

**NASA West Virginia Space Grant Consortium
Joint University-Industry Research Opportunity Program
2021-2022 Application Form**

The NASA WV Space Grant Consortium (WVSGC) is pleased to announce the availability of funds to support new collaborative research projects between faculty at Space Grant institutions and the high technology sector of the West Virginia economy. Ideally, this program will promote the development and transfer of technology to the private sector with the result of creating patents and high-tech jobs in the state.

Each successful applicant will receive up to \$20,000 from the Consortium to be matched by at least the same amount in cash and in-kind support from non-Federal sources. Evidence of real commitment by the industrial partner in the definition of the problem, design of the methodology, and the actual conduct of the research must be demonstrated within the proposal. No NASA funds will be transferred to the industrial partner. Advantages of this program are as follows:

To the Industry

- Allows access to the most recent thinking or developments in specialized fields
- Enables the use of special equipment or facilities at the universities
- Provides for the development of new lines of inquiry without significant investment in skilled personnel or equipment

To Universities

- Allows access to the commercial research and development world
- Stimulates growth of new clientele, providing new markets for research expertise and new opportunities for students

To the State of West Virginia

- Encourages the use of capital-intensive university equipment and facilities by industrial scientists and engineers adding a new level of return on State investment
- Stimulates meaningful interaction between university faculty and industry
- Stimulates the growth of small high-tech businesses in West Virginia and encourages longer-term development of advanced technology products by firms of all sizes

The consortium will award these grants based on the following criteria:

1. Scientific and technical merit (40 points)
2. Relevance to NASA, Mission Directorates, and West Virginia's priorities in science and technology (10 points)
3. Collaborative plan and research methodology (20 points)
4. The potential for long-term impact (20 points)
5. Budget soundness and industrial and institutional support (10 points)

Priority will be given to those who have not been awarded a similar grant in the past and are within five years of joining a Consortium academic affiliate as a tenure-track member of the faculty. Brief quarterly reports and a final report will be required.

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Proposal Format

Cover Page: Please use the attached cover page. Note that the proposal must be signed by a representative of the academic affiliate as well as the industrial partner who can certify the availability of matching funds (e.g., Department Chair, Dean, or financial manager).

Research Summary: Provide a summary of the proposed research using no more than three (3) single-spaced page with 1” margins on all sides. These summaries must be typed in Times New Roman (TNR) font size 12, and table entries must use at least font size 10. Clearly state the objectives and significance of the project, the approach to be used to achieve the objectives, and the specific outcomes that can be considered as project results. You may add a page for references cited. Please note that all proposals must align with one of the four NASA Mission Directorates. (Aeronautics Research, Human Exploration & Operations, Science, and Space Technology). To read about the latest programs and current interests for the Mission Directorates, please click [here](#). Failure to clearly indicate the alignment with a NASA Mission Directorate will result in disqualification of the proposal and not being forwarded to the reviewers.

Budget: Provide a one-page budget describing the project costs. The budget should delineate between the funds requested from NASA WVSGC and institutional and industrial cost share. Please note that NASA WVSGC funds may not be used to purchase equipment or for foreign travel. Do not include overhead charges however, waived/unrecovered indirect costs can be used as cost-share.

Schedule and Milestones: The proposer is expected to identify a feasible timeline for accomplishing the proposed work along with reasonable milestones in which performance can be measured.

Appendices: Appendices should include a one-page résumé of each investigator. Other supportive information can be added but should not exceed five pages. Also, please list all past awards, if any, received from NASA WVSGC or NASA WV EPSCoR, including project title, award dates and amounts. Indicate whether this proposal is a continuation of a previously funded project or is a request for funding for an entirely new research area or with a different industry. If the investigator has received a NASA WVSGC joint university-industry research grant in the past, please indicate the unique nature of this research in comparison to past work and note why it should be considered a new research area for the investigator.

Schedule

Proposal due date: Monday, March 8, 2021, by 11:59 PM (EST)

Awards announcement date: Mid-April 2021

Anticipated project start date: May 16, 2021

Project duration: One year

Please submit the online application [here](#). Proposals must be submitted online only.

Proposals received after the deadline will not be considered. More information and additional requirements, please visit the [program page](#). For questions regarding budget-related or proposal format issues, please contact the NASA WVSGC office at (304) 293-4099 or email: Candy.Cordwell@mail.wvu.edu.

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Cover Page

Project title: _____
Principal Investigator (academic affiliate): _____
Institution and Department: _____
Address: _____
Phone: _____ Email: _____
Signature: _____ Date: _____

Industrial Collaborator: _____
Company: _____
Address: _____
Telephone: _____ Email: _____
Signature: _____ Date: _____

Mission Directorate(s): _____

Request from NASA WVSGC: _____
Cost share from industry: _____
Cost share from institution: _____

Total Budget: _____

Institutional Approval and Signatures Certifying Availability of Cost Share Funds

Academic Collaborator
Institutional Representative
Name: _____
Title: _____
Address: _____

Telephone: _____
Email: _____
Signature: _____
Date: _____

Industrial Collaborator
Company Representative
Name: _____
Title: _____
Address: _____

Telephone: _____
Email: _____
Signature: _____
Date: _____