

**DECEMBER 2008**

## DATES TO REMEMBER

### January 16, 2009

- ☞ Deadline for room reservations at Westin Peachtree Plaza (5 PM EST)

### January 30, 2009

- ☞ Deadline for receiving advance registration and \$45 abstract payment (Abstract will cost \$55 if paid at the meeting) – Register online with a credit card or send a check to Tom Isakeit

### February 1-2, 2009

- ☞ 86<sup>th</sup> Annual SDAPS Meeting, Westin Peachtree Plaza, Atlanta, GA. (Meeting in conjunction with SAAS).

## 86<sup>TH</sup> SDAPS MEETING HOTEL

The official meeting hotel:

### **The Westin Peachtree Plaza**

**210 Peachtree Street N.W., Atlanta, GA**

Phone: 404-659-1400 or 800-937-8461

Group Room Rates:

Single and Double Rooms - \$144/night

Triple and Quad Rooms - \$164/night

Call toll free number above and ask for the Southern Association of Agricultural Scientists group rate.

Check in is 3:00 pm - Check out is Noon. **There will be a \$75.00 charge if you check out earlier than your reserved checkout date, unless you advise the hotel at or before check-in.**

Cancellations must be made three (3) days prior to check-in date or a one-day fee will be charged.

Complimentary: High speed internet access in sleeping rooms; local and 1-800 calls; access to health club and pool; and discount valet parking.

For more information about the SAAS meetings, see: <http://www.saasinc.org/2009-Atlanta/09-MainPg.asp>

See <http://www.saasinc.org/2009-Atlanta/09-MiscInfo.asp> for more information about Atlanta and its attractions.

## MEETING REGISTRATION

The registration fee is **\$100 and \$5 for students**. Students participating in the graduate student paper competition have **free** registration.

The fee allows for attendance at other SAAS meetings.

There are two advance payment options:

(1) Online with a credit card, at the link at the Southern Division website;

(2) Send a check and the registration form on page 7 of this newsletter to:

c/o Tom Isakeit, SD/APS Secretary Treasurer, Dept. of Plant Pathology and Microbiology, 2132 TAMU, Texas A&M University, College Station, TX 77843-2132.

**Make the check payable to: "APS/SD".**

**The deadline for receiving advance payment is Jan. 30, 2009.**

You will be sent an electronic receipt.

At the meeting, you can pay by check (preferred) or cash (not preferred), **BUT NO CREDIT CARDS!**

# 86<sup>TH</sup> SDAPS MEETING PROGRAM

**Sunday, February 1, 2009**

8:00-4:00 Registration (International Room B)

9:00-9:10 Welcome – Kenny Seebold, SDAPS President (International Room B)

**SYMPOSIUM: Not to Be Ignored: New and Emerging Rust Diseases Threatening Crop Production – Robert Kemeraït presiding** (International Room B)

9:10-9:35 “Recent advances in systematics, taxonomy, and evolution of rust fungi (Pucciniales) and their relatives.” M. Catherine Aime, Assistant Professor, Dept. of Plant Pathology and Crop Physiology, Louisiana State University AgCenter, Baton Rouge, LA 70803.

9:35-10:00 "Asian soybean rust 4 years later: Is the disease a nonstarter or are we still at risk?" Raymond Schneider, Professor, Dept. of Plant Pathology and Crop Physiology, Louisiana State University AgCenter, Baton Rouge, LA 70803.

10:00-10:25 “The impact of rust diseases on the ornamental industry.” James Buck, Associate Professor, Dept. of Plant Pathology, University of Georgia, Griffin, GA, 30223.

10:25-10:40 **Break**

10:40-11:05 “Issues facing management of southern corn rust in the southeastern United States.” William Dolezal, Research Fellow - Plant Pathology, Pioneer Hi-Bred International, Inc., Johnston, IA 50131.

11:05-11:30 “The threat of Ug99 stem rust and efforts towards breeding for resistance in wheat and barley germplasm.” David Marshall, Location Coordinator and research Leader, USDA/ARS, Raleigh, NC 27695-7616.

11:30-12:00 Discussion

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

**Student presentations**, – Chris Clark, SDAPS Past-President, presiding (International Room B)

1:00-1:15 Pathogenicity evaluations of nematophagous fungi to control the reniform nematode (*Rotylenchulus reniformis*) under microplot conditions. J.D. CASTILLO and K.S. Lawrence, Auburn University, Entomology and Plant Pathology Department, Auburn, AL.

1:15-1:30 Real-time PCR-based detection and quantification of *Cercospora kikuchii* in soybean plants. A.K. CHANDA, Z. Chen, and R.W. Schneider, Louisiana State University Agricultural Center, Baton Rouge, LA.

