

SCHEDULE

JULY 2009

HOTEL GRAND HYATT SANTIAGO
(Avda Kennedy 4601 Ph. 950 1234)

SUNDAY 26:

PRE-CONFERENCE ITS BOARD MEETING..... 16:00 – 17:30
SOCIAL COCKTAIL..... 18.00 – 19.30

MONDAY 27:

REGISTRATIONS..... 08.30 – 09.00
WELCOME RECEPTION.....09.00 – 09.50

RESEARCH PAPERS ROOM 1:

SECTION: DISEASES (PLANT PATHOLOGY)

Chairman: Dr. J.A. Murphy

- R7** -Benedetto, D. and T. Hsiang*. **Effect of azoxystrobin on dollar spot disease development in creeping bentgrass (*Agrostis stolonifera*) and Kentucky bluegrass (*Poa pratensis*)**
.....10.00-10.15
- R8** -Brecht, M., C. Stiles and L. Datnoff*. **Effect of high temperature stress and silicon fertilization on pathogenicity of *Bipolaris cynodontis* and *Curvularia lunata* on Floradwarf bermudagrass.**
.....10.20-10.35
- R9** - Inguagiato, J.C., J.A. Murphy* and B.B. Clarke. **Anthracnose of annual bluegrass putting green turf influenced by trinexapac-ethyl application interval and rate.**10.40-10.55
- R10** - James Patrick Kerns*, H.D. Shew, D.M. Benson, and L.P. Tredway **Impact of irrigation frequency, organic matter content, and creeping bentgrass cultivar on the development of pythium root dysfunction** 11.00-11.15

BREAK..... 11.15 11.40

Chairman: Dr. J. Kerns

- R010** - Kaminski, J.E.* and A.I. Putman. **Safety of bispyribac-sodium on colonial bentgrass and influence on brown patch severity.**11.40-11.55
- R11** - Koch*, P., J. Kerns and J. Stier. **Spring time fungicide applications delay and reduce dollar spot disease of turfgrass in Wisconsin.** 12.00-12.15
- R12** - Miller*, G.L. Jr. and L.P. Tredway. **Selective amplification of Fairy Ring fungi from infested putting green soils.**12.20-12.35
- R13** - Venu, R. C., R.A. Beaulieu, T.L. Graham, A.M. Medina and M.J. **Dollar spot fungus *Sclerotinia homeocarpa* produces oxalic acid.** 12.40 -12.55

RESEARCH PAPERS ROOM 2:

SECTION: CONSERVATION AND ENVIRONMENT

Chairman: Dr. John Cisar

- R1** - Mc Groary*, Pauric C., Samira H. Daroub, Alan L. Wright, John L. Cisar, George H. Snyder and Karen E. Williams. **The effects of irrigation and nitrogen on St. Augustrinegrass color, quality and growth.**10.00-10.15
- R2** - Soldat*, D., W.R. Kussow and S.M. Houlihan. **Field assessment of root zone amendment effects on nutrient leaching from golf putting greens.** 10.20-10.35
- R3** - Rice*, P.J. and B.P. Horgan. **Fungicide and nutrient transport with runoff from creeping bentgrass turf.** 10.40-10.55
- R4** - Rossi*, F.S. and J.A. Grant. **Long term evaluation of reduced chemical pesticide management of golf course putting turf.** 11.00-11.15
- BREAK**..... 11.15 – 11.40

Chairman: Dr. Neil Young

- R5** - Stier*, J. and W. Kussow. **Golf course fairway runoff and leachate unaffected by nascent vegetative buffer strips.** 11.40-11.55
- R6** - Young*, N.G.M., J.L. Cisar, J.E. Erickson, G.H. Snyder, J.B. Sartain and K.E. Williams. **St. Augustinegrass response to nitrogen sources under contrasting application rates and frequency.** 12.00-12.15
- LUNCH**..... 13.00.-14.00

RESEARCH PAPERS ROOM 1:

