

SUMMER NEWSLETTER  
OF THE  
SOUTHEASTERN SECTION  
OF THE  
AMERICAN PHYSICAL SOCIETY

JULY 15, 2001

**The 68th Annual Meeting of the Southeastern Section** of the American Physical Society (SESAPS) will be held November 4-6, 2001 (Sunday-Tuesday) at Charlottesville, Va. Our host for this meeting will be the University of Virginia Department of Physics. The meeting hotel will be the Omni Hotel in downtown Charlottesville. The local arrangements committee is chaired by Tom Gallagher who may be reached at (804)-924-6817 (phone), (804)-924-4576 (fax), and TGF@virginia.edu (e-mail).

The Program Committee Chair is Walter Croft of Mississippi State University, who may be reached at (662)-325-2806 (phone), (662)-325-8898 (Fax) wlcroft@ra.msstate.edu (e-mail). The first session will be at 2PM on Sunday. The meeting will cover a number of important and exciting topics, including nuclear physics, physics education, quantum information, computational materials physics, particle/astro physics, chaos in modern physics, and colossal magnetoresistance physics. All primary meeting sessions will be held at the Omni Hotel in Charlottesville. Dan Gauthier from Duke will talk about slow and fast light. Registration on Sunday is at the Hotel. The banquet will take place Monday at 7PM following a reception at 6PM. The meeting web site is <http://sesaps.phys.virginia.edu/>. The web site will be available on July 9.

**THIS IS THE FIRST CALL FOR ABSTRACTS OF CONTRIBUTED PAPERS:** SESAPS will use electronically submitted abstracts (brief instructions are at the end of this newsletter) for publication in the BULLETIN of the AMERICAN PHYSICAL SOCIETY. The deadline for the receipt of contributed papers and abstracts is no later than 5 pm EST Friday, August 17, 2001. The entire program will be organized the following week. All abstracts received electronically by the deadline will be published in the November, 2001, BULLETIN of the AMERICAN PHYSICAL SOCIETY. All abstracts of contributed papers must be prepared in the standard APS format as specified in recent issues of the APS News. If the abstract is submitted to the APS only on paper, just the title and authors will appear in the BULLETIN.

The Program Chairman is:

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(662) 325 8898 (Fax)  
wlcroft@ra.msstate.edu (e-mail)

The scheduled time for your presentation must be obtained from the bulletin WHICH WILL BE AVAILABLE ELECTRONICALLY on the WWW. Meeting rooms will have an overhead projector and chalkboard - to request other audio-visual aids, including 35 mm projectors, please make your request in writing by typing it in the special instructions box of the abstract template. Any questions about the program should be directed to Dr. Croft.

## **CONTRIBUTED/INVITED PAPERS!**

Invited papers at this meeting, as in all APS meetings, are given by experts in areas selected by the Program Committee, and these talks are usually of thirty minutes duration. Contributed papers, however, are on topics of the author's choice and are ten minutes in length. On the day following the abstract deadline, all papers are organized into sessions and the sessions into the program of the meeting. This year the Program Committee will continue an idea suggested by an APS member. Some of the contributed abstracts are of such interest that the committee will INVITE THE AUTHORS to give a SPECIAL PAPER of twenty minutes duration on the topic of their abstract at the beginning of the contributed paper session to which their talk is assigned. **There will only be a few such papers selected.**

The invitations will be listed in the printed program of the meeting and will be verified promptly by mail to the authors.

If the author(s) would like to be considered for such an invitation, they are asked to type the following statement in the special instructions box:

**If invited to do so, the author is willing to expand the talk for the above abstract to twenty minutes.**

**A PROGRAM OF PHYSICS TEACHING DEMONSTRATIONS IS BEING PLANNED.** On Sunday evening, November 4, after an open house at the Physics Department. The open house will be from 7PM to 10PM, and the demonstration program at 8PM.

**POSTER PRESENTATIONS:** Facilities will also be available for poster presentations. If a SESAPS contributor would prefer a poster presentation, it should be noted with the following statement typed below the abstract: Poster presentation preferred. You should also check the appropriate box or fill the appropriate blank on your electronic submission form.

**Abstract Submission:** Complete abstract submission instructions can be found at <http://www.aps.org/meet/meet-abstract.html>.

Authors are strongly urged to proof their abstract carefully before submission. Contributors may submit in one of two ways:

(1) Via the web: To submit a contributed abstract using the online web submission process, an author needs to know two things: (a) the number and ordering of authors and collaborations, and (b) what to write for the abstract content. The web page will guide you through the rest. Try a test submission before submitting your abstract. Log onto <http://abstracts.aps.org> and select the meeting TEST. Follow the directions online to create your own practice abstract.

When ready to submit your abstract online, select the meeting (SES01) by clicking on the appropriate button. A form will be created for you. Simply input the information.

