



42nd Annual Meeting

AMERICAN PEANUT RESEARCH AND EDUCATION SOCIETY HILTON CLEARWATER BEACH RESORT CLEARWATER BEACH, FLORIDA

July 13 – 15, 2010

The annual meeting of the American Peanut Research and Education Society will be held July 13 – 15, 2010 at the Hilton Clearwater Beach Resort in Clearwater Beach, Florida. Registration will begin at 12:00 noon on Tuesday, July 13th. Research and extension papers will be presented on all phases of the peanut industry. Several social functions are planned.

The Hilton Clearwater Beach Resort is situated on 10 acres of sandy white beach in the Tampa Bay/Clearwater area directly on the Gulf of Mexico. The hotel offers sun and water recreational activities for all ages, and is conveniently located only 30 miles from the lush tropical landscapes and excitement of Busch Gardens® and SeaWorld, and it is also only 90 miles from Walt Disney World® Resort and Universal Studios Escape®. The area is filled with entertainment including the Salvador Dali Museum, the Florida Aquarium and Florida International Museum, plus natural attractions like manatees along nature's coast.

For additional information call:

Maria Gallo, Chair
2010 APRES Program Committee
Agronomy Department
University of Florida
Gainesville, Florida 32611-0500
Phone: 352-392-1811 x206

Barry L. Tillman, Chair
2010 APRES Technical Program Committee
North Florida Research & Education Center
University of Florida
Marianna, Florida 32446-7906
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Gregory E. MacDonald, Chair
2010 APRES Local Arrangements Committee
Agronomy Department
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**OFFICIAL CALL FOR PAPERS
for the 42nd Annual APRES Meeting
July 13-15, 2010
Clearwater Beach, Florida**

The 2010 annual meeting of the American Peanut Research and Education Society (APRES) will be held at the Hilton Clearwater Beach Resort in Clearwater Beach, Florida, July 13-15, 2010. APRES members who wish to present original papers or posters, previously unpublished, at the 2010 APRES meeting should submit the following information to:

Barry L. Tillman, Chair
2010 APRES Technical Program Committee
North Florida Research & Education Center
University of Florida
Marianna, Florida 32446-7906
Phone: 850-482-9904
Email: btillman@ufl.edu

Instruction to Authors for Abstract Preparation

1. Prepare a Word document using the format shown below (**Typing Instructions Format, Use attached template**) containing the abstract. Email the Word document as an attachment to the Technical Program Chair no later than Friday, March 19, 2010.
2. If revisions are made to the abstract between the submission date and the time of the presentation, submit an updated file to the Technical Program Chair no later than May 28, 2010.
3. The abstract should be prepared in good scientific form. It is the responsibility of authors to submit their abstract in **READY FOR PUBLICATION** condition. APRES will not retype or make typographical corrections on abstracts submitted for the Proceedings.
4. Complete the enclosed **Information Form** that indicates the technical session in which you prefer to present your paper (Poster, Plant Pathology and Nematology; Entomology; Mycotoxins; Weed Science; Breeding, Biotechnology, and Genetics; Physiology and Seed Technology; Production Technology; Harvesting, Curing, Shelling, Storing, and Handling; Processing and Utilization; Economics; Extension Techniques and Technology; or Graduate Student Competition).
5. Include the complete mailing address of the corresponding author for the paper. Include your telephone number, FAX number, **and email address**.
6. If the format is not followed (see **Typing Instructions Format**, enclosed), the abstract will be returned to the author for correction.

