new research funding through grant writing. Initial projects have been determined by current funding; however, the candidate will be encouraged to seek out new research opportunities that align with the goals of the turfgrass science program. The candidate will be expected to design and plan research projects, and then supervise the implementation and execution of research projects. The candidate will be responsible for data collection and analysis along with final manuscript and research report preparation. The candidate will also be expected to present research to stakeholder groups and be an active participant in regional and national scientific meeting.

Specific Responsibilities

Research Project Planning: Review relevant literature and develop detailed plans for turfgrass research projects including plot layout and design, statistical analysis, methods, and timeline. (10%)

Data Collection, Analysis, and Publication: Implement and carry out research projects with the assistance of research program personnel (field facility manager, junior scientist, graduate students, undergraduate students). Collect qualitative and quantitative data at field research sites (roadside test sites, golf courses, on-campus research plots, etc.). Perform statistical analysis of research results. Prepare manuscripts for submission to disciplinary scientific research journals. Revise accepted manuscripts for final publication (50%)

Grant Writing and Reporting: Assist faculty with grant reporting. This may include preparation of annual research summaries as well as periodic data analysis and reporting. Assist faculty with grant writing and help identify new funding opportunities (15%)

Outreach: Communicate effectively with a diverse group of turfgrass science stakeholders groups (sod growers, sports turf managers, golf course superintendents, etc.). These interactions will include one-on-one consultation, participation in stakeholder meetings and field days, and presentations at conferences. (10%)

Supervision and Logistical Support: Assist graduate students and other turfgrass researchers in implementation of execution of research projects. Supervise undergraduate student workers assisting with graduate student research or other research projects.(15%)

More Information

The Turfgrass Science program at the University of Minnesota is part of the Department of Horticultural Science in the College of Food, Agricultural, and Natural Resource Sciences, and the University of Minnesota Extension. At our Turfgrass, Research, Outreach and Education (TROE) Center on the St. Paul campus we conduct research on turfgrass breeding and genetics, roadside turfgrass selection and management, low-input turfgrasses for cold climates, and general turfgrass management for various turf systems including golf. We have six full time staff, including educators, scientists, and a field manager who support ongoing research and graduate students. More information about our program can be found at: www.turf.umn.edu and www.horticulture.umn.edu

About the Department

The Department of Horticultural Science is a nationally recognized department offering highly ranked programs of study at the undergraduate, Master of Science, Master of Professional Studies, and PhD levels. The Department have many distinguished faculty who have won numerous University and national awards for quality teaching, outreach, and published research. The faculty work in a variety of fields including plant breeding, molecular genetics, plant hardiness, postharvest physiology, agroecology, and organic horticulture.

How To Apply

Applications must be submitted online. To be considered for this position, please click the Apply button and follow the instructions. You will have the opportunity to complete an online application for the position and attach a cover letter and resume.

Additional documents may be attached after application by accessing your "My Activities" page and uploading documents there. This position requires that you attach a resume/CV, list of references, and a cover letter outlining your interest in the position.

This position will remain open until filled.

Diversity

The University recognizes and values the importance of diversity and inclusion in enriching the employment experience of its employees and in supporting the academic mission. The University is committed to attracting and retaining employees with varying identities and backgrounds.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about diversity at the U: <http://diversity.umn.edu>.

To request an accommodation during the application process, please e-mail employ@umn.edu or call (612) 624-UOHR (8647).

Background Check Information

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

For questions about this position, please contact: Eric Watkins (ewatkins@umn.edu, 612-624-7496)



AGENDA OF TURFGRASS EVENTS



What	When	Where	Info
5 th ETSC	5-8 Jun 2016	Albufeira (PT)	http://ets2016.ualg.pt
6 th Conference on Landscape and Urban Horticulture	20-25 Jun 2016	Athens (GR)	www.luh2016.org
TPI 2016 Conference & Field Day	22-25 Jul 2016	Houston – TX- USA	www.turfgrasssod.org
2 nd ETP "Farm Tour"	29-30 Sep 2016	Ginosa (IT)	www.turfgrassproducers.eu
13 th ITRC by ITS	16-21 Jul 2017	N. Bunswick (USA)	http://turfgrasssociety.com/itrc2017

If you know of a turfgrass-related event which should be included in the Agenda of Turfgrass Events, please contact the ETS Newsletter Editor at etsoffice@turfgrasssociety.eu with all relevant details.