1:30-1:45 Efficacy of brassica amendments for cotton disease management. K.A. COCHRAN and C.S. Rothrock, University of Arkansas, Fayetteville, AR.

1:45-2:00 Epidemiological relevance of seed detection assay to seedling transmission threshold for bacterial fruit blotch in watermelon. B. DUTTA, L. Genzlinger, and R. Walcott, Dept. of Plant Pathology, University of Georgia, Athens, GA.

2:00-2:15 Comparative analysis of copper tolerance testing methods in *Xanthomonas axonopodis* pv. *vesicatoria*. J.E. GARTON, D.B. Langston, and F.H. Sanders, University of Georgia, Coastal Plain Expt. Station, Tifton, GA.

2:15-2:30 Characterization of cucurbit powdery mildew in north Florida. G.S. MAIA and A.J. Gevens, University of Florida, Dept. of Plant Pathology Gainesville, FL.

2:30-2:45 The effect of *Pythium* spp. and cold storage on the survival of longleaf pine seedlings after outplanting. D. JACKSON, S.A. Enebak, and D.B. South, School of Forestry and Wildlife Sciences, Southern Forest Nursery Management Cooperative, Auburn University, AL.

2:45-3:00	Biological control of bacterial fruit blotch pathogen on watermelon seed and blossoms using an <i>Acidovorax avenae</i> subsp. <i>citrulli</i> type three secretion mutant. K.L. JOHNSON (2), J. Minsavage (1), T. Le (2), and R. Walcott (2), (1) University of Florida, Dept. of Plant Pathology, Gainesville, FL and (2) University of Georgia, Dept. of Plant Pathology, Athens, GA.	4:30-4:45	Auburn University, Entomology and Plant Pathology Dept., Auburn, AL. and (2) Universidad de Antioquia, Medellín, Colombia.
3:00-3:15	Evaluation of commercially available plant growth-promoting rhizobacteria (PGPR) and plant extracts on sheath blight disease of rice caused by <i>Rhizoctonia solani</i> . K.K. KUMAR (2), S. Raju (1), M. Reddy (2), K.S. Lawrence (2), and J.W. Kloepper (2), (1) Andhra Pradesh Rice Research Institute, Maruteru, India and (2) Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.	4:45-5:00	FAME Analysis as an alternative means for distinguishing <i>Meloidogyne</i> species and races. N.S. SEKORA (2), K.S. Lawrence (2), P. Agudelo (3), E. Van Santen (1), and J.A. Mcinroy (2). (1) Auburn University Department of Agronomy and Soils, Auburn, AL; (2) Auburn University Department of Entomology and Plant Pathology, Auburn, AL; and Clemson University Department of Entomology, Soils, and Plant Sciences, Clemson, SC.
3:15-3:00	<b>Break</b>	5:00-5:15	Detection limits and relative abundance of <i>Aspergillus flavus</i> in microbial communities of peanut soils. H. SUDINI, R.N. Huettel, K. Bowen, and C. Arias, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.
3:30-3:45	The virulence of four root-inhabiting blue-stain fungi to southern pine seedlings. G. MATUSICK and L.G. Eckhardt, School of Forestry and Wildlife Sciences, Auburn University, Auburn, AL.	5:15-5:30	Efficacy of endophytes in the management of leaf blight disease of amaranth, plant growth promotion and in inducing systemic resistance. S. UPPALA (1), B. Saralamma (2), K. L. Bowen (1), and M. Ch. (2), (1) Auburn University, Entomology and Plant Pathology Dept., Auburn, AL. and (2) Kerala Agricultural University, Thrissur, Kerala, India.
3:45-4:00	Optimal timing of preventative fungicide applications for fairy ring caused by <i>Vascellum pretense</i> in creeping bentgrass putting greens. G.L. MILLER and L.P. Tredway, Dept. of Plant Pathology, North Carolina State University, Raleigh, NC.	5:30-5:45	Uredinia of Asian soybean rust as a unique niche for other fungi. N. WARD, R. Schneider, and M.C. Aime, LSU AgCenter, Baton Rouge, LA.
4:00-4:15	Effects of soil types on the reproduction of <i>Rotylenchulus reniformis</i> in cotton. S.R. MOORE and K.S. Lawrence, Auburn University, Entomology and Plant Pathology Dept., Auburn, AL.	6:00-7:00	Improving deposition and control of peanut diseases with early morning and evening fungicide sprays. J. AUGUSTO (1), T.B. Brenneman (1), P. Sumner (2), A.K. Culbreath (1), A.S. Csinos (1). (1) Dept. Plant Pathology and (2) Dept. Biological and Agricultural Engineering, University of Georgia, Tifton, GA 31793.
4:15- 4:30	Changes in chrysanthemum rhizosphere bacteria related to steam treatment and reduced plant growth. C. RAMÍREZ (1), A. Suárez, M. Ramírez (2), J. Pérez (2), N. Cardona (2), and J. Calle (2), (1)	<b>SDAPS Executive Committee Meeting</b> (Boardroom)	

