

**NASA West Virginia Space Grant Consortium
Joint University-Industry Research Opportunity Program
2009-2010 Application Form**

The NASA WV Space Grant Consortium (WVSGC) is pleased to announce the availability of funds to support collaborative research projects between faculty at Space Grant institutions and the growing high technology sector of West Virginia economy. The purpose of this new program is to foster and cultivate collaborative research between researchers at WVSGC member institutions, and aerospace related and other high-tech companies in the state. 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 from non-Federal sources. Evidence of true commitment by the industrial partner in the definition, design of the methodology, and the actual conduct of the research are crucial. No NASA funds will be transferred to the industrial partner. NASA funds may be used only to directly benefit U.S. citizens. Advantages of this program are as follows:

To the Industry

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

To Universities

- Allows access to the commercial research and development world
- Stimulates development 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 of 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 (30 points)
2. Relevance to NASA and West Virginia's priorities in science and technology (20 points)
3. Collaborative plan and research methodology (20 points)
4. 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 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 cover page attached. 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).

Key Words: Please include at least two key words to facilitate technical review.

Research Summary: Provide a brief summary of the proposed research using no more than four (4) single-spaced pages in font size 12. 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. The nature and extent of collaboration between the researcher and industrial partners must be clearly explained and the role of each must be defined.

Budget: Provide a one-page budget describing the project costs. The budget should clearly delineate between the funds requested from NASA WVSGC, and institutional and industrial cost share. Do not include overhead charges. Please note that NASA WVSGC funds may not be used to purchase equipment, for foreign travel, or to fund students or faculty who are not U.S. citizens. All such expenditures should come from cost share sources.

Appendices: Appendices should include at least a one-page résumé of each investigator.

Schedule

Proposal due date: March 6, 2009 by 4:45 pm

Awards announcement date: Mid-April 2009

Anticipated project start date: May 16, 2009

Project duration: One year

Proposals must be submitted on-line, plus one hard copy version, as detailed below. Please note that everything must be included in one package. Faxes and emails will not be accepted. Proposals received after the deadline will be returned. There will be no exceptions for any reason. Please note that the United States Postal Service express mail does not deliver to our office directly which causes a three-day delay. The use of FedEx is recommended to ensure on-time delivery. Please send one hard copy of your proposal to the address below:

NASA West Virginia Space Grant Consortium/NASA WV EPSCoR
G-68 Engineering Sciences Building
P. O. Box 6070
Morgantown, WV 26506-6070
Telephone: (304) 293-4099 ext. 3738
<http://www.nasa.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: _____

Total Budget: _____
Requested from NASA WV SGC: _____
Cost share from industry: _____

Key Words: _____

Institutional Approval and Signatures Certifying Availability of Cost Share Funds

<u>Academic Collaborator's</u>	<u>Industrial Collaborator's</u>
Institutional Representative	Company Representative
Name: _____	Name: _____
Title: _____	Title: _____
Address: _____	Address: _____
_____	_____
Telephone: _____	Telephone: _____
Email: _____	Email: _____
Signature: _____	Signature: _____
Date: _____	Date: _____