



AMERICAN PHYTOPATHOLOGICAL SOCIETY **SOUTHERN DIVISION NEWSLETTER**

JANUARY 2011

DATES TO REMEMBER

January 21 2011

- ☞ Deadline for room reservations at Omni Hotel Bayfront Tower (5 PM CST)

January 28, 2011

- ☞ Deadline for receiving advance registration – see section on Meeting Registration for more information.

February 6-7, 2011

- ☞ 88th Annual SDAPS Meeting, Omni Hotel Bayfront Tower, Corpus Christi, TX. (Meeting in conjunction with SAAS).

88TH SDAPS MEETING HOTEL

The official meeting hotel:

Omni Hotel Bayfront Tower

900 North Shoreline Blvd., Corpus Christi, TX 78401

Phone: 361-880-6738 or 800-843-6664

Group Room Rates:

Single and Double Rooms - \$124/night

Triple and Quad Rooms - \$134/night

Call toll free number above and use the following reservation code: **14500809955**.

Check in is 3:00 pm - Check out is 12:00 pm.

Cancellations must be made prior to noon on the day of check-in.

Complimentary Services: In-room high speed internet access; local and 1-800 calls; access to fitness center and pools.

Airport Transportation: The hotel provides complimentary airport shuttle service that runs on the half hour from 4:30 am until midnight.

Parking: \$9.00/day (self); \$14.00/day (valet).

For more information about the SAAS meetings, see:
<http://www.saasinc.org/2011-CorpusChristi/WelcomePg.asp>

See <http://www.saasinc.org/2011-CorpusChristi/Misc.asp> for more information about Corpus Christi and its attractions.

MEETING REGISTRATION

The registration fee is **\$120 and \$5 for students**. Students participating in the graduate student paper competition have **free** registration. The registration fee allows for attendance at other SAAS meetings.

Note: Online registration will not be available for the 2011 meeting.

You can register for the meeting via fax, mail, or phone (new this year) as follows:

By Phone: Call APS Headquarters at 1.800.481.2698 (toll free in U.S.) or 1.651.454.7250 (Canada, Int'l) to register. Your registration can be processed in less than one minute with a credit card and a receipt will be e-mailed to you!

By Fax/Mail: Please visit the Southern Division website: <http://www.apsnet.org/members/divisions/south/meetings/Pages/2011APSSouthernDivisionMeeting.aspx> to print a Meeting Registration Form that can be faxed or mailed to APS Headquarters. If paying by check, please make it payable to: "APS/SD".

We do not recommend sending your credit card information via e-mail since it is not secure. Please fax, phone, or mail your credit card information.

The deadline for receiving advance payment is Jan. 28, 2010.

You will be sent an electronic receipt.

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

88TH SDAPS MEETING PROGRAM

Sunday, February 6

7:30-3:30 Registration (Bayfront Preassembly Area)

8:00-8:10 Welcome – Boyd Padgett, SDAPS President (Bayfront Corpus Christi Ballroom A)

STUDENT PRESENTATIONS – Robert Kemerait, SDAPS Past-President, presiding (Bayfront Corpus Christi Ballroom A)

8:10-8:25 Genetic diversity among *Sclerotium rolfsii* isolates in southeast U.S. **C. Xie** and G. E. Vallad, Department of Plant Pathology, Gulf Coast Research and Education Center, University of Florida, Wimauma, FL 33598.

8:25-8:40 Validation of a pecan scab prediction model using repeated measures logistic regression analysis. **A. F. Payne** and D. L. Smith, Department of Entomology & Plant Pathology, Oklahoma State University, Stillwater, OK 74078.

8:40-8:55 Expression profiling and evolution of pathogenesis related genes in maize and teosinte in response to *Ustilago maydis*. **S. A. Chavan** and S. M. Smith. Department of Plant Pathology, University of Georgia, Athens, GA 30602.

8:55-9:10 Effects of irrigation and inoculation with *Macrophomina phaseolina* on soybean canopy reflectance and stomatal conductance. **M. D. Doubledde**, J. Rupe, C. Rothrock, S. Bajwa, A. Steger, and R. Holland, Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701.

9:10-9:25 Role of melanin-like brown pigments in the virulence of *Burkholderia glumae*. **H. S. Karki**, I. K. Barphagha and J. H. Ham, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

9:25-9:40 Epidemiological studies on Blackberry

9:40-9:55 A new virus disease in the U.S.: Soybean vein necrosis. **J. Zhou** and I. E. Tzanetakis, Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701.