3:30-5:00      **SAAS Opening and General Session**  
(Vinings I & 2)

5:00-10:00    **SAAS Reception** (Peachtree Ballroom)

**Monday, February 4, 2008**

8:00-11:30 Registration (International Room B)

8:30 Announcements – Kenny Seebold,  
SDAPS President (International Room  
B)

**Contributed papers – Boyd Padgett presiding**  
(International Room B)

8:30-8:45 Applications of Benlate systemic  
fungicide on banana reduce plant growth  
and increase endophytic bacteria. J.W.  
KLOEPPER and C. Ramirez, Auburn  
University, Entomology and Plant  
Pathology Dept., Auburn, AL.

8:45-9:00 Treatment of leatherleaf fern with Benlate  
systemic fungicide increases populations  
of total and alleopathic endophytic  
bacteria. J.W. KLOEPPER and J.A.  
McInroy, Auburn University, Entomology  
and Plant Pathology Dept., Auburn, AL.

9:00-9:15 Association of fern distortion syndrome  
with endophytic bacteria and the use of  
Benlate. J.W. Kloepper and J.A. McInroy,  
Auburn University, Entomology and Plant  
Pathology Dept., Auburn, AL.

9:15-9:30 Control of forest nursery seedling diseases  
of *Pinus* spp. with Proline 480 SC. T.E.  
STARKEY and S.A. Enebak, School of  
Forestry and Wildlife Sciences, Southern  
Forest Nursery Management Cooperative,  
Auburn University, AL.

9:300-9:45 Measurement of numbers of starch grains  
and cambial cells in roots of loblolly  
pines. C.H. WALKINSHAW, Emeritus,  
USDA Forest Service, Pineville, LA.

9:45-10:00 **BREAK**

10:00-10:15 Effects of fumigants and in-furrow  
fungicides on *Verticillium* wilt  
development in peanut. J. E.  
WOODWARD (1), T. A. Wheeler (2), S.  
A. Russell (1), M. G. Cattaneo (1), and  
T. A. Baughman (1). (1) Texas AgriLife  
Extension Service; (2) Texas AgriLife  
Research, Texas A&M System, Lubbock,  
TX 79403.

10:15-10:30 Application of flutriafol and other  
fungicides via drip irrigation for control  
of cotton root rot caused by  
*Phymatotrichopsis omnivora*. T.  
ISAKEIT (1), R. Minzenmayer (2), and  
C. Sansone (3), (1) Dept. of Plant  
Pathology, Texas A&M University,  
College Station, TX and Texas AgriLife  
Extension (2) Ballinger, TX and (3) San  
Angelo, TX

10:30-10:45 Efficacy of *Bacillus mycoides* isolate J on  
pecan scab. T. B. BRENNEMAN.  
Department of Plant Pathology, University  
of Georgia, Tifton, GA 31794.

10:45-11:00 Impact of plant-parasitic nematodes on  
corn in Georgia. R.C. Kemerait (1), H.  
Sanders (1), M. Toews (2), R. Ethredge  
(3), W.E. Harrison (4), B. Mitchell (4)  
and T. Flanders (5), (1) Univ. of Georgia,  
Dept. of Plant Pathology, Tifton, GA; (2)  
Univ. of Georgia, Dept. of Entomology,  
Tifton, GA; (3) UGA Cooperative  
Extension, Donalsonville, GA; (4) UGA  
Cooperative Extension, Camilla, GA; (5)  
UGA Cooperative Extension, Nashville,  
GA.

11:00-11:15 Modeling acibenzolar-S-methyl field  
application for TSWV management in  
tobacco. A.S. CSINOS, S.W. Mullis,  
and L. Hickman, University of Georgia,  
Coastal Plain Expt. Station, Tifton, GA.