SECTION: ESTABLISHMENT AND MAINTENANCE

Chairman: Dr. Alejandra Acuña

- R14** - Acuna*, A.A., D.S. Gardner and T.K. Danneberger. **A bioassay technique to measure preemergence activity in turfgrass.**14.10-14.25
- R15** - Aldous*, D.E., J. J. Haydu and R. N. Moir. **Benchmarking the Australian sod industry.**14.30-14.45
- R16** - Bauer*, B.K., R.E. Poulter, A.D. Troughton and D.S. Loch. **Salinity tolerance of twelve hybrid bermudagrass [*Cynodon dactylon* (L.) PERS. X *C. tranzvaalensis* Burt Davy] genotypes.**14.50-15.05
- R17** - Gibbs*, R.J., M.A. Jennings-Temple and K.M. Pollock. **Evaluation of light transmission properties under an Ethylterafluoroethylene (ETFE) structure.**.....15.10-15.25
- R18** - Guertal*, E.A. and D.Y. Han. **Footing assessment of equine event courses.** 15.30-15.45

R19 -Lopez*, F.B. and L.E. Chinnery. **Development of a stimpmeter for cricket fields**..... 15.50-16.05

BREAK..... 16.00 – 16.30

Chairman: Dr. Charles Peacock

R20 - McCauley, R.K., L.B. McCarty*, H. Liu and J.E. Toler. **Optimizing overseed spring transition by integrating mowing height, nitrogen rate and sulfonylurea herbicide use.**16.30-16.45

R21 - Munshaw*, G.C., H.W. Philley and J.S. Beasley. **No-till strategies for converting common bermudagrass (*Cynodon dactylon* L.) to improved seeded cultivars**16.50-17.05

R22 - Rowland, J., J.L. Cisar, G.H. Snyder, J.B. Sartain and A.L. Wright. **Affects of cultural practices on ultradwarf bermudagrass putting green surface properties**..... 17.10-17.25

R23 – Roche*, M.B., D.S. Loch, D.L. Jonothan, C. Penberthy, R. Durant and A.D. Troughton. **Factors contributing to wear tolerance of bermudagrass [*Cynodon dactylon* (L.) PERS., *C. dactylon* x *transvaalensis* Burt-Davey] on a sand-based profile under simulated sports field conditions.** 17.30-17.45

R24 - Stewart*, B.R., G.C. Munshaw, H.W. Philley and D.W. Wells. **Ball marks: Does repair tool influence recovery time?** 17.50.-18.05

RESEARCH PAPERS ROOM 2:

SECTION: GENETICS AND BREEDING

Chairman: Dr. Donald S. Loch

R25 - Loch*, D.S., M.B. Roche, J. Sun-Yue, V. Arief, I.H. Delacy and C.J. Lambrides. **Characterization of Commercial Cultivars and Naturalized Genotypes of *Stenotaphrum secundatum* (Walter) Kuntze in Australia.** 14.10-14.25

R26 -Bradley S. Park, Jonathan M. Bokmeyer, James A. Murphy, Stacy A. Bonos, and William A. Meyer. **Evaluation of tall Fescue under simulated wear.** 14.30-14.45

R27- William Casey Reynolds*, Ruyu Lee, Kanishka de Silva, Arthur H. Bruneau and Rongda Qu. **Field performance of mutant and somaclonal variation lines of St. Augustinegrass [*Stenotaphrum secundatum* (Walt.) Kuntze].** 14.50-15.05

SECTION: EDUCATION AND INFORMATION TECHNOLOGY.

Chairman: Dr. Lambert B. MacCarty

R28 - Liu, H. *, T. Whitwell, D.C. Garrett, L.B. McCarty, S.B. Martin, J. Adelberg, J.E. Brown-Faust and C.M. Baldwin. **Survey of undergraduate turf education and the internship experience.**15.10-15.25