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Edited by Claudia de Bertoldi PhD, etsoffice@turfgrasssociety.eu

Deadline for submission of material for 02/2016 edition: **Apr 15th 2016**



The EUROPEAN TURFGRASS SOCIETY



The objectives of the **ETS** include the spread of innovative applications and encouragement of a holistic view of turf, particularly with respect to its influence on urban and environmental quality. This approach is significant as the founding members are representatives of a large industry that has global importance. We aim to:

- a)** Provide a forum for scientists, consultants, companies and practitioners to discuss technical issues related to the provision of turf surfaces.
- b)** Spread innovative applications for the benefit of the turfgrass industry, national and local government, and the European public. Encourage a systems-based approach to the study of turfgrass through multi-disciplinary groups working at different levels.
- c)** ETS considers turfgrass knowledge in the broadest sense, including its use in sport and leisure, its role in improving urban quality and its importance in the mitigation of environmental effects such as soil erosion.
- d)** Develop a strong ethos to promote sustainable, low input systems and solutions based on the conscious use of non-renewable resources.

Current ETS Board of Directors



Panayiotis Nektarios
Athens Agricultural University
ETS President

Dr. P.A. Nektarios has received his Ph.D. from Cornell University with an expertise on turfgrass management and its environmental impact. His vast

experience on turfgrass science and culture is substantiated by more than 100 publications in impact factor journals, international and national conferences, university notes and daily press. He was the organizer/convener of the 1st and the co-convener of the 3rd International Conference on Turfgrass Management and Science for Sport Fields, under the auspices of International Society for Horticultural Science (ISHS) and the Editor of the corresponding *Acta Horticulturae*.

Since 2005 he is a Board Member of the International Turfgrass Society (ITS) and the Chairman of the Turfgrass Management Working Group of ISHS. He has served as co-editor and reviewer in several International and National Conferences focusing on turfgrass science and management. His expertise in turfgrasses has been commuted to younger student and scientists through teaching and experimentation at an undergraduate and postgraduate level at the Agricultural University of Athens.

He has been the coordinator and member of twenty granted research programs and a reviewer of more than thirty scientific journals and conference publications.

For further information visit:
www.aua.gr/nektarios



Stanislav Hejduk
BRNO Mendel University
ETS Board Member

Graduated and Ph.D. defended at Mendel University in Brno. Currently working as an Associate Professor at Department of Animal Nutrition

and Grassland Science of Mendel University. First contact with Turfgrass management was during lectures of Professor Fratissek Bures in 1995. His background is grassland management and Forage production. He has been a board member of ETS since its foundation in 2007. Main area of interests in turf: soils, water x plant relationships, turfgrass strips in fruit orchards and in vineyards, plant stress, grass seeds multiplying. He co-operates in the area of education with the Czech Greenkeeper's Association.

For more information visit:
<http://is.mendelu.cz/lide/clovek.pl?id=3042>

**Maria Strandberg**

STERF - Scandinavian Turfgrass
and Environmental Research
Foundation
ETS Board Member

Maria Strandberg is Director of
STERF, which is a leading
International centre of expertise

in sustainable golf course management. As a part of
her job, Maria also has positions in Golf
Environmental Organisation (GEO) Advisory Council
and GEO Technical Commission, and on the
International Turfgrass Society board.

Maria has a background a lecturer and director of
studies at the Swedish University of Agricultural
Sciences. Maria has more ten years of experience in
working with scientific issues regarding all aspects of
high quality, and environmental and economic
sustainability of managed turfgrass areas and golf
facilities.

