



Department of Physics & Astronomy
Center for Science Education
College of Arts and Sciences

October 12, 2021

Ref: **2022 DOD Junior Science and Humanities Symposium (JSHS) for South Carolina**

Dear Superintendent / Principal and/or Science Coordinator/ Teacher:

We are very pleased to invite you and your students to take part in the **2022 DOD SC Junior Science and Humanities Symposium (JSHS)**. The symposium will take place at the Russell House on the USC Columbia campus on a Friday in **January 2022**. The symposium will consist mainly research presentations by high school students.

Your students can take part in one of two ways:

1) **Observer: You** and three or four of your students are welcome to attend the symposium free of charge. We will provide a continental breakfast and lunch. We will also provide dinner and overnight accommodations, (more than 121 km {75 miles} from Columbia) if needed, on the Thursday prior to the symposium at a hotel near the campus. ***The number of observers is limited.***

2) **Presenter Face to Face:** One or more of your students can submit a written paper describing his or her original research in an area of science or humanities. These presentations are often based on work students have done in school research projects, for science fairs, or for other research presentations. A panel of USC faculty members, Industry Scientists, and Government Scientists will consider these written papers and the top five will be selected for presentation in competition at the full symposium. The symposium presentations will be judged by another committee of scientists and by everyone who attends the symposium. We will pick the top five papers and of these five the top three presenters will win scholarships. All five will have their expenses paid to attend **the face to face National 2021 JSHS Meeting in Albuquerque, NM, from April 20 to 24, 2022**. All others who submit a paper will have the opportunity to present that paper in a series of concurrent small symposia. Prizes and/or Honors Certificates will be given for the best presentations in each concurrent symposium.

The plan is to have a face-to-face JSHS, if we need to go virtual, all schools will be notified. **But note we will have at least one virtual presenter Session, to accommodate the school that are not allowed to travel.**

If you and your students would like to take part in the symposium, please fill out the Intent to Participate form and return it (by email) by **Friday, November 5, 2021**. When we receive your form, we will send you more specific information about the symposium. The deadline for the submission of research papers is Friday, **December 3, 2021**. **(Note: Only completed research will be accepted)**

Attendance at the symposium is limited, so please respond as quickly as you can. Contact Timir Datta (email: datti@sc.edu) by phone (803 777 8105) if you have any questions. The symposium is supported by funds from the Department of Defense and is free to all participants. Don Jordan is the Assistant Director for 2022.

Timir Datta, Physics & Astronomy Dept., Room 404, Jones Physical Science Center,
712 Main Street, 803 777 8105 Email: datta@sc.edu

Don M. Jordan / 803-777-7007 / djordan@sc.edu / Coker Life Science Building CLS Room 108
Website: www.artsandsciences.sc.edu/cse See JSHS

Department of Physics 803 777 8105 datta@sc.edu &
Center for Science Education 803 777 7007 djordan@sc.edu



The Department of Physics and
The Center for Science Education
The University of South Carolina
are pleased to announce:



2022 Junior Science and Humanities Symposium (JSHS)

A Friday in January 2022

Russell House on the UofSC Columbia Campus

Keynote Presenter

TBA

XXXXX

Title: TBA

The symposium will consist of presentations by scientists and research presentations by high school students. Attendance at the symposium is limited.

The symposium is supported by funds from the Department of Defense and is free to all participants.

Deadline to receive Letter of Intent to Participate is Friday, November 5, 2021.

Deadline for the submission of papers is Friday, December 3, 2021.

National JSHS Will take place in Albuquerque, NM, from April 20 to 24,

For more information see Website: www.artsandsciences.sc.edu/cse Under PROGRAMS or
Contact Timir Datta, Physics & Astronomy Dept., Room 404, Jones Physical Science Center,
712 Main Street, 803 777 8105 Email: datta@sc.edu or

or contact Don M. Jordan at djordan@sc.edu or phone: 803-777-7007



Intent to Participate Form 2022

Use this word doc to fill out this form

Forty-Ninth (50th) Junior Science and Humanities Symposium
at
University of South Carolina (**Due Friday, Nov 5, 2021**)

Date of SC JSHS is a Friday in January 2022 (Exact date TBA in early October)
Note we are in hopes of a face-to-face symposium. But there will be at least one virtual presenter session using ZOOM.