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

10:10-10:25 Expression of NAC-like transcription factor is involved in bacterial panicle blight resistance in rice. **B. K. Shrestha**, R. Nandakumar, M.C. Rush and J. H. Ham, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

10:25-10:40 Infestation of ovules by *Acidovorax citrulli* during pistil and pericarp invasion in developing watermelon fruit. **B. Dutta** and R. Wolcott, Department of Plant Pathology, University of Georgia, Athens, GA 30602.

10:40-10:55 Potyvirus and insect vector movement in Louisiana sweetpotato fields. **E. Wosula** (1), C. A. Clark (1), and J. A. Davis (2), (1) Department of Plant Pathology & Crop Physiology and (2) Department of Entomology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

10:55-11:10 A genomics study of *Burkholderia glumae* genes regulated by quorum sensing. **R. Chen**, I. K. Barphagha and J. H. Ham, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

11:10-11:25 Sequencing and comparative genomic analyses of the rice pathogen *Burkholderia glumae*, strain 336gr-1. **F. Francis**, J. Kim and J. H. Ham, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.

11:25-11:40 Classification of strains of *Xylella*

	<i>fastidiosa</i> isolated from pecan in Louisiana as <i>Xylella fastidiosa</i> subspecies <i>multiplex</i> . R. Melanson (1), J. H. Ham (1) and R. S. Sanderlin (2), (1) Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803 and (2) Pecan Research Station, Louisiana State University Agricultural Center, Shreveport, LA 71115.		
11:40-11:55	Role of soybean seed exudates in cultivar resistance to <i>Pythium aphanidermatum</i> . M. V. Avanzato , J. C. Rupe and C. Rothrock, Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701.	2:00-2:15	Relationship between frequency of fungicide resistance and efficacy in the management of Gummy stem blight of watermelon. A. Thomas , K. Stevenson, D. B. Langston and F. H. Sanders,, Department of Plant Pathology, University of Georgia, Tifton, GA 31793.
11:55-1:00	Lunch (on your own)	2:15-2:30	The roles of light-induced proteins in the biosynthesis of cercosporin by <i>Cercospora kikuchii</i> . A. K. Chanda , Z.-Y. Chen and R. W. Schneider, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.
STUDENT PRESENTATIONS – Robert Kemerait, SDAPS Past-President, presiding (Bayfront Corpus Christi Ballroom A)		2:30-2:45	Detection and identification of the fungus <i>Aspergillus flavus</i> in maize using solid-phase microextraction. A. K. Wood-Jones (1), D. Sun (2), T. Mlsna (2) and R. E. Baird (1), (1) Department of Entomology & Plant Pathology and (2) Department of Chemistry, Mississippi State University, Mississippi State, MS 39762.
1:00-1:15	Response of <i>Meloidogyne incognita</i> to silicon. J. G. Miller and T. R. Faske, Department of Agribusiness, Agronomy, Horticulture and Range Management, Tarleton State University, Stephenville, TX 76402.	2:45-3:00	Antibacterial activity of mycelial culture fluid from submerged cultivation of Shiitake (<i>Lentinula edodes</i>) mycelia <i>in vitro</i> . H. Kaur (1), L. Nyochembeng (1), P. Banerjee (2) and S. R. Mentreddy (1), (1) Department of Natural Resources and Environmental Sciences and (2) Department of Food & Animal Sciences, Alabama A&M University, Normal, AL 35762.
1:15-1:30	Morphological characterization and fungicide sensitivity of <i>Phytophthora</i> species in Texas. N. D. Rech (1), R. D. French-Monar (2) and J. Heitholt (1), (1) Department of Agricultural Sciences, Texas A&M University, Commerce, TX 75429 and (2) Department of Plant Pathology & Microbiology, Texas A&M Agrilife Research and Extension Center, Amarillo, TX 79106.	3:00-3:15	Break
1:30-1:45	A new selective medium for isolation of <i>Rhizoctonia</i> spp. from soil. T. N. Spurlock , C. S. Rothrock and W. S. Monfort, Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701.	CONTRIBUTED PAPERS – David B. Langston, SDPAS President-Elect, presiding (Bayfront Corpus Christi Ballroom A)	
1:45-2:00	Effects of mineral nutrients on <i>Cercospora kikuchii</i> and Cercospora leaf blight in soybean. N. A. Ward , C. L. Robertson, R. W. Schneider and M. Warr, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.	3:15-3:30	The use of foliar fungicides did not improve yields in wheat in the absence of wheat leaf rust or other foliar diseases in Texas: 2008-2010. R. D. French-Monar , Department of Plant Pathology & Microbiology, Texas A&M Agrilife Research and Extension Center, Amarillo, TX 79106.
		3:30-3:45	Disease severity and yield potential of

