

**10th Biennial Meeting
of the
Florida Phytopathological
Society**



May 6-8, 2007

Hosted by:

**Univ. of Florida / IFAS
North Florida Research
and Education Center
Quincy, FL**

SUNDAY, MAY 6, 2007
Reception at Hampton Inn,
5:00-9:00 pm (room will be posted at hotel)

MONDAY, MAY 7, 2007

8:00 am **On-Site Registration Opens**

8:30-12:00 **General Session**

Opening Remarks and Announcements
Lawrence Datnoff, President, Florida
Phytopathological Society

Welcome
Richard Sprenkel, Interim Center
Director, NFREC

A Vision for Florida Phytopathology
Raghavan "Charu" Charudattan,
Professor and Chair, UF IFAS
Department of Plant Pathology

Keynote Speaker

9:15 Maintaining Agroecosystem Health
in an Organic Strawberry/ Vegetable
Rotation System. **Dr. Joji
Muramoto**, UC Santa Cruz.

10:15 **Break**

10:30-12:00

Graduate Student Paper Competition
Carol Stiles, Moderator

hrpW: A New Pathogenicity and Virulence
Factor of *Xanthomonas axonopodis* pv *citri*.
J.F.L. Figueiredo¹, F.F. White², J.B. Jones¹ and
J.H. Graham³. ¹UF; ²Kansas State University;
³CREC.

Heritability of stem blight susceptibility of
southern highbush blueberry selections in the
UF breeding program. **A.F. Watson** and P.F.
Harmon. UF.

Biological control of *Imperata cylindrica* using
fungal pathogens: An African perspective. **A.
Den Breeyen**¹, R. Charudattan¹ and F. Beed²
¹UF; ²IITA, Kampala, Uganda

Characterization of a Panamanian isolate of the
Cytoplasmic Citrus Leprosis Virus (CCLV) and
Analysis of its Genome Organization. **A.S.
Guerra-Moreno**¹; K.L. Manjunath²; R.F. Lee²
and R.H. Brlansky¹. ¹CREC; ²USDA ARS.

Species delineation based on host and
environmentally variable morphological
characters is problematic in *Corynespora*. **L.J.
Smith**¹, L. E. Datnoff¹, J. A. Rollins¹, K. L.
Pernezny², R. L. Schlub³. ¹UF; ²EREC, ³CES /
CNAS, University of Guam.

Examining the Deposition Processes of
Phakopsora pachyrhizi Urediniospores in
Soybean Canopies. **N.S. Dufault**¹; S.A. Isard¹;
E.D. De Wolf³; D.L. Wright²; and J.J. Marois².
¹Pennsylvania State University; ²NFREC,
³Kansas State University.

12:00 **Lunch**

1:00-5:30 **Concurrent Sessions**

Bacterial Diseases
Jeff Jones, Moderator

1:00 Exploring the risks of transmitting citrus
canker by way of fresh fruit. **G. Bonn**,
FDACS-DPI.

1:20 Integration of reduced Actigard rate and
resistant tomato line for the management

of bacterial spot disease in greenhouse
conditions. **A. Wen**, NFREC.

1:40 Cloning and characterization of three
bacteriocins of *Xanthomonas perforans*.
M. Marutani, UF.

2:00 An update on citrus greening. **M. Irely**,
U.S. Sugar.

2:30 **Break**

2:50 Pierce's Disease - Basic research on to
applied management. **R. Mizell**, NFREC.

3:20 Fate of phages in phyllosphere. **J. Jones**,
UF.

3:40 Control of citrus bacteria spot and
bacterial canker with bacteriophages. **B.
Balogh**, UF.

4:00 Biocontrol of *X. euvesicatoria* using a
pathogenicity-attenuated bacteriocin-
producing strain of *X. perforans*. **A. Hert**,
UF.

4:20 Systemic nature of bacteriophage and
prospects for use for control of bacterial
wilt in tomato. **A. Obradovic**, UF.

4:40 The role of dodder in citrus Huanglongbin
transmission. **L. Zhou**, UF.

Fungal Diseases
Natalia Peres, Moderator

1:00 Provost - A new level of peanut disease
control from Bayer CropScience. **M.
Edenfield**, H. Young, and G. Musson,
Bayer Crop Science.

1:20 Effect of continuous and discontinuous silicon on leaf blast development in rice. **L. Datnoff¹**, J. Ma² and N. Mitani², ¹UF, ²Institute of Bioresources, Okayama University, Japan.

1:40 *Pythium* spp. isolated from overseeded bermudagrass in Florida, and pathogenicity of *Pythium irregulare* to *Poa trivialis*. **C.M. Stiles**, P.F. Harmon, and L.E. Datnoff, UF.

2:00 Fusarium hardlock of cotton in Florida: Etiology and Management. **B. Leite**, J. Marois, D. Wright, D. Mailhot, and E. Osekre, NFREC

2:20 Break

2:40 Research findings stemming from the UF IFAS Rapid Turfgrass Diagnostic Service. **P.F. Harmon**, C.M. Stiles, and L.E. Datnoff, UF.