BREAK..... 15.30 – 16.30

SECTION: PESTS

Chairman: Dr. Ali Harivandi

- R29** - Drees,* B.M. **Red imported fire ant management, impact of educational programs and considerations for recent incursions.**16.30-16.45
- R30** -Liesch, P.J. and R.C. Williamson*. **Effects of various turfgrass control agents on feeding preference, development and survival of black cutworm.** 16.50-17.05
- R31** - Reinert*, J.A., M.C. Engelke, A.D. Genovesi, A. Chandra and J. McCoy. **Resistance to tropical sod webworm (*Herpetogramma phaeopteralis*) in St. Augustinegrass and zoysiagrass.**17.10-17.25
- R32** - Reinert*, J.A., J.M. Chantos and S. B. Vinson. **Susceptibility of bermudagrass, St. Augustinegrass and zoysiagrass to colonization by Rhodesgrass mealybug, *Antonina graminis* (Hemiptera: Pseudococcidae)** 17.30-17.45
- R33** - Taschereau, É, L. Simard*, J.Broudeur, J. Gelhaus, G. Bélair and J. Dionne. **Seasonal ecology of the European crane fly (*Tipula paludosa*) and species diversity of the family Tipulidae on golf courses in Quebec, Canada.**..... 17.50-18.05
- R34** - Williamson, R.C.* and S.C. Hong. **Host plant selection and targeted insecticide treatments as alternative approaches to management of black cutworm on golf course putting greens.** 18.10-18.25

TUESDAY 28:

**POSTER EXHIBITION – 09.00-11.30 (Exhibitor beside the poster)
09.00-17.00 (Posters display)**

CONSERVATION/ENVIRONMENTAL QUALITY

- PT-001** Harivandi*, M.A., W.B. Hagan, R. Yokote and K.N. Morris **Fineleaf fescue performance under recycled water irrigation.**
- PT-008** Bauer*, B., R. Poulter, A. Troughton and D. Loch **The use of organic media aids root growth of turfgrass in saline sand.**
- P1** -Baird*, J.H., R.L. Green, S. Mitra, R.V. Plumb, G.J. Klein and J.R. Frelich. **Response of hybrid bluegrass, Kentucky bluegrass and tall fescue to short-term drought recovery in a mediterranean climate**pag. 13
- P2** -Cereti*, C.F., F. Rossini and R. Ruggeri. **Reduction of irrigation on tall fescue and bermudagrass turfs in a Mediterranean environment.**.....pag. 14
- P3** - Johnsen, A.R., B.P. Horgan* and V.W. Cline. **Effect of turf species and sensor orientation to the sun on reflectance measurement.**.....pag. 15
- P4** - Kopp*, K. and K. Guillard. **Quantifying turfgrass-available N from returned clippings using anion exchange membranes.**.....pag. 16
- P5** - Michael S. Hindahl, Eric D. Miltner,* Thomas W. Cook and Gwen K. Stahnke. **Surface water quality impacts from golf course fertilizer and pesticide applications.**.....pag. 18

DISEASES (PLANT PATHOLOGY)

- PT-060** Kammerer* S.J. and P.F. Harmon **The interaction of *Rhizoctonia zae* inoculation and saline water on *paspalum vaginatum* and *cynodon dactylon*.**
- P6-** Anderson, Z.R. and T.W. Fermanian*. **Early detection of Pythium blight and brown patch through multispectral imaging of creeping bentgrass foliage**.....pag. 24
- P7 -** Cook, P.J., P.J. Landschoot* and M. Schlossberg. **Suppression of anthracnose basal rot and improved putting green quality with phosphonate fungicides**.....pag. 27
- P8 -** Fidanza*, M., J. Kaminski, M. Agnew and D. Shepard. **Evaluation of water droplet size and water carrier volume on fungicide performance for anthracnose control on annual bluegrass**...pag. 28
- P9 -** Watkins*, E., S.A. Bonos and W.A. Meyer. **Heritability of brown patch resistance in tall fescue**...pag. 28
- P10 -** Walker*, N.R., S.M. Marek and D.L. Smith. **Fungal biodiversity in bermudagrass (*Cynodon dactylon* × *tranvaalensis*) inoculated with *Ophiosphaerella herpotricha* or *Gaeumannomyces graminis* var. *graminis***pag. 36

