

The Small Business Innovation Research program funds early-stage R&D at small technology companies and is designed to stimulate technological innovation, increase private sector commercialization of federal R&D, increase small business participation in federally funded R&D, and foster participation in minority and disadvantaged firms in technological innovation.

This year's IPTO nominees for outstanding performance by a small business are:



PI: Ace Sarich

Over the last five years the VoxTec division of Marine Acoustics, Inc. has been working on DARPA funded research in the development of a voice-to-voice phrase translation system. Voxtec has developed and the Phraselator, which has become a valuable tool for warfighters around the world enabling them to communicate where language resources are scarce. It has received recognition and praise from military leaders at the highest levels.



PI: Azad Madni

Network-enabled warfare and the emergence of the Global Information Grid have opened up unprecedented possibilities in C2 operations and attendant decision-making. Among the most important, is achieving near-instantaneous awareness within the distributed battlespace environment for informed decision making. The specific innovation of this SBIR is the creation of process-aware zero latency enterprise technology that achieves this objective.

Defense Advanced Research Projects Agency

DARPA is the central research and development organization for the Department of Defense. It manages and directs selected basic and applied research and development projects for DoD, and pursues research and technology where risk and payoff are both very high and where success may provide dramatic advances for traditional military roles and missions.



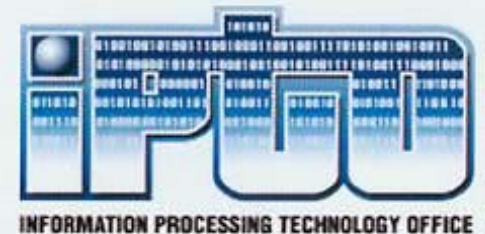
Information Technology Processing Office

DARPA's IPTO will create a new generation of computational and information systems that possess capabilities far beyond those of current systems. These cognitive systems - systems that know what they're doing will be able to:

- Reason, using substantial amounts of appropriately represented knowledge;
- Learn from their experiences and improve their performance over time;
- Explain themselves and taking naturally expressed direction from humans;
- Have awareness of themselves and able to reflect on their own behavior;
- Respond robustly to surprises.

DARPATECH 2004 AWARDS BANQUET

IPTO NOMINEES



The Awards Banquet at DARPATech allows for a special recognition of outstanding performance in helping DARPA achieve its high-risk, high-payoff goals. Without contributions from these people and teams, the consistent paradigm shifts in defense technology that DARPA is known for would not be possible.

Dr. Ron Brachman
Director
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Dr. Barbara Yoon
Deputy Director
byoon@darpa.mil

Azad Madni- ISTI


Sustained Excellence by a Performer & Significant Technical Achievement

Dr. Madni's significant accomplishments include: a) innovations in modeling, simulation, and process-aware systems technology, specifically, the development of the "just enough fidelity" principle to lower the computation and dollar cost of simulators while achieving the goals of the modeling and simulation application b) pilot evaluation and successful transition of DARPA-sponsored technologies to PACOM SPAWAR, NSWC, AFRL, CECOM, and major aerospace companies and c) adoption of DARPA-sponsored process-aware systems technologies within Raytheon and SPAWAR for planning and managing change initiatives such as Six Sigma and CMMI.



Richard Fujimoto- Georgia Tech

Sustained Excellence by a Performer

 Richard Fujimoto, Professor in the College of Computing at the Georgia Institute of Technology (Georgia Tech), has consistently and effectively directed superior research as principal investigator of the "Backplane Approach to Flexible, Efficient Network Emulation" project, and has tirelessly directed several NMS integration and transition efforts. His team of researchers at Georgia Tech is creating a parallel software backplane that enables the reuse of models and incorporation of multiple simulation and emulation tools to create faster and more scalable simulations.

Anantha Chandrakasan- MIT

Sustained Excellence by a Performer

Dr. Chandrakasan has provided significant sustained technical contributions as a technical performer and leader in the Power Aware Computing and Communications (PAC/C) program. He has been recognized nationally for power aware and future semiconductor development issues and is an instrumental leader in the transition of power aware technologies into the user and the commercial communities. His contributions have resulted in an awareness of the importance and impact of power aware implementations, the development of key technical advances in the power aware community, and the transition of power aware technologies both to users and the commercial community.



DARPA Tech 2004



MARCH 9-11 ANAHEIM, CA

The Director's Award Program
recognizes outstanding performance in
three award categories:

- Sustained Excellence by a Government Agent
- Sustained Excellence by a Performer
- Significant Technical Achievement

Rosie Fulmer- DOINBC Fort Huachuca

Sustained Excellence by a Government Agent

The team at Fort Huachuca, led by Rosie Fulmer and Pat Woznick, has changed the way that IPTO Program Managers are able to do business. Their quick and efficient work in contractual and financial management has made it possible to process contractual additions, deletions, and modifications in a matter of weeks rather than months. The timeliness and willingness to work with business financial support has had direct technical impacts on many programs. They have repeatedly enabled performers to answer the necessary questions, make the necessary connections, and get the necessary money to do their work.



Commander Eric Rasmussen, MD, USN

Sustained Excellence by a Government Agent

Cdr. Eric Rasmussen is nominated for sustained excellence and significant achievement in spearheading seminal tests and technology transitions during the past nine years. He is currently playing a leading role in applying TIDES research products in Iraq. Cdr. Rasmussen stands out in many ways — because of his exceptional vision, innovation, perseverance, and accomplishments — and because he contributed to DARPA's mission primarily on his own time (simultaneously meeting the demands of full-time Navy assignments in the U.S. and abroad).