	rice cultivars in organic production systems. X.G. Zhou (1) and A.M. McClung (2), (1) Texas A&M Research and Extension Center, Beaumont, TX 77713 and (2) USDA ARS Rice Research Unit, Beaumont, TX 77713.		Education Center, University of Florida, Wimauma, FL 33598.
3:45-4:00	Management of bacterial panicle blight of rice with beneficial <i>Bacillus</i> strains. X.G. Zhou (1), J.W. Kloepper (2), M.S. Reddy (2), and S. Zhang (3), (1) Texas A&M Research and Extension Center, Beaumont, TX 77713, (2) Department of Entomology & Plant Pathology, Auburn University, Auburn, AL 36849 and (3) Tropical Research and Education Center, University of Florida, Homestead, FL 33031.	5:15-5:30	Field and in vitro fungicide efficacies on <i>Pythium</i> isolates that cause <i>Pythium</i> blight on snap bean. S. L. Rideout , L. A. Harrison and C. M. Waldenmaier, Department of Plant Pathology, Physiology and Weed Science, Eastern Shore AREC, Virginia Polytechnic Institute and State University, Painter, VA 23420.
		6:00-10:00	SAAS Reception (Brewster Street Icehouse - offsite)
		6:00-7:00	SDAPS Executive Committee Meeting (Bayfront Copano)
		Monday, February 7	
4:00-4:15	Chemical control of <i>Cercospora</i> leaf blight of soybean: Evaluation of fungicide efficacy and time of application. C. L. Robertson , N. A. Ward and R. W. Schneider, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.	7:30-11:30	Registration (Bayfront Preassembly Area)
		8:00-8:05	Announcements – Boyd Padgett, SDAPS President (Bayfront Corpus Christi Ballroom A)
4:15-4:30	Implications of strobilurin fungicide-resistant <i>Cercospora sojina</i> in Tennessee. M. A. Newman . University of Tennessee, Department of Entomology and Plant Pathology, Jackson, TN 38301.	SYMPOSIUM: “The Fat and Skinny on Nematodes and Their Control” – David B. Langston, SDAPS President-Elect, presiding (Bayfront Corpus Christi Ballroom A)	
4:30-4:45	Impact and management of root knot nematode on soybean in Arkansas. W. S. Monfort (1), T. L. Kirkpatrick (2), M. Emerson (3) and J. D. Barnham (4), Department of Plant Pathology, University of Arkansas, (1) Dale Bumpers National Rice Research and Extension Center, Stuttgart, AR 72160, (2) Fayetteville, AR 72701, (3) Lonoke Agricultural Center, East Lonoke, AR 72086 and (4) Southwest Research and Extension Center, Hope, AR 71801.	8:05-8:30	“The Fat and Skinny on Nematodes Eating Plants.” J. Eisenback , Department of Plant Pathology, Physiology & Weed Science, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.
4:45-5:00	Site specific management of nematodes in multiple soil types with Telone® II in Louisiana. R. A. Haygood , Dow AgroSciences, Collierville, TN 38017.	8:30-8:55	“New chemistry and <i>Mi</i> gene for root-knot nematode management in vegetables.” D. W. Dickson and M. Mendes, Department of Entomology & Nematology, University of Florida, Gainesville, FL 32611.
5:00-5:15	Evaluation of reduced Actigard rates and frequency on bacterial spot management in Florida. G. E. Vallad , Department of Plant Pathology, Gulf Coast Research and	8:55-9:20	“Utilizing nematode resistance in cotton production.” R. F. Davis , USDA-ARS, Tifton, GA 31793.
		9:20-9:45	“Precision agriculture strategies for managing southern root-knot nematodes in cotton fields.” B. Ortiz (1), C. Perry (2), D. Sullivan (2), R.C. Kemerait (2), P. Lu (2), R.F. Davis (3), A. Ziehl (2), G. Vellidis (2) and K.