ESTABLISHMENT AND MAINTENANCE

- PT-005** Caple*, M.C.J. ,K. Blombäck, and M.J.D. Dufour **A cycle method for measuring machinery fuel consumption.**
- PT-029** James* I. and A. McLeod **The maintenance of synthetic turf.**
- PT-115** Kauffman*, J.M., J.C. Sorochan, D.E. Karcher, M.D. Richardson, T.J. Samples, A.Thoms **Segway and golf car wear on dormant bermudagrass fairways**
- PT-131** Paré, K., W. J. Johnston*, P. Charbonneau, M. H. Chantigny, K. Carey, and J. Dionne **Nitrogen requirement for annual bluegrass, velvet bentgrass, and creeping bentgrass under putting green management in ontario, canada.**
- PT-146** Aamlid T.S. and O. Niemelainen **Evaluation of the plant growth regulator trinexapac-ethyl (Primo maxx®) on nordic golf course greens and fairways**
- P11 -** Carroll*, M.J. **Effect of phosphorus placement on tall fescue establishment**
- P12 -** Cereti*, C.F., F. Rossini and F. Nasseti. **Comparison of tall fescue management programs for a Mediterranean environment**
- P13 -** Hoiberg, A.H., D.D. Minner*, O. Valverde and F.J. Valverde. **Seeding rates of annual ryegrass that maximize turf cover when sown during traffic**
- P14 -** Munshaw*, G.C., H.W. Phillely, J.M. Goatley, Jr., P.D. Gerard and B.R. Stewart. **Timing of seeded bermudagrass establishment affects first winter survival**
- P15 -** Narra, S., T.W. Fermanian* and T.B. Voigt. **A machine vision approach to objective turfgrass texture evaluation**
- P16 -** Slavens*, M.R., A. M. Petrovic and J.J. Barlow. **The impact of recycled water irrigation on soil health and quality of newly established cool season turfgrasses during drought conditions**
- P17 -** St. John, R., J. Fry*, D. Bremer and S. Keeley. **Establishment rate and lateral spread of *Festuca***

arundinacea cultivars

- P18** - Summerford*, J.A., D.E. Karcher, M.D. Richardson, A.J. Patton and J.W. Boyd. **Cultural practice effects on the spring transition of seeded meadow fescue and Tetraploid perennial ryegrass sports fields**
- P19** - Volterrani*, M., N. Grossi, S. Magni, M. Gaetani, F. Lulli, P. Croce, A. De Luca and M. Mocioni. **Evaluation of seven cool season turfgrasses for overseeding a bermudagrass putting green**
- P48** - Mittlesteadt, T.L., J.M. Goatley, S.D. Askew*, K.L. Hensler and W.L. Askew. **Low-impact conversion of cool-season turf to ‘Patriot’ bermudagrass**

GENETICS AND BREEDING

- PT-060-1 Mitra*, S., R. Van Plumb, R. Green and J. Frelich **Comparative performance of hybrid bluegrass, kentucky bluegrass, and tall fescue in southern California.**
- PT-063** Nelson* L. R. and M. A. Foster **Breeding annual ryegrass (*Lolium multiflorum*) and perennial ryegrass (*Lolium perenne*) for salinity tolerance.**
- PT-122** Thoms*, A., J. Sorochan, J. Kauffman, T. Samples, J. Parham, W. Hanna, J. Brosnan **Evaluating the cold tolerance of improved seeded centipedegrass cultivars in the transition zone.**
- P20** - Kubik, C., J. Honig, W.A. Meyer and S.A. Bonos*. **Genetic Diversity of Creeping Bentgrass Cultivars Using SSR Markers**
- P21** - Abeyo B and R. C. Shearman. **Buffalograss (*Buchloe dactyloides*) turfgrass performance and seed yield characteristics**
- P22** - Vergara, G.V. and S.S. Bughrara*. **Potential resistance to gray snow mold in colonial bentgrass germplasm and divergent natural creeping bentgrass clones**
- P23** - Watkins*, E., S.A. Bonos, M.D. Clark and W.A. Meyer. **Ploidy determination of tufted hairgrass germplasm using flow cytometry**

PESTS (INSECTS/NEMATODES)