(2) Via e-mail: Contributors must create their abstracts from an electronic template supplied by the American Physical Society.

The template and instruction files for contributed abstracts can be obtained by sending email to [abs-request@aps.org](mailto:abs-request@aps.org) with the phrase REQUEST SES01 in the message. Also, see attached material at the end of this newsletter.

**If you have questions** regarding abstract submission, please send them to [abs-help@aps.org](mailto:abs-help@aps.org).

**UNFORTUNATELY, THE ABSTRACT DEADLINE HAS BEEN MOVED FORWARD.  
THE DATE IS FRIDAY AUGUST 17, 2001**

**THE UNIVERSITY OF VIRGINIA DEPARTMENT OF PHYSICS** will host the annual meeting of the Southeastern Section of the American Physical Society November 4-6, 2001. The meetings will be held at the Omni Hotel in Charlottesville.

Charlottesville can be reached by train, Amtrak and Greyhound bus. The airport in Charlottesville is only 7 miles

from town and a cab is about \$20.

Members should check air fares as it is usually cheaper to fly to Washington and rent a car for the easy 90 mile drive, or fly to Richmond, rent a car, for the easy 70 mile drive. Charlottesville is located near the Blue Ridge Parkway, which is one of the most scenic roads in the nation.

### **Registration**

will be \$35.00 for SESAPS and other APS members, \$50 for nonmembers, \$5 for retired physicists and \$15 for graduate students. Awardee and banquet speakers will not pay the registration or banquet fees. There will be pre-registration, and on-line registration using credit cards. Credit cards may be used to register on site.

The scheduled time for each presentation must be obtained from the Bulletin which will be available electronically.

**TRAVEL SUPPORT WILL BE AVAILABLE FOR STUDENTS THIS YEAR.** Students will be pleased to learn that modest travel grants will again be available for those presenting research papers at the SESAPS sessions. Please use the form included with this news letter.

**The winners of the Pegram, Beams, and Slack awards** will be announced on our home page. SESAPS members are urged to nominate candidates for these awards, as a large number of candidates generally results in meaningful awards. Member's attention is called to the new procedures in the newsletter.

### **PROCEDURES FOR SESAPS AWARDS**

The following procedures were suggested by Chair Tom Gallagher after the November meeting and adopted by a vote of the Executive Committee by e-mail.

1.

Each committee will consist of three members: the previous award winner, one member appointed for a two-year term by the chair of the section, and the returning member from the previous year's committee, who will serve as chair.

2.

Each committee will be charged by the chairman of the section to select a recipient and communicate the result to the chair of the section by September 15.

The information to be communicated is:

- a. The name and institution of the recipient.
- b. The name and institution of the nominator.
- c. A short citation of ~15 words.

3.

The chair of the section will notify the winner and the nominator by October 1, and indicate that the nominator usually introduces the winner at the banquet.

Should there be more than one nominator, only one introduces the winner. At the same time, the chair informs the secretary of the winner, the nominator and the citation.

4. The nominations for all awards will be sent to the secretary of the section by June 1. The secretary will forward copies of the nominations to the appropriate committees by June 15. Nominations will be considered for two years and then destroyed.

### **Time Table**

Receipt of nominations by secretary	June 1
Transmission to Chair of award committee	June 15
Transmission of report of committee to Chair and secretary of section	Sept. 15

**SUGGESTED NOMINATIONS FOR SECTION OFFICERS** should be included on the election ballot, which will be mailed separately, for consideration by the Nominating Committee, which is made up of the Executive Committee. Please vote!

### **A Letter from the Chair**

This year's meeting of SESAPS will be held at the University of Virginia in Charlottesville during November 4-6 2002. An exciting program of both contributed and invited sessions is being organized on the following topics:

Nuclear physics  
Physics education  
Quantum information and computing/optical physics  
Computational materials physics  
High energy physics/astrophysics=20  
Chaos in modern physics  
Colossal magnetoresistance.

Please make arrangements to attend our meeting and give special consideration to bringing both your undergraduate and graduate students.

Also bring to the meeting at least one colleague who has not attended SESAPS in recent years. This invitation applies particularly to those physicists working in industrial, governmental, or other non academic settings.

Note that the deadline for submitting abstracts is Friday the 17th of August 2001. Early electronic submission is strongly urged and no abstract will be accepted at the APS Headquarters after 5 pm on this date. The details as to the abstract submission process are given elsewhere in the Newsletter.

Finally, SESAPS has modest funds to support student travel. The only requirement is that selective students must present a contributed talk on their research activities. The last page of this Newsletter is the application form.

I look forward to seeing you at Charlottesville.

