NASA
**Wisconsin Space
Grant Consortium**

WSGC

**2016-2017
ANNOUNCEMENT OF OPPORTUNITY**
spacegrant.carthage.edu

Research Infrastructure Program (RIP)

Applications Open: October 31, 2016
Application Deadline: December 12, 2016
Award Announcements: February 24, 2017

Awards*:

Major Awards: up to $10,000
Minor Award: up to $5,000

WSGC will not fund overhead; however, it may be counted as part of the academic institution's 1:1 project match. Successful proposals will combine a robust, relevant research project with a plan that fully integrates students into meaningful, high-caliber, significant research experiences from 10 weeks to a full or academic year, culminating in a presentation. Awards will be based on the proposal topic, quality, credentials of the investigator(s), the probability of success in developing space-related research infrastructure, and specific plans on how this seed funding will help to build this research program.

*Based on availability of funds.

Purpose: The Wisconsin Space Grant Consortium (WSGC) Research Infrastructure Program is designed to provide support to faculty and research staff from the WSGC universities and colleges seeking to initiate a new or continue a current research program, as well as from the WSGC industrial affiliates to establish a space-related research program. The awards provide faculty and research staff support for a variety of activities related to developing space science, aerospace, and space-related research infrastructure.

Categories: Awards will be made in the following categories:

1. Faculty Research Seed Grants and/or Faculty Proposal Writing
2. Research Initiatives (*e.g. seminars, workshops, and/or travel to NASA Centers*)

Programs should do two or more of the following:

- emphasize new lines of space-related research.
- increase research capability.
- build research infrastructure.
- establish research collaborations.

- initiate research opportunities in line with the NASA Mission Directorates *(For more information on NASA Directorates, see spacegrant.carthage.edu/about/mission/directorates).*
- enhance research collaborations, mentorships, and other opportunities with NASA Centers.
- establish collaborations among faculty from liberal arts colleges with faculty from research-intensive doctoral universities, Wisconsin aerospace industries, and NASA Centers.
- implement research activities linking academic and industrial affiliates, including workshops, seminars, internships, data transfer, and technology transfer.

To Apply:

- Register on the WSGC website (https://spacegrant.carthage.edu/forms/account/login) You will be required to update your information annually.
- Sign in and submit the Grant Application Form *(you may apply to multiple funding programs)* and supporting documents.

Application Requirements:

- PI and funded students must be U.S. Citizens.
- Faculty and research staff at all WSGC universities and colleges and staff at WSGC industrial affiliates are eligible.
- Research initiatives must focus on NASA-related activities including: earth and atmospheric sciences, astronautics, aeronautics, space sciences, and any other space-related fields *(e.g. agriculture, business, law, medicine, nursing, social and behavioral sciences, and space architecture).*
- The Consortium especially encourages applications from women, minorities and persons with disabilities.
- A 1:1 match

Current and Past Award Winners

Supporting Material Required with Application: Submit a proposal addressing each of the seven categories listed below. Be sure to clearly label each category within your proposal. You will be asked to upload your proposal at the bottom of the application. It should not exceed 15 pages, including figures. Proposal budgets cannot exceed 1 year and a $10,000 maximum award.

1. **Introduction/Summary:**
   Summarize your project in one page or less. Important issues to address here and in the body of the proposal are why your topic is of interest to NASA and how this project will build infrastructure or lead to the development of a larger proposal effort to NASA or another government agency. Detail how this project aligns with the goals of one or more NASA Directorates or Centers. Please be specific. **Because the WSGC is required to demonstrate the alignment of each of our projects with NASA Directorate or Center goals, proposals that do not demonstrate such alignment will not be funded.**

2. **Background:**
   Summarize current and previous research on the topic. Provide references of related work. Be aware that not all of the WSGC review panel members are likely to be experts in your area, so make sure you provide fundamental information on your topic.

3. **Proposed Activities:**
   Describe your research objectives, methods and expected outcomes. Again, be sure to provide fundamental information on your research.

4. **Time Line:**
   Please provide dates indicating when you will start the project, when you will finish the project and any dates in between when specific/important steps of the work will be started or completed. You will be required to submit an Interim Report and a Final Report.

5. **Budget:**
   You need to provide a budget summary for your proposal that shows labor (people, hours, rates and total), travel details (where, transportation costs, hotel costs, meal costs) and any other costs (with equivalent detail).

Budget Item	WSGC	Match*	Total
Be specific under this column. Category headings such as Supplies & Expenses, Equipment, and Transportation preferred.**	$XXX.xx	$XXX.xx	$XXX.xx
	$XXX.xx	----------	$XXX.xx
Annual Wisconsin Space Conference (travel/presentation)***	$ XX.xx	$ XX.xx	$XXX.xx
	---------	$ XX.xx	$ XX.xx
Total	$XXX.xx	$XXX.xx	$XXX.xx

The Research Infrastructure program normally will provide funding for labor, including your collaborators and students. Travel will also be supported if it is considered important to your work or beneficial to your research experience. Out of country travel cannot be funded. You also need to indicate matching funds and the source (overhead, equipment, labor) with similar detail. Also note that your organization is required to provide matching funds of at least 1:1 to your budget. Any institutional overhead must be applied as matching funds. Given budget limitations, we will likely not support any amount for equipment or rental of facilities. We highly recommend you find alternative means to purchase equipment or materials needed for your research and apply them as matching funds. Please see the quick reference guide to allowable and unallowable costs for Federally Sponsored Programs.

6. **Previous Funding:**
   If you have received previous funding from the WSGC Research Infrastructure Program, you must demonstrate that your past research project has met the goals and objectives of the Research Infrastructure Program. You should provide specific information on how your research led to larger proposal submission(s), broader collaborations, etc. As this is a seed grant program, priority for funding will be given to those projects that can demonstrate strongest growth in Wisconsin's aerospace infrastructure. Also include the previous support from the WSGC Research Infrastructure Program (title, date, amount).

7. **CV*:** Please include an updated two page CV. ***Note:** This grant only allows one Principal Investigator to be listed on the application.*

Award Acceptance Requirements: As part of the award acceptance, awardees will be asked to attend the Annual Wisconsin Space Conference as outlined in the award agreement and submit the following documents on the WSGC application website under Program Applications/Your Applications:

- Award Agreement Letter
- Institution W9
- Media Release Form
- One-Paragraph Biography
- Professional Photo
- Payment Information Form
- Invoice
- Proposed and Verified Final Budget
- Certification of Charges Form

- Intended and Verified Program Match Form
- Office of Education Survey
- Summary Report
- Interim Report (if project end date falls after the 1st of May)
- Final Report (due 30 days after the project end date
- Present project at the Annual Wisconsin Space Conference

If you have questions about the Research Infrastructure Program, please contact:

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