In 2008 Maria received an award from the King of
Sweden for her national and international work on
integrating golf and environment and in 2011 she
received the Golf Environment Organization
Environmental Award for her significant contribution
to sustainable golf.

For more information please visit:

<http://sterf.golf.se>

**Scott McElroy**

Auburn University
ETS Board Member

Scott McElroy is an Associate
Professor in the Department of
Agronomy and Soils at Auburn
University. He received his BA in
Communication with an emphasis

in Chemistry from Auburn University, his MS from
the Auburn University in Agronomy and Soils and
his PhD from the NC State University in Crop
Science with a minor in Plant Ecology. Dr. McElroy
was previously employed as an Assistant Professor
and Extension Specialist in Turfgrass and Weed
Science at the University of Tennessee in Knoxville,
Tennessee. His primary research area at Auburn is
on new and improved methods for improved weed
management in turfgrass systems, from golf course
putting greens to turfgrass sod production to home
lawns. Dr. McElroy holds a joint appointment with
the Agricultural Experiment Station and the College
of Agriculture. He also serves as a reviewer for the
Weed Science Society of America Journal, Weed
Technology, and the Agronomy and Crop Science
Societies of America Journals, Agronomy Journal
and Crop Science, and is a member of the American
Chemical Society and American Association for the
Advancement of Science. Dr. McElroy teaches two
classes, Principles of Weed Science (AGRN 3120)
and Applied Weed Science Technology (AGRN
5200/6200). Dr. McElroy is currently developing a
third class, Sports Turf Management, for both
undergraduate and graduate students.

For more information visit:

<http://www.ag.auburn.edu/agrn/faculty/McElroy/>

**Trygve S. Aamlid**

Bioforsk
ETS Board Member

M.Sc in Crop Science 1986.

Ph.D. in Plant Physiology / Seed production 1990.

Sabbaticals at Oregon State University (1991) and at PennState University (2005/06).

Since 1990 employed by The Norwegian Institute for Agricultural and Environmental
Research (Bioforsk) with Bioforsk Øst Landvik as working place. Qualified as professor
1999.

Since 2002 leader of Bioforsk's research group for turfgrass and seed production. Experience from
numerous projects in turfgrass physiology, seed physiology, seed production, plant breeding, variety
testing and ecological restoration / revegetation. About 60 papers in peer-reviewed international journals
and conference reports. More than 400 popular articles.

Lecturer at the Agricultural University of Sweden, Norwegian University of Life Science and several
meetings and courses held by the national golf unions and greenkeepers' associations in the Nordic
countries. Supervisor for Ph.D. students Lars Havstad, Ingunn Vågen and Tanja Espevig. Since 2006
scientific representative and vice chairman and on the Board of Scandinavian Turfgrass and Research
Foundation, since 2009 on the Board of directors of the International Turfgrass Society and since 2012 on
the Board of European Turfgrass Society.

For more information visit: www.bioforsk.no

**Wolfgang Praemassing**

DEULA
ETS Board Member

Study of Agricultural Biology (University Diploma) at University of Hohenheim, 1991 Doctoral Dissertation (PhD) Promotion with Prof.

Dr. H. Franken, University of Bonn, subject: Soil physical Effects of Aeration on Turfgrass Soils, 2008.

Occupation and activities:

Agronomist and lecturer in Greenkeeper Education and Training for golf and sport sites at DEULA Rheinland GmbH, Education Center, Kempen. Member of editorial staff of "European Journal of Turfgrass Science". Member of expert committee of German Soccer League (DFL). Member of working group "Turf" at German Soccer Federation" (DFB). Member of working group "Water" at German Golf Federation. Member of board of directors "International Turfgrass Society" (ITS). Member of examination boards of Chamber of Agriculture Nordrhein-Westfalen Golf Course Greenkeeper and Head-Greenkeeper, Greenkeeper/Groundsmen Sport Sites, Competence of Pesticide application.