11:15-11:30 Effect of seeding rate on spotted wilt  
incidence in new peanut cultivars and  
breeding lines. A. CULBREATH (4),  
W. Branch (3), C. Holbrook (1), and B.L.  
Tillman (2), (1) USDA Crop Genetics &  
Breeding, Coastal Plain Expt. Station,  
Tifton, GA; (2) Univ. of Florida, North  
Florida REC, Marianna, FL; (3) Univ. of  
Georgia, Crop & Soil Science Dept.,  
Tifton, GA; (4) Univ. of Georgia, Dept.  
of Plant Pathology, Tifton, GA.

11:30-11:45 Soil fertility related to *Tomato spotted  
wilt virus* in tobacco. R. GITAITIS (1),  
C. Nischwitz (1), S.W. Mullis (1), A.  
Csinos (1), D. Burrell (2), and M. Pearce  
(2), (1) Dept. of Plant Pathology, Coastal  
Plain Expt. Station, University of  
Georgia, Tifton, GA and (3) National

Onion Labs, Inc, Collins, GA

11:45-12:00 Changes in chrysanthemum rhizosphere bacteria related to steam treatment and reduced plant growth. C. RAMÍREZ (1), A. Suárez, M. Ramírez (2), J. Pérez (2), N. Cardona (2), and J. Calle (2), (1) Auburn University, Entomology and Plant Pathology Dept., Auburn, AL. and (2) Universidad de Antioquia, Medellín, Colombia.

12:00-1:15 **Lunch** (on your own)

12:00-1:15 **Graduate Student Luncheon** by invitation only

Contributed papers – Jason Woodward, presiding  
(International Room B)

1:15-1:30 First report of tomato yellow leaf curl virus in Kentucky. K.W. SEEBOLD (1), P. De Sa (2), and P. Vincelli (1), University of Kentucky (1) Plant Pathology Dept. and (2) Dept. of Plant and Soil Science, Lexington, KY.

1:30-1:45 Characterization of developmental mutants of *Fusarium graminearum*. S.M. CATLETT, K.M. Gerberich, S.H. Johnson, and J.E. Flaherty, Coker College, Hartsville, SC.

1:45-2:00 Determination and compatibility of putatively hypovirulent and virulent isolates of *Cryphonectria parasitica* collected from the Great Smoky Mountains National Park. D.F. MCNEILL, Mississippi State University, Starkville, MS.

2:00-2:15 Taxonomy of the pecan scab fungus based on the cytochrome b gene sequence. M. Seyran (1), C. Nischwitz (2), K. Lewis (1), R. GITAITIS (1), K. Stevenson (1), and T. Brenneman (1), (1) Dept. of Plant Pathology, University of Georgia, Coastal Plain Experiment Station, Tifton, GA and (2) Department of Plant Sciences, Division of Plant Pathology and Microbiology, University of Arizona, Tucson, AZ.

2:15-2:30 Genetic structure of *Sclerotinia homoeocarpa* populations from turfgrasses

in North America, Asia and Europe. T.A. TAYLOR, I. Carbone, and L.P. Tredway, North Carolina State University, Dept. of Plant Pathology, Raleigh, NC.

2:30-2:45 Molecular and biochemical characterization of two PR10 proteins from *Zea mays*. Y. XIE (1), Z. Chen (1), R. Brown (2), and T. Cleveland (2), (1) Louisiana State University, Baton Rouge, LA, USA and (2) Southern Regional Research Center, USDA-ARS, New Orleans, LA.

3:15-3:45 **APS Update.** Dr. James Moyer, APS president, Dept. of Plant Pathology, North Carolina State University, Raleigh, NC

4:00-5:00 **SDAPS Business Meeting**, Kenny Seebold, SDAPS President, presiding (International Room B)

6:00-9:00 **SDAPS Social (cash bar) and Southern Division deBary Bowl** (Plaza Ballroom)

## SOUTHERN DIV. OFFICERS

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## SDAPS DUES

SDAPS dues are \$5.00 for members and associate members (excluding retired plant pathologists who are considered honorary members) and \$3.00 for student members. Dues may be sent to the SDAPS Secretary/Treasurer or paid with your APS dues.



# Southern Division

of the American Phytopathological Society

## 86<sup>TH</sup> SDAPS Meeting Registration Form

### February 1-2, 2009

### Atlanta, GA

Remit to:

C/o: Thomas Isakeit  
SDAPS Secretary-Treasurer,  
Dept. Plant Pathology and  
Microbiology 2132 TAMU  
Texas A&M University  
College Station, TX 77843-2132

**Phone:** (979) 862-1340  
**FAX:** (979) 845-6483

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Phone:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

#### REGISTRATION FEES:

**\$100 - REGULAR**

**\$5 - STUDENT**

AMOUNT REMITTED: \_\_\_\_\_ MAKE CHECK PAYABLE TO "APS/SD"