My students and I would like to take part in the 2021 Junior Science and Humanities Symposium at USC:

Lead Teacher's Name: _____
First MI Last

High School: _____

Mailing Address: _____
Street City State Zip

Teacher's School Phone Number: _____

Teacher's E-Mail: _____

A. Number of Teachers Attending: _____ (List names of all teachers & emails on page 2)

B. Number of Students Attending: _____ (Approximate)

(Normally 4 students are invited from each school)

C. How many of your students plan to submit a research paper? _____

D. Will you and your students need overnight accommodations? _____

E. Will you and your students need assistance with travel costs? _____

If the answer to this question is YES, then we need to include your name on a Travel Authorization. In addition, you will need to fill out a Travel Reimbursement form when you arrive at registration for the **2022 JSHS**

The 2022 National JSHS event will be held in **Albuquerque, NM, from April 20 to 24, 2022.**

Return this form to
Timir Datta, Physics & Astronomy Dept., Room 404, Jones Physical Science Center,
712 Main Street, 803 777 8105 Email: datta@sc.edu

Research Papers will be due on Friday Dec 3, 2021

A. Continued: Number of Teachers Attending:
(Please list names of all teachers & email address)

Teachers

	Name (First Last)	Email
1.	_____	_____
	Repeat Lead Teacher	
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____

Note:
The complete names of all observers will be due Wednesday, January 5, 2022

This form should be emailed to Timir Datta (datta@sc.edu) on or before Friday, Nov 5, 2021, with copy to Don Jordan (djordan@sc.edu)

JSHS 2022 Guidelines to Submit a Research Paper

Submit your completed research paper to Dr. Timir Datta at datta@sc.edu

The paper should be a minimum of 5-6 pages and a maximum of 20 pages (*double spaced*) (one side only) including appendices. **Deadline is Friday, December 3, 2021.**

Please copy your research paper to Don Jordan djordan@sc.edu

A recommended outline for the research paper includes:

1. Title page, or cover page stating the student's name, school address, and title of the research;
2. One page abstract;
3. Table of contents;
4. Introduction (including statement of problem);
5. Materials and methods;
6. Results (data or findings);
7. Discussion and conclusions;
8. Acknowledgements of major assistance received;
9. References, or literature cited;
10. Appendices (if necessary).

Please read this section in its entirety.

Submit your research paper by email in PDF format only.

Name the PDF as follows: Name, High School, Category.

Example: John Doe, Lexington HS, Chemistry. All papers must be complete and submitted **electronically** by **Friday, December 3, 2021.**

If you have a problem submitting your paper, please contact Dr. Timir Datta at datta@sc.edu

For more references See JSJS Website under “Regional Competitions” then “Rules of Competition”
<http://www.jsjs.org>

The DOD Junior Science and Humanities Symposia (JSJS) / Program Summary

The Junior Science and Humanities Symposia (JSJS) program is jointly sponsored by the United States Departments of Army, Navy, and Air Force, in cooperation with leading research universities throughout the nation.

The primary aims of JSJS are to promote original research and experimentation in science, engineering, and mathematics at the high school level, and publicly recognize students for outstanding achievement. The JSJS provides a forum for high school students to present the results of their original research. Students who participate in the Symposia also can meet and exchange ideas, interact with practicing researchers, and explore future academic and career opportunities.

The Department of Defense (DOD) JSJS program is run by National Science Teachers Association (NSTA) 1840 Wilson Blvd Arlington VA 22201. Jingchen (Jessie) Liu (Jliu@nsta.org) (Phone 703 312 9246 and (web <https://www.jsjs.org/>) is the Project Manager of JSJS programs.

All papers will be reviewed for acceptance prior to assigning Judges to Read;

Please be sure your students have completed their research paper.