- PT-081** - Hertl* P.T. and R. L. Brandenburg **Overview of ground pearl research attacking turfgrass in north carolina, USA**
- PT-145** Magunacelaya* J. C. and C. P. Müller **Population dynamics of nematodes from the establishment of a green up to five years old.**
- P24** - Chong*, J.H. and D.M. Park. **Saline irrigation water effects on the abundance of turfgrass arthropods**
- P25** - Hale, T.C., J.A. Reinert* and R.H. White. **Resistance of zoysiagrass (*Zoysia spp.*) to fall armyworm (*Lepidoptera: Noctuidae*): Leaf tensile strength and cell wall components**
- P26** - Mauer, M., J.A. Reinert*, D.L. Auld and S.T. Brewer. **Buffalograss (*Buchloe dactyloides*) resistance to the Rhodesgrass mealybug**
- P27** - Westerdahl, B.B. and M.A. Harivandi*. **Evaluation of nematicides, fungicides, insecticides, molluscicides and fertilizers for nematode management in turfgrass in California**

PHYSIOLOGY AND STRESS PHYSIOLOGY

- PT-047** Blombäck*, K., H. Eckersten and E. Sindhøj **Growth of golf turf as a function of light and temperature under swedish conditions – a simulation study.**
- PT-059** Scalia*, R.G. Russo, F. Grisafi, A. Barone **Drought and salt resistance of two turfgrass species treated with chitosan and glycinebetaine applied foliarly.**
- PT-070** Gibbs* R.J. and M.A. Jennings-Temple **Evaluation of turfgrass performance under an ethyltetrafluoroethylene (etfe) structure.**
- P28** - Baldwin, C.M., H. Liu*, L.B. McCarty, H. Luo and J.E. Toler. **Dormant bermudagrass spring green-up influenced by shade**
- P29** - Bushoven*, J.T. and R.J. Hull. **The site of nitrate assimilation controls the partitioning of photosynthate between roots and leaves of perennial ryegrass (*Lolium perenne* L.)**
- P30** - Ervin*, E. H., A. LaBranche and X. Zhang. **Kentucky bluegrass and creeping bentgrass responses to foliar application of glycinebetaine at three ET replacement levels**
- P31** - Foschi*, L., M.Volterrani, N. Grossi and S. Miele. **Monitoring relative water content in turf with canopy spectral reflectance**
- P32** - den Haan, J., B. Huang*, J.A. Murphy, S. A. Bonos, M. DaCosta and W.A. Meyer. **Morphological and anatomical variations among perennial ryegrass cultivars exposed to wear stress**
- P33** - Howieson, M.J. and N.E. Christians*. **Activities of antioxidant enzymes, efficiency of PSII and lipid peroxidation in mowed creeping bentgrass**
- P34** - Huang*, B. and X. Liu. **Physiological responses of creeping bentgrass to heat stress affected by phosphonate fungicide applications**
- P35** - Krishnan, S. and R. Nelson Brown*. **Na⁺ and K⁺ accumulation in perennial ryegrass and red fescue accessions differing in salt tolerance**
- P36** - Rutledge, J.M., C.H. Peacock*, R.J. Cooper and A.H. Bruneau. **Comparative cold tolerance of selected bermudagrass (*Cynodon* spp.) cultivars**
- P37** - Sarvis III, W.G., H. Liu*, L.B. McCarty and J.E. Toler. **Performance of *Poa trivialis* as overseeded turf under shade conditions**
- P38** - Shahba*,M.A., Y. Qian and S. Wallner. **Influence of Proxy on saltgrass seed germination in saline soils**
- P39** - Studzinska*, A.K., D. Gardner, J. Yan, E. Nangle and T.K. Danneberger. **Development and characterization of transgenic creeping bentgrass transformed with *Arabidopsis* BAS1 gene**
- P40** - Su, K., D.J. Bremer*, S.J. Keeley and J.D. Fry. **Mowing and drought effects on a hybrid bluegrass compared with a Kentucky bluegrass**
- P41** - Zhang*, Q., J. Fry, X. Pan, C. Rajashekar, D. Bremer, M. Engelke, and X. Wang. **Cold acclimation of *Zoysia japonica* and *Z. matrella* and changes in rhizome abscisic acid levels**
- P42** - Zhang*, X., R.E. Schmidt and E.H. Ervin. **Impact of salicylic acid on bermudagrass freezing tolerance associated with abscisic acid and antioxidant metabolism**

