



**Southern Division of the American Phytopathological
Society
87th Annual Meeting Program
February 7-8, 2010
Wyndham Orlando Resort, Orlando, FL**

Sunday, February 7

8:00-3:30 Registration (Palms Ballroom Salon B Foyer)

8:30-8:40 Welcome – Robert Kemerait, SDAPS President (Palms Ballroom Salon B)

SYMPOSIUM: “The Enemy Within: Current Status and Future Outlook for Diseases Caused by Fastidious Vascular Plant Pathogens” - Boyd Padgett, SDAPS President-Elect, presiding (Palms Ballroom Salon B)

8:40-9:05 “Evolutionary emergence and lineage divergence of phytoplasmas: genomic markers for identification, classification, and taxonomy”. Y. ZHAO, USDA-ARS-Plant Sciences Institute - Molecular Plant Pathology Lab, Bldg 004 BARC-West, 10300 Baltimore Avenue, Beltsville, MD, 20705-0000.

9:05-9:30 "Current status and future of HLB." T. GOTTWALD (1), M. Irey (2), A. Bergamin-Filho (3), and R. Bassanezi (4). (1) USDA-ARS, 2001 South Rock Road, Fort Pierce, Florida; (2) Southern Gardens Citrus, US Sugar Corp., Clewiston, Florida; (3) ESALQ, Universidade de São Paulo, Brazil; (4) Fundecitrus, Araraquara, Brazil.

9:30-9:55 “Zebra chip of potato: current status and future outlook.” C. M. RUSH, D. Henne and F. Workneh, Texas A&M Agriculture Experiment Station, 2301 Experiment Station Road, PO Box 10, Bushland, TX 79012-0010.

9:55- 10:10 **Break**

10:10-10:35 “Management strategies for Pierce’s Disease: an increasing threat to grape production in the Southern U.S.” D. HOPKINS, University of Florida, IFAS, 2725 Binion Road, Mid-Florida Research and Education Center, Apopka, FL 32703-8504.

10:35-11:00 “Bacterial leaf scorch of blueberries: a new threat to the southeastern industry.” P.M. BRANNEN (1), L. Nissen (1), T. Denny (1), C.J. Chang (2), and M. Tertuliano (3). (1) Department of Plant Pathology, University of Georgia, Athens, GA (2) Department of Plant Pathology, University of Georgia, Griffin, GA (3) Department of Entomology, University of Georgia, Tifton, GA.

11:00-11:30 Discussion

STUDENT PRESENTATIONS – Kenneth Seebold, SDAPS Past-President, presiding (Palms Ballroom Salon B)

11:30-11:45 Comparison of soybean seedling diseases in two field soils under controlled environmental conditions. **K. E. Urrea**, J. C. Rupe and C. S. Rothrock, Department of Plant Pathology, University of Arkansas, Fayetteville, AR.

11:45-12:00 Redbud yellow ringspot disease: thirty years of research. **A. G. Laney**, I. E. Tzanetakis and R. C. Gergerich. Department of Plant Pathology, University of Arkansas, Fayetteville, AR.

12:00-1:00 **Lunch** (on your own)

STUDENT PRESENTATIONS – Kenneth Seebold, SDAPS Past-President, presiding (Palms Ballroom Salon B)

1:00-1:15 Comparative evaluation of the survivability of *Acidovorax avenae* subsp. *citruilli* in stored seeds. **B. Dutta** and R. Walcott, Department of Plant Pathology, University of Georgia, Athens, GA.

1:15-1:30 Evaluation of *Pasteuria usage* as a biological control of sting nematode (*Belonalaimus longicaudatus*). **J. H. Campbell**, J. L. Starr and K. L. Ong. Department of Plant Pathology & Microbiology, Texas A&M University, College Station, TX.

1:30-1:45 Effect of temperature on latent period of *Stagonospora nodorum* blotch on winter wheat under field conditions. **A. D. Zearfoss** (1), C. Cowger (1,2) and P. S. Ojiambo (1). (1) Department of Plant Pathology and (2) USDA-ARS, North Carolina State University, Raleigh, NC 27695.