3:00 The etiology of recent outbreaks of pepper anthracnose in Florida. **T.L. Harp¹**, Pernezny², K. Lewis-Ivey³, M.L. Miller³, S.A.², Datnoff, L.², Kuhn, P.¹ and Roberts, P.² ¹Syngenta Crop Protection, ²UF, ³Ohio State University.

3:20 Host specificity of *C. acutatum* affecting fruit and ornamental hosts. **S. Mackenzie**, N. Peres, and L.W. Timmer. GCREC.

3:40 Diseases of Potential Importance for Florida Spring Mix. **R. Raid**. EREC.

4:00 Gladiolus rust in Florida. **T. Schubert** and D. Davison, FDACS-DPI.

4:20 Spore viability bioassays and in vitro evaluations of potential Methyl Bromide

alternatives. **F. Iriarte** and E.N. Roskopf, USDA ARS USHRL.

4:40 The use of Muscodor QRD 300 to control greenhouse soil diseases in ornamental and transplant production. **B. Highland** and P. Walgenbach, AgraQuest. Inc.

5:00 Development and validation of disease models for timing fungicide applications for control of anthracnose and Botrytis fruit rots of strawberries. **N. Peres** and S. Mackenzie, GCREC.

5:20 Status of soybean rust in North America - 2 years after the invasion. **J. Marois**, NFREC.

6:30-8:30pm Social

North Florida Research and Education Center

From Anthracnose to Xanthomonas - Pete Timmer's Career in Citrus Pathology
Pete Timmer

TUESDAY, MAY 8, 2007

8:00-10:45am Concurrent Sessions

Viral Diseases Scott Adkins, Moderator

8:00 Effect of other tomato viruses on rep-mediated resistance to TYLCV. **F. Akad¹**, D. Lewandowski², and J. E. Polston¹. ¹UF, ²Ohio State University.

8:20 New age approach to the management of tomato spotted wilt? Effects of plant essential oils and particle films on tomato spotted wilt in tomatoes. **S. Reitz¹**, G. Maiorino², L. Ritchie³, S. Olson³, R.

Sprenkel³, A. Crescenzi², and M. T. Momol³. ¹USDA-ARS, ²Università degli Studi della Basilicata, Potenza, Italy, ³UF.

8:40 Development of *Tobacco mild green mosaic virus* as a potential bioherbicide. **E. Hiebert¹**, R. Charudattan², M.S. Elliott², J. Horrell², and G. Maia². ¹Bioproducts, Inc, GTEC, ²UF.

9:00 Viruses on the move in Florida – coming cucurbit crisis? **S. Adkins¹**, S. Webb², C. Baker³, P. Roberts², D. Achor², W. Turechek¹, C. Kousik¹, and J. Polston², ¹USDA-ARS, ²UF, ³FDACS-DPI.

9:20 Rapid changes in begomoviruses in Florida. **J.E. Polston** and F. Akad. UF

9:40 Breeding for resistance to cucurbit viruses at University of Florida. **E.A. Kabelka**, UF.

Epidemiology Bill Turechek, Moderator

8:00 The effects of low pressure on bacteria, and the implications for global movement of pathogens. **A.C. Schuerger**, UF, Kennedy Space Center.

8:20 Assessment of citrus canker symptoms. **C.H. Bock¹**, P.E. Parker², A.Z. Cook², and T.R. Gottwald³ UF/USDA; ²USDA-APHIS; ³USDA-ARS-USHRL.

8:40 Identification of *Xanthomonas axonopodis* pv. *citri* colonies on mixed plates using hyperspectral imaging. **G.H. Poole**, E.A. Taylor, and T.R. Gottwald. USDA-ARS-USHRL.

9:00 The search for huanglongbing and citrus canker in Florida; designing surveys to target the most susceptible plantations.

S.R. Parnell¹, T. Riley² and T.R. Gottwald¹. ¹USDA-ARS-USHRL, ²USDA-APHIS.

9:20 The spread and control of citrus canker in a heterogeneous landscape; a stochastic modeling approach. **S.R. Parnell¹**, C.A. Gilligan² and T.R. Gottwald¹. ¹USDA-ARS-USHRL; ²University of Cambridge, UK.

9:40 The use of receiver operator characteristic (ROC) curve analysis to select optimum Q-PCR primers for the detection of *Xanthomonas fragariae*. **W.W. Turechek¹** and J. S. Hartung². ¹USDA-ARS-USHRL; ²USDA-ARS.

10:30 am FPS Business Meeting

General Announcements
Nomination of new FPS Secretary
Plans for next FPS Meeting-May, 2009
ADJOURN

Updates and additional information
http://plantpath.ifas.ufl.edu/phytopath_meeting.html

OUR SPONSORS:

ARYSTA LIFESCIENCE
BASF
BAYER
CEREXAGRI
SYNGENTA
VALENT BIOSCIENCES