

Special Notice (SN) DARPA-SN-09-07: REstoring SURvivability by REConstructing Trauma (RESURRECT) Industry Day DATE: December 16, 2008, REGISTRATION DEADLINE: December 11, 2008, TECHNICAL POC: COL Geoffrey Ling, DARPA/DSO, Ph: (571) 218-4974, URL: <http://www.sainc.com/RESURRECT/>

RESURRECT Industry Day, DARPA-SN-09-07. The Defense Sciences Office (DSO) of the Defense Advanced Research Projects Agency (DARPA) is sponsoring an Industry Day for REstoring SURvivability by REConstructing Trauma (RESURRECT), a potential new DARPA program. This potential program would seek to create high-fidelity computer simulations of in-theatre events for tactical, operational and strategic review. In order to do this, investigators will need to merge data collected from a variety of existing or novel sensors with anecdotal descriptions of events, medical records, autopsy findings and imagery, and other sources, and create descriptive and predictive algorithms that can be implemented in an existing simulation software package. Innovative, revolutionary, multi-disciplinary research led by a strong systems integrator is strongly encouraged.

The Industry Day will be held at the Westfields Marriott in Chantilly, Virginia on Tuesday December 16, 2008. The goals of the Industry Day are: (a) to introduce the research community (industry, academia, and Government) to the RESURRECT program vision and goals; (b) to encourage and promote teaming arrangements among potential research organizations that have the relevant expertise, facilities, and capabilities for executing a research and development program responsive to the RESURRECT program goals; and (c) to facilitate interaction between investigators that may have capabilities to develop elements of interest and relevance to the goals of the program. The Industry Day will include overview presentations by Government personnel, a poster session to facilitate interaction and team building among the participants, and an opportunity to interact and present capabilities and concepts to Government personnel in closed-door sidebar sessions. Additionally, a teaming website is provided to facilitate these interactions and can be found at <http://www.sainc.com/RESURRECT/>.

Appropriate teaming will be a critical element in responding to an anticipated DARPA RESURRECT solicitation. Industry Day participants are strongly encouraged to prepare posters describing areas of capabilities in order to facilitate communications, interactions, and teaming discussions during the poster session. Posters must be submitted by December 5, 2008, at 4 P.M. ET. A maximum of 75 4ft. by 4 ft. posters can be accommodated. Industry Day details (including poster submissions) are given on the RESURRECT website at <http://www.sainc.com/RESURRECT/>.

There is no fee for any Industry Day activities. Registration is limited by the venue capacity (maximum of 150 attendees) and early registration is strongly recommended. Institutions are limited to two attendees. The registration cutoff date is December 11, 2008, at noon ET, or once attendance capacity is met, whichever comes first. An on-line registration form, preliminary agenda, citizenship verification form, foreign national visit request form, meeting details, and hotel information can be found at the following registration website, <https://enstg.com/Signup/default.cfm?ThisCode=RES22898> (using the conference code: RES22898).

Further administrative information is available on <http://www.sainc.com/RESURRECT/>. Additional technical information can be obtained from COL Geoffrey Ling (gling@darpa.mil). Please refer to “RESURRECT Industry Day” in correspondence. This announcement is not a request for proposals.

Material presented at the Industry Day, including posters presented at the poster session, DARPA presentations, and any DARPA response to clarification inquiries, will also be available at <http://www.sainc.com/RESURRECT/> for those interested in RESURRECT but unable to attend.

Attendees wishing to describe their capabilities in a closed-door session with Government personnel must submit an abstract description of their research and capabilities using format guidelines provided below; there will be 30 sessions total, with each session lasting no more than ten minutes. Individuals who are unable to attend, or who cannot be accommodated due to limitations on number of sessions, may still provide information.

Topics of interest include: anatomical and biomechanical models, including modeling of ballistics and blast physics that can determine initial conditions from sensors, medical data, or damage to material structures; data analysis techniques to leverage data from disparate sources and sensors to reconstruct an event by improving fidelity of information; implementation of finite element analysis in simulated systems; and fabrication of low-power, lightweight portable sensor systems directly related to the collection of data for input into biomechanical and environmental models.

DARPA appreciates responses from all capable and qualified sources, including but not limited to, universities, university affiliated research centers, and private or public companies.

Abstract responses should adhere to the following formatting and outline instructions:

1. Format specifications include 12 point font, single spaced, single-sided, 8.5-by-11-inch paper, with 1-inch margins. All submissions must be made electronically (as described below), and be in either Adobe PDF or Microsoft Word format.
2. Cover Page (1 page)
 - a. Title
 - b. Organization
 - c. Responders technical and administrative points of contact (names, addresses, phones and fax numbers, and email addresses)
3. Technical Ideas (up to 2 pages of text with up to 4 pages of appended figures and diagrams)
 - a. Executive summary
 - b. A discussion of the capability/challenge addressed (from your perspective)
 - c. Technical response. Your discussion should address the following: What is your proposed innovative technology/concept? How does it address the specific capability/challenge that you identified? What extensions or advances are needed to achieve the RESURRECT vision?
4. An optional list of citations, including URLs, if available.

DARPA will employ an electronic upload process for response submissions. **NO PROPRIETARY OR CLASSIFIED INFORMATION SHALL BE INCLUDED IN THE SPECIAL NOTICE (SN) ABSTRACT response.** Responses to this SN are due no later than 1600 EDT (4:00 p.m.), on December 12, 2008. Responders may find submission guidance at: <http://www.sainc.com/RESURRECT/>.

This is a SN issued solely for information and new program planning purposes; the SN does not constitute a formal solicitation for proposals or proposal abstracts. In accordance with FAR 15.201(e), responses to this notice are not offers and cannot be accepted by the Government to form a binding contract. Submission is voluntary and is not required to propose to subsequent Broad Agency Announcements (if any) or research solicitations (if any) on this topic. DARPA will not provide reimbursement for costs incurred in responding to this SN. Respondents are advised that DARPA is under no obligation to acknowledge receipt of the information received, or provide feedback to respondents with respect to any information submitted under this SN.

In the event of a BAA or other solicitation, all information submitted in response to the SN will be considered public information and will be provided on a public website. **AGAIN, NO PROPRIETARY OR CLASSIFIED INFORMATION SHOULD BE INCLUDED IN THE SN RESPONSE.** It is the responder's responsibility to ensure the material has been approved for public release by the organization that funded the research.

Original Point of Contact

Geoffrey Ling, DARPA Program Manager, Phone (571) 218-4674, Fax (703) 807-4956