Ron Mickens  
Chair, SESAPS 2001

**MEMBERS SHOULD CHECK OUT THE SESAPS HOME PAGE.** The home page may be found through the link from the APS home page at "[HTTP://WWW.APS.ORG](http://WWW.APS.ORG)". Click on sections and click on Southeastern. The home page is at Davidson and was put together and is maintained by our treasurer, Larry Cain. Larry would welcome suggestions for changes to make the page more useful. Thanks Larry.

### **THE FOLLOWING INFORMATION WAS GENERATED BY APS TO ASSIST YOU WITH THE PREPARATION OF ELECTRONICALLY SUBMITTED ABSTRACTS**

#### **Abstract Submission**

The deadline for the submission of all abstracts is Friday, August 17, 2001, 5:00 pm EST at the APS Headquarters.

The deadline is firm, so don't wait until the last minute! Send early - save yourself the stress!

#### **Electronic Submission**

Last year, the APS instituted an electronic abstract submission process, which was an enormous success, with almost 80% of all the abstracts being submitted electronically. We are hoping for an even better turnout electronically this year. There are many advantages to submitting electronically.

- E-mail message confirming receipt of your abstract
- E-mail notification of the scheduling of your paper
- 

The complete abstract will appear in the electronic version of the program which will be posted on the APS Home Page, well in advance of the printed program. (Abstracts submitted in paper form will have only the title and author listed in the electronic program)

For information on how to submit an abstract electronically, send an e-mail message to "abs-info@aps.org" and use the word "info" in the text of your message.

To receive the template, send a message to "abs-request@aps.org" and put the words "request <ses01>" in the text of your message. The information and/or template will be returned to you by e-mail. If you have particular questions regarding the information, or need assistance, send a message to "abs-help@aps.org".

Submitting your abstract electronically is surprisingly simple. The mark-up language we use is LaTeX, but you do not need to know LaTeX in order to submit an abstract. Simple ASCII text will suffice, unless you need to put mathematical symbols or Greek characters in the text of your abstract - and most of those instructions are very simple.

## **Paper Submission**

Abstracts received via postal mail will be accepted; however, only the title and authors of the paper will appear in the printed version of the Bulletin and on the World Wide Web version of the Bulletin.

Please follow the instructions for the preparation of paper abstracts as they appear in each issue of APS Meeting News. These abstracts should be sent to:

<ses01>  
Meeting Abstracts  
APS Meetings Department  
One Physics Ellipse  
College Park, MD 20740-3844

Please do NOT also send a paper abstract to APS if you are submitting your abstract electronically. All abstracts must be at the headquarters office by the deadline date. APS assumes no responsibility for mail delays. Receipt of paper abstracts will not be confirmed unless accompanied by a self-addressed, stamped envelope.

## **Some Electronic Do's and Don'ts**

Do not simply "reply" to the address from which you received the abstract template. Send the abstract to "abs-submit@aps.org". Make sure you have the correct meeting ID <ses01>.

One abstract per message! The system is automated. Sending two or more abstracts in one message increases the likelihood that all but the first abstract will disappear into the ether.

Use only one sorting category for your abstract in the "Sort Category" field.

In order to sort the papers properly, it is important that the system deals only with one request. If you wish to give additional guidance to those who are putting the program together, please feel free to do so in the "Special Instructions" field. The Sort Category" field has four curly braces. Please use them as follows:

`\Sort Category {15}{L}{ }{ }`. **Not** `\Sort Category {15L}{ }{ }`  
**and not** `\Sort Category{15}{L}{32}{B}`. **Do not remove left over braces.**

Only submit your abstract once. You should receive an e-mail message telling you that we received your abstract within 24 hours. If you do not receive such a message then contact "abs-help@aps.org" for assistance.

Respectfully,

Kenneth A. Hardy  
Physics Department  
Florida International University  
Miami, FL 33199  
(305) 348-2605 (phone), (305) 348-6700 (fax)

#### APPLICATION FOR STUDENT TRAVEL SUPPORT TO THE SESAPS MEETING

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_

ZIP: \_\_\_\_\_

SCHOOL: \_\_\_\_\_

UNDERGRADUATE/CLASS: \_\_\_\_\_

GRADUATE/CLASS: \_\_\_\_\_

ABSTRACT TITLE: \_\_\_\_\_

ABSTRACT AUTHORS: \_\_\_\_\_

AMOUNT REQUESTED (\$100 MAX) \_\_\_\_\_

PURPOSE OF REQUESTED FUNDS: \_\_\_\_\_

RETURN BY 1 OCTOBER TO:  
KENNETH A. HARDY, SECRETARY SESAPS  
PHYSICS DEPARTMENT  
FLORIDA INTERNATIONAL UNIVERSITY  
UNIVERSITY PARK, MIAMI, FL 33199

SOUTHEASTERN SECTION OF THE AMERICAN PHYSICAL SOCIETY  
EXECUTIVE COMMITTEE 2001

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