

FISCAL YEAR 2010 APPROPRIATIONS REQUESTS

GENERAL QUESTIONNAIRE -- REP. Michael Burgess (TX-26)

Must be completed and submitted NO LATER than COB February 27, 2009

Please submit completed questionnaire to matt.johnson@mail.house.gov

PLEASE NOTE: ALL REQUESTS MUST INCLUDE A FORMAL LETTER OF REQUEST ON OFFICIAL LETTERHEAD EXPLAINING THE PROJECT. THIS QUESTIONNAIRE SHOULD ACCOMPANY, NOT REPLACE, A FORMAL LETTER OF REQUEST AND ANY OTHER QUESTIONNAIRE

I. PROJECT BACKGROUND & PURPOSE

1. Please provide a formal name for this project:

Institute for Science and Engineering Simulation (ISES)

2. Please describe the project and its purpose:

The Institute for Science and Engineering Simulation (ISES) establishes the fundamental understanding required to support safety engineers in their ability to maintain the Air Force's aging fleet by predicting material performance and structural integrity using principles based on mechanics and deformation of materials at multiple scales from atoms to the macroscale.

3. Please outline the project plan, including the finance plan:

Budget and Timeline (for FY10 request)

Materials for Aerospace Applications:

1. Advanced technical and computerized modeling - \$0.70M
2. Processing of hybrid materials - \$1.0M
3. Advanced development and application of characterization and analytical tools - \$1.0M

Alloys for jet engines and aircraft structural components

1. Development of modeling and simulation programs - \$0.70M
2. Development of programs for utilization of characterization and analytical tools - \$1.2M

Development of tools for evaluation aerospace propulsion components - \$ 0.90M

Development of tools for fielded aerospace propulsion components - \$ 0.50M

Total
\$6.0M

II. BENEFIT TO THE 26th DISTRICT AND/OR THE UNITED STATES OF AMERICA

1. Please explain how this project will improve life, the economy or the general welfare of the 26th District and/or the country at-large. Please be specific (i.e. outline number of jobs created, savings to economy or taxpayers, improve national security):

The project is the **Institute for Science and Engineering Simulation (ISES)**, hosted by the University of North Texas. ISES works closely with the U.S. Air Force to remedy a critical Air Force requirement. Due to increased operations as a result of the wars in Iraq and Afghanistan during the past 8 yrs, Air Force aircraft are often pushed to perform beyond their intended design criteria: this has created serious concerns for the safety of both the aircraft and personnel. The Air Force requires modeling & simulation research to extend the life of current military aircraft. The research conducted at ISES will be used to predict/reduce risk of catastrophic failure in aircraft structural components to prevent crashes as well as help the Air Force in developing strategies for extending aircraft lifetime.

2. Please explain why this project should be considered a priority:

The safety of both Air Force personnel and aircraft are of paramount importance as the US Air Force is called upon to perform more combat missions with greater flying time and more structural stress to its aging fleet of aircraft. ISES provides state-of-the-art instrumentation and expertise to investigate and research the structural components of these aircraft, thereby enabling the Air Force to prevent catastrophic failure in major components to prevent crashes.

III. REQUEST

1. Amount of money you are requesting:

\$6.0 M

2. Agency from which you are requesting funds:

Department of Defense

3. Account from which you are requesting funds:

Dept of Air Force RDT&E

IV. FUNDING HISTORY

1. What is the total project cost and can you provide a federal-state/local-other funding breakdown?

Total cost of the project is dependent upon the needs of the Air Force. State/local funding: N/A, this is a federal program.

2. Has the project ever received federal funds before? If so, please elaborate.

Yes. FY08: \$2.5M FY09: \$6.36M

3. Has the project received state, local or private funds before? If so, please elaborate.

No

4. Can you demonstrate a commitment for future funds from state, local, or private sectors? If so, please elaborate to the extent possible.

N/A

5. How do you intend to spend federal funds for this project (operating, construction, studies, equipment purchase, salaries, other)?

6. Does the project request stem from a currently-funded federal program (i.e., an already existing congressional authorization)? If so, please explain and be as specific as possible.

No

V. PROJECT HISTORY

1. Please briefly explain the level of support for the project in the local and any other community (if letters of support exist, please attach to this form).

N/A

2. Has the project encountered any objections within the local or other interested communities? If so, please describe (if letters or official records exist noting objections to the project, please attach to this form).

No

3. Please briefly explain the current stage and expected timeline of the project in a great a detail as possible.

ISES researchers and engineers work closely with the Air Force Research Laboratory. AFRL provides guidance to ISES with respect to Air Force requirements and duration of projects

VI. CONTACTS

1. Who is the primary point of contact for the request?

Dr. Vish Prasad, Vice President for Research, University of North Texas

2. Contact information (telephone and e-mail):

(940) 369-7487 vprasad@unt.org

3. Mailing address of entity that would receive the funding?

Hurley Administration Building 175
P.O. Box 310979
Denton, TX 76203-0979

VII. TRANSPORTATION PROJECTS

1. How much of this request can be spent in fiscal year 2009?

2. If this is a highway, transit, rail, or aviation request, did you check eligibility with the state DOT, FTA, FRA, or FAA?

2a. If yes, did the agency indicate the project is eligible under the account requested?

3. If this is an FHWA request, is the project considered by the state and/or regional transportation officials as critical to their needs?

4. If a highway request, is the project on the state's transportation improvement plan?

PRIORITY PROJECT REQUEST CRITERIA

CERTIFICATION:

I, Dr. Gretchen Bataille, ATTEST THAT THIS PROJECT REQUEST MADE ON BEHALF OF University of North Texas –Denton, MEETS THE FOLLOWING CRITERIA:

1. All appropriations requests must be a priority for the 26th District and/or the country-at large as defined as enhancing life, liberty, or the general welfare.
2. All requests must be a proper and wise use of federal taxpayer dollars and must be justified as such. Projects that include a commitment to match federal funds will receive priority consideration.
3. All requests will be immediately posted on the website and supporting documentation made available to press outlets and interested individuals.

4. None of the funding requested will be used for a building, program, or project that has been named for Congressman Michael C. Burgess, M.D. No request will be made that Congressman Burgess or his spouse has any financial interest.

5. All requests shall be made in accordance with House of Representatives rules, and within Appropriations Committee deadlines. No funding request will be submitted after the deadline established by the Committee

Name of person certifying: Dr. Gretchen Bataille

Title of person certifying: President, University of North Texas

Project name as it will appear in the bill _____


Institute for Science and Engineering Simulation

Legal name of entity making request _____

University of North Texas

Address _____

**University of North Texas
Hurley Administration Building 175
Denton, TX 76203-0979**

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Signature Date 3-4-09