	Rucker (2), (1) Department of Agronomy & Soils, Auburn University, Auburn, AL 36849, Department of Plant Pathology, University of Georgia, Tifton, GA 31793 and (3) USDA-ARS, Tifton, GA 31793.		(2), D. Shin (2) and Y.-K Jo (1), (1) Department of Plant Pathology & Microbiology, Texas A&M University, College Station, TX 77843, and (2) Rural Development Administration, Suwon, Korea.
9:45- 10:00	Break		
10:00-10:25	“Anticipated management tools for nematodes affecting agronomic crops through 2015.” R.C. Kemerait (1), F.H. Sanders (1), R.F. Davis (2), P. Timper (2), J.P. Noe (3), and J. Woodward (4), (1) Department of Plant Pathology, University of Georgia, Tifton, GA 31793, (2) USDA-ARS, Tifton, GA 31793, (3) Department of Plant Pathology, University of Georgia, Athens, GA 30602 and (3) Department of Plant Pathology & Microbiology, Texas AgriLife Extension, Lubbock, TX 79403.	11:40-11:55	Histochemical analysis of wheat resistance to leaf blast mediated by silicon. W. L. Da Silva (1) and F. A. Rodrigues (2), (1) Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton rouge, LA 70803 and Dept. de Fitopatologia, Universidade Federal de Vicosa, Vicosa, Brazil.
10:25-10:55	Discussion	11:55-1:15	Lunch (on your own)
	CONTRIBUTED PAPERS – Bobby Haygood, Dow AgroSciences, presiding (Bayfront Corpus Christi Ballroom A)	11:55-1:15	Graduate Student Luncheon by invitation only (AmBank Bayview Ballroom D)
10:55-11:10	Molecular genetic and genomic studies on bacterial panicle blight of rice and its causative agent <i>Burkholderia glumae</i> . J. H. Ham (1), H. S. Karki (1), B. Shrestha (1), I. K. Barphagha (1), R. A. Melanson (1), R. Chen (1), D. E. Groth (2), X. Sha (2), H. Utomo (2), P. Subudhi (3), and M. C. Rush (1), (1) Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803, (2) Rice Research Station, Rayne, LA 70578 and (3) School of Plant, Environmental and Soil Sciences, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.		CONTRIBUTED PAPERS – Bobby Haygood, Dow AgroSciences, presiding (Bayfront Corpus Christi Ballroom A)
11:10-11:25	Documentation of an extended latent infection period with <i>Phakopsora pachyrhizi</i> in soybean. N. Ward and R. W. Schneider, Department of Plant Pathology & Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA 70803.	1:15-1:30	Management strategies for Pythium pod rot of peanut in Oklahoma. J. P. Damicone and C. B. Godsey, Department of Entomology & Plant Pathology, Oklahoma State University, Stillwater, OK 74078.
11:25-11:40	Seed treatment using plasma technology in control of seedborne diseases. J. Cho (1), T.-C. Tsai (1), D. Staack (1), J. Roh,	1:30-1:45	Development of a rapid laboratory screening method for stem rot resistance in peanut. J. Augusto and T. Brenneman, Department of Plant Pathology, University of Georgia, Tifton, GA 31793.
		1:45-2:00	Effects of storage environment on seed quality tests and field emergence of soybean seed. K. Cochran (1), J. Rupe (1) and J. Robinson (2), (1) Department of Plant Pathology, University of Arkansas, Fayetteville, AR 72701 and (2) Ohio State University, Columbus, OH 43210.
		2:00-2:15	Field validation and <i>in vitro</i> confirmation of temperature and relative humidity variables used to predict fungicide application for the control of dollar spot of creeping bentgrass. D. L. Smith (1), J. L. Lyles (1) C. Wilson (2) and J. P. Kerns (2), (1) Department of Entomology &

Plant Pathology, Oklahoma State University, Stillwater, OK 74078 and (2) Department of Plant Pathology, University of Wisconsin, Madison, WI 53706.

2:15-2:30 The duration of DMI exposure affects the expression of *shCYP51* differently in sensitive and insensitive isolates of *Sclerotinia homeocarpa*. **B. Ma** and L. P. Treadway, Department of Plant Pathology, North Carolina State University, Raleigh, NC 27695.

2:30-2:45 **Break**

2:45-3:00 Response of pepper (*Capsicum annuum*) genotypes to *Phytophthora capsici* and *Meloidogyne incognita*. **J. A. Thies**, J. J. Ariss and C. Kousik, U.S. Vegetable Laboratory, USDA-ARS, Charleston, SC 29414.

3:00-3:15 Variation in virulence among isolates of *Phytophthora nicotianae* recovered from *Catharanthus roseus*. **S. N. Jeffers** and I. M. Meadows, Department of Entomology, Soils and Plant Sciences, Clemson University, Clemson, SC 29634.

3:15-3:30 Yield losses due to southern corn rust in Louisiana: A preliminary view. **C. A. Hollier**, Department of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, Baton Rouge, LA, 70803.

3:30-3:45 **APS Update.** Dr. John Sherwood, APS President,

3:45-5:00 **SDAPS Business Meeting**, Boyd Padgett, SDAPS President, presiding (Bayfront Corpus Christi Ballroom A)

6:00-9:00 **SDAPS Social (cash bar), Banquet, and Southern Division deBary Bowl** (Bayfront Bayview)

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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.