TYPING INSTRUCTIONS-FORMAT

1. **Submit the completed abstract submission form and abstract via email to the Technical Program Chair.**
 - a) Use the attached Microsoft Word Submission Form and Template files or download them from the APRES website (<http://www.apresinc.com/>)
 - b) Store files in Microsoft Word (doc.) format.
Do not use MS Word 2007 (.docx) format.
 - c) Name the Word file with the following: 1) abbreviated title of the abstract and 2) senior author (example: RF Curing-CLButts.doc)
2. **Format of the abstract:**
 - a) Use 8-1/2x11" page size.
 - b) **Leave 1" margins on all sides for a line width of 6 1/2 inches.**
 - c) Use Arial 10 point font with a ragged right margin (i.e. do not full justify) and do not use hard carriage returns in the body of the text.
 - d) Single space with double space between paragraphs and major divisions.
 - e) Underline the title (solid) and capitalize the first letter of important words.
 - f) Follow the title with the author's name(s) in capital letters, with the initials of each name given first.
 - g) Place an asterisk after the name of the speaker.
 - h) Next, provide the author(s) institution(s) and capitalize the first letter of each word.
 - i) Begin the first line of the title flush, but indent the remaining lines of the title, authors, and addresses five (5) spaces.
 - j) **Do not skip a line between the title and body of the abstract.**
 - k) Do not indent the body of the abstract.

Time Limits and Equipment: Presentations and discussions of papers must fit within a 15-minute time period. **NOTE: Only LCD projectors will be provided or allowed for paper sessions. Presentations should be prepared and saved in PowerPoint (.ppt) format.**

Symposia: Suggestions for symposia topics from potential organizers are welcomed, prior to March 19th. Topics must be cleared with the Program Committee before planning the Symposium. Participants of symposia should provide abstracts to the organizer(s) of their session who will then forward the materials to the Program Chair.

Poster Presentations: An area with display boards (4 x 4) will be provided for mounting posters. Presenters will be notified by June 1 of the day and time when posters will be displayed.

Note: Only one (1) paper or poster with the same APRES member as senior author will be accepted. An invited paper for symposia does not count against the (1) paper or poster limit for senior authors.

**ABSTRACTS MUST BE E-MAILED BY MARCH 19th, 2010.
COMPLETE THIS INFORMATION FORM AND SUBMIT WITH ABSTRACT**

Do not type on abstract page

Complete for corresponding author:

Name: _____

Univ/Co: _____

Address: _____

Telephone number: _____

FAX number: _____

Email Address: _____

Technical Section Preference (indicate 1st and 2nd choice) - Choose from the following list:

- Poster
- Plant Pathology and Nematology
- Entomology
- Mycotoxins
- Weed Science
- Breeding, Biotechnology, and Genetics
- Physiology and Seed Technology
- Harvesting, Curing, Shelling, Storing, and Handling
- Production Technology
- Processing and Utilization
- Economics
- Extension Techniques and Technology
- Graduate Student Competition

EXAMPLE ABSTRACT

Characterization of Three Major Peanut Allergen Genes. I-H. KANG, M. GALLO-MEAGHER*,
Agronomy Department, The University of Florida, Gainesville, FL 32611-0300; and P.
OZIAS-AKINS, Department of Horticulture, The University of Georgia, Tifton, GA 31793-
0748.

We have examined the expression patterns of three major peanut allergen genes, *arah1*, *arah2*, and *arah3*. The proteins encoded by these genes belong to the vicilin, conglutin and glycinin families of seed storage proteins, respectively. Total RNA was isolated from four seed developmental stages (1-4) of 12 different peanut genotypes. Northern blot analysis revealed that transcripts of all genes are evident at the earliest stage (1) of seed development. However, *arah1* transcripts continue to accumulate throughout development with a maximum level observed at the most mature stage (4), while *arah2* and *arah3* transcript levels appear to peak earlier in seed development. Expression patterns were similar for most genotypes, however there were exceptions that will be discussed. No transcripts of *arah1* or *arah2* could be detected in total RNA isolated from flowers, leaves or roots. However, a low level of *arah3* transcript could be observed in flower and leaf tissues. Southern blot analysis revealed a low gene copy number for *arah1* and *arah2*, and multiple gene copies of *arah3* present in the peanut genome.