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CONTACT: Howard Cohen, 301-227-3105; Steve Honda, 301-227-2057

National Geospatial-Intelligence Agency Announces Winners of the 2004 Innovations in Geospatial Intelligence BAA Award

Winners of the National Geospatial-Intelligence Agency (NGA) "2004 Innovations in Geospatial Intelligence BAA" were announced today at the GEOINT 2004 Symposium held in New Orleans. The five companies that were selected will receive research and development funds at varying amounts that will total more than \$1 million.

The NGA Broad Agency Announcement requested two categories of proposals –

- 1) Full Spectrum (Application of hyperspectral and multi-spectral imaging and novel remote sensing technologies)
- 2) Persistent Surveillance (Applications of persistent surveillance imaging (or other persistent sources))

The winners were announced by Laura Snow, Deputy Director of the NGA InnoVision Directorate. The Selection Committee, headed by Stephen Long, Technical Executive in NGA's InnoVision Directorate, reviewed 82 proposals from more than 40 organizations. The Selection Committee reported that the winning proposals met the strategic goals of the BAA—serving to identify new and unique ideas, concepts and systems to meet geospatial intelligence problems.

"Our thanks go to all of the companies who participated. We received excellent proposals and look forward to working with the selected companies on solving geospatial problems facing the nation," said Jaan Loger, Director of InnoVision.

The winners:

The Charles Stark Draper Laboratory, Inc.

555 Technology Square

Cambridge, MA 02139-3563

Contracting POC: Ms. Valerie Masnicki, (617) 258-3358

Technical POC: Ms. Tamar Peli, (617) 258-3608

Area of Interest: Spectral Technology

Award Amount: \$250,000

Proposal: "Spatio/Temporal Automatic Cuing Using Wavelet Packets". Draper proposes to develop a tool set that combines spectral decomposition (using wavelet packets) with non-Gaussian detection methods and spatial filtering to provide an automated exploitation tool that will provide cues to structures and activities of military significance.

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ITT Industries, Advanced Engineering and Sciences

2560 Huntington Av., Suite 200

Alexandria, VA 22303

Contracting POC: Mr. Bryan Campbell, (719) 599-1711

Technical POC: Mr. Vernon M. Smith (719) 599-1636

Area of Interest: Spectral Technology

Award Amount: \$219,570

Proposal: "Advanced Tasking for Spectral Technologies with the MESO/RUSTIC Rural and Urban Dispersion Capabilities and the SPEED Sensor Simulation Tool". ITT proposes to create a spectral technology advanced tasking software tool that will "simulate before you task," thereby improving the accuracy of spectral studies.

Advanced Software Resources, Inc., The ADAM Systems Group

70 Bonaventura Drive

San Jose, California 95134

Contracting POC: Mr. Joe Dodson, (408) 986-9979

Technical POC: Mr. Robert Schreiner, (408) 526-0500 x236

Area of Interest: Persistent Surveillance

Award Amount: \$229,982

Proposal: "AFF Enabled Geospatial Digital Asset Management Engine". ADAM/ASR proposes to create a geospatial asset management and intelligence system capable of handling the broad range of multimedia now available, in addition to the metadata and information-rich data traditionally collected by the intelligence community.

Raytheon Company, Intelligence and Information Systems

PO Box 660023

Dallas, TX 75266-0023

Contracting POC, Ms. Michele Kirk, (972) 205-4225

Technical POCs: Mr. Richard Landis/Mr. Craig MacPherson, (972) 205-5629

Area of Interest: Persistent Surveillance

Award Amount: \$206,563

Proposal: "Assured Tracking from Variable Rate Multi-Source Imagery," Raytheon proposes to demonstrate mobile target tracking and real time predictive re-tasking that can be used with national and tactical surveillance collector platforms, in the context of tracking high value targets for long periods (30 minutes or more), with gaps in sensor coverage ranging from 1 to 3 minutes.

Leica Geosystems GIS & Mapping LLC, Leica Geosystems Defense Solutions

5400 Shawnee Road, Suite 206

Alexandria, VA 22312

Contracting POC: Mr. John Murphy, (703) 354-7415

Technical POC: Dr. William Hamilton, (978) 363-1234

Area of Interest: Persistent Surveillance & Spectral Technology

Award Amount: \$109,534

Proposal: "Time Change Representation and Approaches for Updating and Managing Temporal Geospatial-Intelligence Information." Leica proposes to incorporate a time-series component extraction engine into ERDAS IMAGINE. This will allow time dependent change analysis to be performed across any data type (pixels, MSI/HIS data cubes, geospatial files) within the existing NGA framework.

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NGA is a Department of Defense combat support agency and a member of the National Intelligence Community whose mission is to provide timely, relevant and accurate geospatial intelligence in support of our national security. Geospatial intelligence is the exploitation and analysis of imagery and geospatial information to describe, assess and visually depict physical features and geographically referenced activities on the Earth. Headquartered in Bethesda, Md., NGA has major facilities in the Washington, D.C., Northern Virginia, and St. Louis, Mo., areas with NGA support teams worldwide.