SOIL BIOLOGY, CHEMISTRY AND PLANT NUTRITION

- P43** - Blume*, C.J., N.E. Christians and Y.K. Joo. **Nitrogen release timing of organic fertilizers applied to turf**
- P44** - Brede*, A.D. and Emily Bartell. **Cultivar x fertilizer interactions in Kentucky bluegrass and perennial ryegrass turf**
- P45** - Butler*, T. K.W. Frank and J. Bryan. **Growth, nutrition and development of creeping bentgrass in response to phosphate and phosphite application**

SOIL PHYSICS AND ROOTZONE CONSTRUCTION

- PT-034** Shipton, P., M.D. Bartlett* and I.T. James **The relationship between total porosity, rooting and soil biology in cricket pitch soils.**
- PT-076** López* F.B. and L.E. Chinnery. **Surface hardness characteristics of cricket pitches as determined with a clegg hammer.**
- PT-085** Aamlid*, T.S., M. Larsbo and N. Jarvis. **Effects of the non-ionic surfactant revolution and peat amendment on leaching of fungicides and nitrate from golf greens**
- PT-143** Aamlid*, T.S., T.Espevig, T.O. Pettersen, S.L.G. Skar and A. Kvalbein. **Evaluation of the surfactant aqueduct ® for recovery of turfgrass quality on a severely water repellent golf green.**
- P46** - Amoozegar, A., C. Peacock* and C. Niewoehner. **Suitability of an animal waste-based root zone mixture for putting green construction**
- P47** - Blombäck*, K., A. Hedlund and M. Strandberg. **Changes in soil biological and physical parameters of golf green rootzones with differing organic matter content and quality: a six year study**
- P49** - Dest*, W.M., J. S. Ebdon, and K. Guillard. **Differentiating between the influence of wear and soil compaction and their interaction of turfgrass stress**
- P50** - Follis, C.C., S. H. Anderson*, E.H. Ervin and B.S. Fresenburg. **Evaluation of sand-soil root zones amended with calcined clay and zeolite for athletic fields**
- P53** - Lyons*, E.M., K. S. Jordan and K. Carey. **Use of wetting agents to relieve hydrophobicity in sand rootzone putting greens in a temperate climate zone**

WEED SCIENCE

- PT-026** Walker* R.H. and J.L. Belcher **Virginia buttonweed control in hybrid bermudagrass turf.**
- PT-051** Kaapro* J. and J. Hull. **Seasonal variation in the control of *pennisetum clandestinum* with foramsulfuron.**
- PT- 056** Tolley*, M., M. Lees, J. Breuninger, D. Loughner, M.M. Mahady and R.L. Smith. **Penoxsulam herbicide for control of english daisy (*Bellis perennis*) in turfgrass.**
- PT-077** Mosdell*, D.K., D.L. Cox, W.J. Johnston, C.T. Golob, M.W. Williams, E.D. Miltner, R.L. Luchterhand. **Selective removal of creeping bentgrass and conversion to a perennial ryegrass turf stand with mesotrione (Tenacity™) herbicide and inter-seeding.**

- PT-109** Muñoz*, M.P., R. Figueroa, S. Contreras, C.F Mancino, P. J. Sherratt, D.D. Holdren, and J. R Street. **Annual bluegrass control and kentucky bluegrass seed germination as affected by bispyribac-sodium.**
- PT-127** Williams*, M.W., W.J. Johnston, C.T. Golob, J.P. Yenish and E.M. Miltner. **Response of bentgrass and fineleaf fescue species and cultivars to mesotrione applications.**
- P031** Belcher, J. L., G. H. Huckabay, R. H. Walker. **Doveweed germination biology and control in Warm-season turfgrasses**
- P54** - Blume*, C.J. and N.E. Christians. **Mesotrione for preemergence and postemergence control of *Digitaria sanguinalis* in *Poa pratensis***
- P55** - Goddard, M.J.R., S.D. Askew*, B.J. Brecke, J.F. Derr and T.R. Murphy. ***Poa annua* population response to overseeded perennial ryegrass seeding rate and bispyribac-sodium**
- P56** - Goss*, R.M., R.E. Gaussoin and A.R. Martin. **Glyphosate rate-response of common turfgrass weeds**
- P57** - Jester, J.L., S.D. Askew* and B.J. Brecke. **Wet blade technology efficacy in controlling *Trifolium repens* and *Digitaria ischaemum* in turfgrass with herbicides**
- P58** - Stier*, J. and B.P. Horgan. **Sensitivity of Kentucky bluegrass (*Poa pratensis* L.) cultivars to bispyribac-sodium herbicide**
- P59** - Williams*, M.W., W.J. Johnston, J.P. Yenish, E.D. Miltner and C.T. Golob. **Glasshouse evaluation of pre-plant and at planting applications of mesotrione on perennial ryegrass and chewings fescue**

