



CALL FOR READERS & JUDGES for the 2024 Georgia Junior Science & Humanities Symposium

The Office of Academic Special Programs at the University of Georgia Center for Continuing Education & Hotel seeks graduate students and professionals with expertise in science, technology, engineering, or mathematics (STEM) to serve as volunteer paper readers and judges for the 2024 Georgia Junior Science & Humanities Symposium (GJSHS).

Sponsored by the research programs of the U.S. Office of the Secretary of Defense, U.S. Army, U.S. Navy and Marine Corps, and U.S. Air Force and Space Force, GJSHS serves to support, promote, and recognize our state's brightest STEM students and their achievements by providing participants with a unique opportunity to present their research to a panel of highly qualified judges in the format of an academic, scientific conference.

To be selected, students submit a research paper for evaluation by the judging team **January 16-30**. Based on these evaluations, approximately 50 students will be invited to present at the 3-day GJSHS event on the University of Georgia campus February 25-27. The presenters will compete for cash awards, scholarships, and the opportunity to meet and network with other students and some of the nation's top STEM professionals at the **National Junior Science & Humanities Symposium** in Albuquerque in May 2024.

Reader/Judge Qualifications

- A) Doctoral degree or other terminal degree (PhD, MD, DDS, DVM, etc.); or
- B) Master's degree in a STEM discipline with research/publication experience; or
- C) BA/BS and at least two years of research/publication/professional experience directly related to one of the GJSHS Project Categories:
 - Biomedical Science
 - Chemistry & Materials Science
 - Engineering & Technology **← HIGH NEED**
 - Environmental Science **← HIGH NEED**
 - Life & Behavioral Sciences
 - Mathematics & Computer Science **← HIGH NEED**
 - Medicine & Health

Qualified volunteers are welcome to sign up for any of the following opportunities that suit your interest and availability.



PAPER READING

Readers will receive 6-10 papers to read and evaluate.

January 16-30
(on your own time)



PRESENTATION JUDGING

Presentation Judging will take place at the Georgia Center for Continuing Education & Hotel on the UGA campus.

Monday, February 26
Main Presentations: 8:00 AM - 3:30 PM
↑ HIGH NEED ↑

Tuesday, February 27
Finalist Presentations: 8:00 AM - 2:00 PM

SIGN UP TODAY: bit.ly/2024GJSJSjudgeform

If you are willing to serve as a **Paper Reader**, please sign up by **January 10**.

All others, please sign up by **February 5**.
(Later sign-ups may also be needed and accepted.)





2024 PROJECT CATEGORIES

GJSHS projects are entered in one of the eight categories to the right. Some projects may fit in multiple categories (especially those in areas related to biomedical science / medicine and health), but students will select only one category.

When selecting a category, the students are asked to consider what type of professionals would be most qualified to evaluate their project, and what areas of expertise are most important for a judge to have.

Readers and Judges are asked to **rank the top three categories** they are willing and qualified to judge. Final category judge assignments will be based on preference and need. For categories that have more projects or lower Reader/Judge turnout, coverage may be improved by assigning some Readers/Judges to their second or third category choice.

BIOMEDICAL SCIENCES

*Biomedical Medicine
Cellular and Molecular Biology
Genetics
Immunology
Microbiology
Pharmacology
Virology*

CHEMISTRY & MATERIALS SCIENCE

*Alternative Fuels
Chemical Engineering
Earth Science
Geochemistry
Materials
Organic Chemistry
[also possibly in Life Sciences]
Physical Chemistry*

ENGINEERING & TECHNOLOGY

*Aerodynamics
Aerospace
Electrical Engineering
Mechanical Engineering
Renewable Energy
Robotics
Vehicle Development, Devices*

ENVIRONMENTAL SCIENCE

*Bioremediation
Ecosystems Management
Environmental Engineering
Land Resource Management
Pollution
Toxicity in Ecosystems*

LIFE & BEHAVIORAL SCIENCES

*Developmental Biology
General Biochemistry
Microbiology
Plant Physiology
Population Genetics
Behavioral Science*

MATHEMATICS & COMPUTER SCIENCE

*Algorithms
Computer Engineering
Computer Science
Databases
Mathematics
Networking
Probability and Statistics*

MEDICINE & HEALTH

*Biochemistry
Bioengineering
Disease Diagnosis and Treatment
Epidemiology
Immunology
Neuroscience
Pathology
Physiology*

PHYSICAL SCIENCES

*Acoustics
Astronomy
Internet of Things
[Network of physical objects
embedded with electronics,
software, sensors, and
network connectivity]
Nuclear Physics
Optics
Particle Physics
Quantum Physics
Solid State Physics
Theoretical Physics
Thermodynamics*