For more information visit: www.deula.de

**Filippo Lulli**

Turf Europe
ETS Secretary and Treasurer

I am a University of Pisa graduate and PhD in Crop Science. I have been a member of the Centre for Research on Turfgrass for Environment and Sports since

2003. In 2009 I founded Turf Europe, a University of Pisa Spinoff company dedicated to turfgrass consultancy, teaching and R&D. I have been a member of ETS since its foundation and have always tried to be active and involved in all ETS events. I have written over 15 scientific articles on turfgrass and my main research areas are sports turf establishment and management, warm-season turfgrass species characteristics and physiology, precision farming applied to turfgrass..

For more information visit: www.turfurope.eu

**Ulrike Pitha**

BOKU University, Vienna
ETS Board Member

Born 1976 in Moedling/Austria, studied Landscape architecture and Landscape planning at the University of Natural Resources and Life Sciences Vienna. She wrote her master thesis at the institute of Soil Bioengineering and Landscape Construction (IBLB) about Gravel paths in historical gardens and her PhD thesis about wheelchair use in urban parks. Since 2006 she is leader of the vegetation technology research group of the IBLB.

Postdoc researcher, assistant at University of Natural Resources and Life Sciences, Vienna – Department of Structural Engineering and Natural Hazards – Institute of Soil Bioengineering and Landscape Construction.

Group leader of the division 'Vegetation techniques', project management and research activities of national and international projects, lectures on specific vegetation techniques issues.

Expertise: vegetation technology; biometry of plants; microclimatic effects of plants; Plants for urban areas.

Appointments/Memberships in Professional Societies

2013 -2016 International Turfgrass Society advisor

2012 -2016 European Turfgrass Society consultant, then full Board Member

2011 - Austrian Standards Institute, Arbeitsgruppe 229.10 "Begrünung mit Wildpflanzensaatgut" field specialist.

For more info visit:

http://forschung.boku.ac.at/fis/suchen.person_uebersicht?sprache_in=en&ansicht_in=&menue_id_in=101&id_in=3428



EUROPEAN TURFGRASS SOCIETY

ETS 2016-2017 CAMPAIGN

Two years membership

REGISTRATION FORM (print, fill-in, scan and send by e-mail to: etsoffice@turfgrasssociety.eu)

FEES:

☐ PRIVATE € 153,00

☐ STUDENT € 51,00

COMPANY:

☐ with turnover < 500.000€ : € 340 - includes 2 individual memberships

☐ with turnover < 5.000.000€: € 510 - includes 3 individual memberships

☐ with turnover < 25.000.000€: € 680 - includes 4 individual memberships

☐ with turnover > 25.000.000€: € 1020 - includes 5 individual memberships

☐ Public organizations and Institutions: € 340 - includes 2 individual memberships

☐ Additional individual memberships (companies, institutions, associations): € 85

Password (8 characters) : [Choose the password](#)

Organization

(for private) family name

(for private) first name

Address

City

ZIP code

State or province

Country

Vat code or Fiscal code

Contact person

Contact person e-mail

Payment details:

☐ Payment by bank transfer: Banca Monte dei Paschi di Siena – Livorno Ag. 8
IBAN CODE: **IT 08 X 01030 13905 00000 2125169** – BIC code **PASCITM1W99**

☐ Payment by Paypal with Credit Card (ETS will send you a "request of payment" by Paypal)

Member 1 info:

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*Family Name

*Date of birth (dd/mm/yyyy)

*Birthplace (city, state, nation)

*Codice Fiscale (only for Italian people)

*E-mail

*Address

*City

*Zip

State

*Country

Telephone

Member 2 info

*First name

*Family Name

*Date of birth (dd/mm/yyyy)

*Birthplace (city, state, nation)

*Codice Fiscale (only for Italian people)

*E-mail

*Address

*City

*Zip

State

*Country

Telephone

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