BREAK.....	11.30 – 12.00
LUNCH.....	12.00 – 13.00
MAIN MEETING.....	13.10 – 14.30

- Opening
- Obituary
- Historian Speech
- General and Specific Issues
- Presentation ITRC 2013 – Beijing
- Postulants ITRC 2017
- Balloting

RESEARCH PAPERS ROOM 1:

SECTION: PHYSIOLOGY/STRESS PHYSIOLOGY

Chairman: Dr. L. M. Volterrani

- R35** - Bertrand*, Annick, Y. Castonguay, G. Thibault, P. Rochette, T. Hsiang and J. Dionne. **Greens-type annual bluegrass resistance to abiotic and biotic stresses during winter. 14.30 - 14.45**
- R36** - Hunter*, A.R. Shorten and D. McDonagh. **The effect of supplementary and replacement lighting on turfgrass growth and development 14.50-15.05**

SECTION: SOIL BIOLOGY AND CHEMISTRY / FERTILITY / PLANT NUTRITION

Chairman: Dr .A. D. Brede

- R37 - Aamlid*, T.S., T. Espevig, B. Molteberg, A. Tronsmo, O. M. Eklo, I.S. Hofgaard, G.H. Ludvigsen and M. Almvik. **Disease control and leaching potential of fungicides on golf greens with and without organic amendment to the sand-based root zone.** 15.10 – 15.25
- R38 - Aamlid*, T.S. and H.M. Hanslin. **Evaluation of organic fertilizers and biostimulants on sand-based golf greens and football pitches under Scandinavian climate conditions...** 15.30 – 15.45
- R39 - Barry, T.J., K. Guillard* and S.S. Mangiafico. **Relationships between soil nitrate desorbed from anion-exchange membranes, canopy reflectance and nitrate leaching losses from cool-season lawn turf.**15.50-16.05
- BREAK..... 16.05-16.35**

Chairman: Dr S. J. Keeley

- R40 - Bartlett*, M.D., I.T. James, J.A. Harris and K. Ritz. **Microbiological profiles of golf course soils.**16.35–16-50
- R41 - Fang, W. D. Li*, L. Han and Z. Sun. **Turfgrass tissue analysis using Fourier Transform Infrared Reflectance Spectroscopy.** 16.50-17.05
- R42 - Goldsby. A.L. and Steven J. Keeley*. **Nitrogen source and timing effect on non-structural carbohydrate status of ‘Midlawn’ bermudagrass.**17.05 -17-20
- R43 - Malazian, A., S. Mitra* and P. Dwyer. **Efficacy of a surfactant plus fertilizer on the growth and development of tall fescue.** 17.20-17.35
- R44 - Danesha Seth-Carley, Sarah Davis, Daniel Bowman, Lane Tredway, Thomas Rufty*. **Effluent application to creeping bentgrass in the transition zone: effluent analysis and potential negative effects from salinity and low oxygen.**.....17.35 -17.50

RESEARCH PAPERS ROOM 2:

