CALL FOR READERS & JUDGES
for the 2023 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 2023 Georgia Junior Science & Humanities Symposium (GJSHS).

Sponsored by the research programs of the U.S. Army, Navy, and Air 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 26-28, 2023. 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 Virginia Beach in April.

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**
- **Physical Sciences**

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 27
Main Presentations: 8:00 AM - 3:30 PM
↑ *HIGH NEED* ↑

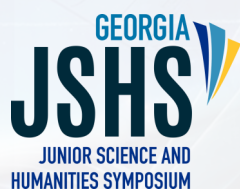### Tuesday, February 28
Finalist Presentations: 8:00 AM - 2:00 PM

SIGN UP TODAY: **bit.ly/2023GJSHSjudgeform**

If you are willing to serve as a **Paper Reader**, please sign up by **January 11**.

All others, please sign up by **February 6**.
(Later sign-ups will also likely be accepted.)

2023 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