1:45-2:00 Quantitative modeling of the effects of temperature and wetness duration on germination and infection of cantaloupe by *Pseudoperonospora cubensis*. **K. N. Neufeld** and P. S. Ojiambo. Department of Plant Pathology, North Carolina State University, Raleigh NC 27695.

- 2:00-2:15 Histopathology of 'rapid blight', a disease caused by *Labyrinthula terrestris* on cool-season turfgrasses. **K. K. Yadagiri** and J. L. Kerrigan, Dept of Entomology, Soils, and Plant Sciences, Clemson University, Clemson, SC 29634.
- 2:15-2:30 Screening Gulf Coast forest species for susceptibility to *Phytophthora ramorum*. **J. A. Preuett** (1), D. J. Collins (1), T. L. Widmer (2) and D. G. Luster (2). (1) Southern University and A&M College, Urban Forestry Program, Baton Rouge, LA, (2) USDA/ARS Foreign Disease-Weed Science Research Unit, Fort Detrick, MD.
- 2:30-2:45 **Break**
- 2:45-3:00 Effect of cotton cultivar selection on soil populations of *Fusarium oxysporum* f. sp. *vasinfectum*. **S. Chawla** (1), J. E. Woodward (2) and T. Wheeler (3), (1) Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, 79409, (2) Texas Tech University, Lubbock, TX, 79409 & Texas AgriLife Extension Service, Texas A&M System, Lubbock, TX, 79403, (3) Texas AgriLife Research, Texas A&M System, Lubbock, TX, 79403.
- 3:00-3:15 Characterization of rice blast resistance gene *Pi-z(t)* in rice germplasm using DNA markers and pathogenicity assays. **M. Roy-Chowdhury** (1), Y. Jia (2), A. Jackson (2), M. Jia (2), R. Fjellstrom (2) and R. Cartwright (1), (1) University of Arkansas, Cell and Molecular Biology Program, Fayetteville, AR 72701, (2) USDA-ARS, Dale Bumpers National Rice Research Center, Stuttgart, AR 72160.
- 3:15-3:30 Effect of southern root-knot nematode (*Meloidogyne incognita*) on cotton growth, yield and fiber quality. **P. Lu** (1), R. C. Kemerait (1), C. D. Perry (1) and R. F. Davis (2), (1) University of Georgia, Tifton, GA, (2) USDA-ARS, Tifton, GA.
- 3:30-3:45 Etiology of zoysiagrass diseases in northwest Arkansas. **T. N. Spurlock** and E. A. Milus, Department of Plant Pathology, University of Arkansas, Fayetteville, AR.
- 4:00-6:00 **SAAS Opening and General Session** (Jasmine)
- 6:00–10:00 **SAAS Reception** (Poolside Pavilion / Gardenroom)
- 6:00-7:00 **SDAPS Executive Committee Meeting** (Executive Boardroom)

Monday, February 8

8:00-11:30 Registration (Palms Ballroom Salon B Foyer)

8:45 Announcements – Robert Kemerait, SDAPS President (Palms Ballroom Salon B)

CONTRIBUTED PAPERS – David Langston, SDAPS Vice-President, presiding (Palms Ballroom Salon B)

8:45-9:00 Development of a screening protocol for assessing baseline sensitivity to fungicides for *Phakopsora pachyrhizi*, the soybean rust pathogen. N. A. Ward, **R. W. Schneider**, C. G. Giles and C. L. Robertson, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA.

9:00-9:15 Baseline sensitivity to fluopicolide in *Phytophthora capsici* isolates from the eastern United States. **A. P. Keinath** (1), E. Fillippeli (1), M. K. Hausbeck (2) and C. Kousik (3), (1) Clemson Coastal REC, Charleston, SC, (2) Michigan State University, East Lansing, MI, (3) USDA, ARS, Charleston, SC.

9:15-9:30 Occurrence of boscalid-insensitive isolates of *Didymella bryoniae* in commercial watermelon fields in South Carolina. **A. P. Keinath** and E. Fillippeli, Clemson Coastal REC, Charleston, SC.