SECTION: SOIL PHYSICS / ROOT ZONE CHARACTERIZATION

Chairman: Dr. J. T. Brosnan

- R45 - Prämaßing*, W., Anne Reinders, Heinrich Franken and Heinz Schulz. **Physical properties of different turfgrass soils influenced by aeration treatments** 14.30-14.45
- R018 – J.T. Brosnan*, A.S. McNitt, ans T.J. Serensits. **Effects of varying surface characteristics on the hardness and traction of baseball field playing surfaces** 14.50-16.05
- BREAK..... 16.05-16.35**
- R068 - Henderson*, J.J., J.N. Rogers, III and J.R.Crum. **The effects of natural and artificial root zone inclusions on the playing surface characteristics of trafficked Kentucky bluegrass.**.....16.40-16.55
- R110 - Guisasola, I., I. James*, C. Llewellyn, M. Bartlett, V. Stiles and S. Dixon. **Human–surface interactions: an integrated study.**.....17.00-17.15

WEDNESDAY 29:

MEETING AT HOTEL GRAND HYATT SANTIAGO

BUS 1: To

NATIONAL STADIUM - The main soccer field in Chile belonging to the government
http://www.chiledeportes.gov.cl/estadio_nacional.php

CLUB HÍPICO DE SANTIAGO HIPODROME - Horse racetrack neo-french style with *Festuca arundinacea* + *Lolium perenne*. 23.000 horses/year, 86 meetings and 18 races per meeting day
www.clubhipico.cl

LUNCH TIME

CONCHA Y TORO WINERY TOUR www.conchaytoro.cl

BUS 2: To

INDÓMITA WINERY TOUR www.indomita.cl

VALPARAÍSO CITY World Heritage Site – 2003- The key port of Chile, visiting architectural and amazing spots on the hill http://www.rutavalparaiso.cl/web/index_en.htm

LUNCH TIME

LA SEBASTIANA NERUDA'S HOUSE

BAY PROMENADE

CLUB DE CAMPO GRANADILLA- Golfcourse with Kikuyu grass on it www.granadilla.cl

BUS 3: To

MAPOCHO GOLF CLUB: American style with *Lolium perenne* on fairways and SR1920 *Agrostis stolonifera* on greens www.golfmapocho.cl

TARAPACÁ WINERY TOUR www.tarapaca.cl

LUNCH TIME

SOD FARM VISIT Sod farm company with many grasses stands www.newgrass.cl

BUS 4: To

SKY RESORT VALLE NEVADO: outstanding sky resort... shoes, skies and tickets under rental
www.vallenevado.cl

THURSDAY 30:

10.00 – 10.30 Sr. Ing. Agr. Alejandro Lavista “The last 10 years of turfgrass development in Argentina Chile and Uruguay”

BREAK..... 10.30 -11.00

11.00 - 11.30 - A.H. Wissemeier, W. Weigelt and Reinhardt. Haehndel* “Ammonia volatilization losses and N-efficiencies of different turfgrass fertilizers in laboratory studies and pot trials in the open” - BASF Agricultural Center Limburgerhof, D-67117 Limburgerhof, Germany

11.40 – 12.15 – Harold Mayne-Nicholls – “What is FIFA doing on the South Cone of America” (to be confirmed)

LUNCH.....12.15 – 13.15

BANQUET.....18:30-12:00

**Meeting Point 18.00 at HOTEL GRAND HYATT SANTIAGO
(Avda. Kennedy 4601 Ph. 950 1234)**

**BANQUET at: ENOTECA CAMINO REAL RESTAURANT
San Cristobal Hill**

FRIDAY 31:

RESEARCH PAPERS ROOM 1:

SECTIONº: WEED SCIENCE

Chairman: Dr. Philip Busey

R46 - Askew*, S.D. and T.R. Murphy. Relative mobility of transition-assisting herbicides.
..... 10.00-10.15

R47 - Busey*, P. Irrigation interval and herbicide reduces Dollarweed (*Hydrocotyle umbellata*) in St. Augustinegrass (*Stenotaphrum secundatum*) turf.....10.20 – 10.35

R48 - Busey*, P. Proliferation and detection of contamination in turfgrass vegetative propagation..... 10.40-10-55

R50 - McElroy*, J.S. *Poa annua* control in bermudagrass turf with nicosulfuron-rimsulfuron mixtures.11.00-11.15

R51 - Willis, J.B. and Shawn D. Askew*. Foramsulfuron applied before and during establishment of seeded bermudagrass.....11.20 - 11.35

BRUNCH..... 11.40 – 12.40

BOARD MEETING..... 14.00 - 16.00