



News Release

Defense Advanced Research Projects Agency

“Providing technological innovation for national security for over 40 years.”

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IMMEDIATE RELEASE

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DARPA FUNDS 36 URBAN WARFIGHTING TECHNOLOGY PROJECTS

The Defense Advanced Research Projects Agency (DARPA) has selected 36 projects for funding under the agency’s new effort to develop technologies to provide revolutionary warfighting improvements for the urban environment. Subject to negotiation, researchers will receive between \$130,000 to \$2,700,000 for their initial six- to 12-month feasibility demonstrations. The list of selected projects is attached below.

The DARPA Force Multipliers for Urban Area Operations effort will develop technologies to make the planning and execution of urban operations as responsive, flexible and successful as other aspects of U.S. warfighting. A particular focus is technologies that reduce casualties and collateral damage while providing higher mission effectiveness with smaller numbers of U.S. forces.

The selected projects are:

Performer	Location	Title of Effort
AETC Inc.	San Diego, Calif.	Sound Exploitation in the Urban Environment
Alphatech Inc.	Burlington, Mass.	3D Extrasensory Situational Perception Program
Applied Research Associates Inc.	Raleigh, N.C.	Firefight Aerial Sensor and Mapper (FASAM)
Applied Research Associates Inc.	Raleigh, N.C.	Optical Mapping and Navigation for GPS-Denied Operations
Applied Research Associates Inc.	Alexandria, Va.	Concealed Weapons and Explosives Detection at a Distance
Aptima Inc.	Woburn, Mass.	ACUMEN: Anticipatory Culture-based Urban Modeling Environment
BAE Systems	Washington, D.C.	Millimeter Wave Exposure to Enhance Optional Recognition (METEOR)
BAE Systems	Washington, D.C.	Non-Stop Communications
BAE Systems	Lexington, Mass.	Low Cost IR Situational Awareness and Threat Warning System

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BAE Systems	Austin, Texas	The Rational Observer
BBN Technologies	Cambridge, Mass.	Force Multipliers for Urban Area Operations
BBN Technologies	Arlington , Va.	Persistent, Robust 3-D All-Source Target Tracking Using Multistatic, Broadband Radar in Urban Combat Zones
BBNT Solutions	Cambridge, Mass.	Social and Cultural Analysis and Learning Environment for Urban Pre- and Post-Conflict Operations (SCALE-UP)
DEKA R&D	Manchester, N.H.	A Rapid Vertical Mobility Concept for Urban Area Operations
Draper Laboratory	Cambridge, Mass.	Innovative Indoor Geolocation using RF Multipath Diversity
Draper Laboratory	Cambridge, Mass.	Precision Emplaced Packages
General Atomics	San Diego, Calif.	RAPTOR VIEW High-Resolution, Persistent Surveillance
Harris Corp. GCSD	Melbourne, Fla.	Novel Communications for Urban Environments
ISX Corp.	Camarillo, Calif.	Culturally Aware Peacekeeping Toolset.
Lockheed Martin	Cherry Hill, N.J.	Anticipatory Models for Force Multiplication and Stabilization Analysis (AMFM)
NextGen Aeronautics	Torrance, Calif.	Dual Mode Small Gunship
Omnitech Robotics International	Englewood, Colo.	Perching Sensor Emplacement Method
PPG Industries Inc.	Allison Park, Pa.	Enhanced Survivability for Ground and Air Assets in an Urban Warfare Environment: Nanostructured B4C for Lightweight Armor Applications
Raytheon Co.	Tucson, Ariz.	Quick-Kill Active Protection System
Raytheon Co.	Marlborough, Mass.	Head Mounted Alerting for Urban Operations
SAIC	San Diego, Calif.	Smart Dust Sensor Networks Applied to Urban Area Operations
SAIC	Champaign, Ill.	Urban Operations: Propagation Modeling for Sensing and Communications: Predictive Electromagnetics for RF Sensing and Exploitation of Urban Structures (PERSEUS) System
SAIC	Ann Arbor, Mich.	Focused Situation Awareness for Urban Operations
SAIC	Arlington, Va.	Automated Population of Renewed-Conflict Models

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Sandia National Laboratory	Albuquerque, N.M.	Air-Dropped Vertically Traversable Unmanned Ground Vehicles
Sandia National Laboratory	Albuquerque , N.M.	Culturally Appropriate Multiplayer Gaming Environment for Interactive, Urban-Operations Training
Smart Information Flow Technologies	Minneapolis, Minn.	Cultural Modules for Rapid Creation of Cross-Cultural Training Simulations
SRI International	Menlo Park, Calif.	Electroadhesive Wall-Climbing Robot for Three-Dimensional Mobility in Urban Environments
The Analysis Group	Falls Church, Va.	Automated Decision Support for Urban Operations
University of Texas-Austin	Austin, Texas	Low-Cost Radar Sensors for Personnel Detection and Tracking in Urban Areas
Wave Technologies	Chantilly, Va.	Rapid Training Environment (RTRAIN) Applied to Contemporary Urban Warfare

Project list corrected 12/22/04

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