9:30-9:45 Efficacy of fungicides applied in furrow for peanut disease control. **T. B. Brenneman** and J. Augusto, Department of Plant Pathology, University of Georgia, Tifton, GA 31794.

9:45-10:00 Implications of fungicide application timings and irrigation on disease control and peanut yield. **J. Augusto** and T. Brenneman, Department of Plant Pathology, University of Georgia, Tifton, GA 31794.

10:00-10:15 Effects of chlorothalonil and dodine applied alone and in combination with systemic fungicides on late leaf spot of peanut. **A. K. Culbreath**, T. B. Brenneman and R. C. Kemerait, University of Georgia, Tifton, GA.

10:15-10:30 **Break**

10:30-10:45 Efficacy of strobilurin fungicides and host resistance for control of gray leaf spot of corn. **M. A. Newman**, University of Tennessee, Jackson, TN.

- 10:45-11:00 MeloCon WG[®] and SoilGard 12G[®] used in a program as a methyl bromide alternative to control nematodes and soil borne diseases in fruiting vegetables. **H. B. Highland**, Certis USA, 1069 Eisenhower Dr., Nokomis, FL.
- 11:00-11:15 Characterization of interacting genes with the rice blast fungus avirulence gene *AVR-Pita*. **J. Xing** (1), S. Lee (2), Y. Jia (2) and L. Yuan (1), (1) Central South University, Changsha, P.R. China, (2) Dale Bumpers National Rice Research Center, Stuttgart AR, USA.
- 11:15-11:30 Yield loss associated with sheath blight disease of rice. **C. A. Hollier** (1) and D. E. Groth (2), (1) Department of Plant Pathology and Crop Physiology, LSU Agricultural Center, Baton Rouge, LA, (2) Rice Research Station, LSU Agricultural Center, Crowley, LA.
- 11:30-11:45 Cellular mechanisms that indicate needle health of seedlings of loblolly pines. **C. Walkinshaw**, USDA Forest Service, Pineville, LA.
- 11:45-1:15 **Lunch** (on your own)
- 11:45-1:15 **Graduate Student Luncheon** by invitation only (Cedar/Marathon)

CONTRIBUTED PAPERS – Boyd Padgett, SDPAS President-Elect, presiding (Palms Ballroom Salon B)

- 1:15-1:30 Components of resistance to *Cercospora arachidicola* in medium maturity peanut varieties with moderate early leaf spot resistance in the field. **E. G. Cantonwine** (1), A. K. Culbreath (2), D. Baskin (1) and D. Murphy (1), (1) Valdosta State University, Valdosta, GA, (2) University of Georgia, Tifton, GA.
- 1:30-1:45 Pod yield of peanut breeding lines from fields infested with *Sclerotinia minor* or *Verticillium dahlia*. **J. E. Woodward** (1), M. R. Baring (2), C. E. Simpson (3) and T. A. Baughman (4), (1) Texas AgriLife Extension Service Lubbock, TX, (2) Texas AgriLife Research College Station, TX, (3) Texas AgriLife Research Stephenville, TX, (4) Texas AgriLife Extension Service Vernon, TX.
- 1:45-2:00 Genetic diversity of the *Sclerotinia homoeocarpa* population in Florida. **D. Liberti**, G. T. Cooper, J. A. Rollins and P. F. Harmon, University of Florida, Plant Pathology Department, Gainesville, FL.
- 2:00-2:15 Epidemiology of soybean rust in soybean sentinel plots in Florida. **H. M. Young** (1), J. J. Marois (1), D. L. Wright (1), D. F. Narváez (2) and G. K. O'Brien (1), (1) University of Florida, NFREC, Quincy, FL, (2) Monsanto Co., St. Louis, MO.

- 2:15-2:30 **Break**
- 2:30-2:45 **APS Update.** Dr. Barbara Christ, APS President, College of Agricultural Sciences, Pennsylvania State University.
- 2:45-4:00 **SDAPS Business Meeting,** Robert Kemerait, SDAPS President, presiding (Palms Ballroom Salon B)
- 6:00-9:00 **SDAPS Social (cash bar), Banquet, and Southern Division deBary Bowl** (Jasmine)