

# CCAT NEWSLETTER

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## CCAT News

### CCAT Wraps Up a Successful 2006

CCAT can count 2006 as another successful year: 33 CCAT-supported technologies engineered specifically for defense and homeland security completed their contracts and successfully moved forward in their commercialization process and toward the ultimate goal of putting these new technologies in the hands of American military and Homeland Security personnel. Eight of these technologies were launched into the marketplace with customers that include the U.S. Navy, Marine Corps, Army, Coast Guard and Air Force, as well as several major defense contractors.

Most recently, the CCAT program received \$4.3 million from the Department of Defense in accordance with the 2006 follow-on contract. The new monies will allow CCAT to provide additional commercialization funding and services to labs and entrepreneurs focusing on military robotics and biometric identification technologies, as well as the most recent solicitation seeking DoD technologies from SBIR-funded companies.

### CCAT San Bernardino Announces 2006 Award Recipients



CCAT San Bernardino (OTTC) has announced product development funding and commercialization services awards to seven companies with technologies focused on biometrics and DoD unmanned ground vehicle (UGV) payloads. Selected organizations offered presentations to a panel of academic and industry experts on November 2, 2006 to determine the top technologies in those providing secure bio-identification and those providing enhancement to specific existing military robotic platforms. Companies receiving awards include:

#### Robotics

- **CornerTurn, LLC** (Corona, CA) –BOTDROPS Leave Behind Sensors
- **NanoEngineering, Corp** (West Palm Beach, FL) –Robotic Integration of DMA Sensor
- **Trex Enterprises Corp** (Kahului, HI) –Compact Radar Imaging System
- **Embedded Computer Products** (Wildomar, CA) –Highly Integrated and High Speed Pattern Recognition

#### Biometrics

- **Bionics America** (Los Angeles, CA) –Blood Vessel Authentication Systems (BVAS) Test and Evaluation
- **GEM Power, Inc** (Redlands, CA) –Universal Battery Charger for Biometric Sensing Equipment
- **Lumidigm, Inc** (Albuquerque, NM) –Securing the J-Series Biometric Platform for Commercial Markets and Maximizing Biometric Performance Through Real-Time Presence Detection and Quality Assessment (2 technologies/awards). [More...](#)

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Innovation For a Safer Nation

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Sandy Ehrlich, Brian Bilbray, Lou Kelly

## CCAT San Diego Hosts Round Table Event with Congressman Bilbray

On October 11, 2006, representatives from CCAT San Diego and six CCAT clients met with Rep. Brian Bilbray (R-CA 50th) at the California Center for the Arts in Escondido, CA to present information on their technologies and discuss their work with the federal government. Representatives from Seacoast Science, AIRSIS, Pixon, Crossflo Systems, Daylight Solutions and Pacific Microwave Research also talked about CCAT's impact on their businesses.

Congressman Bilbray, whose support was instrumental in the founding of the CCAT program, was recently re-elected in the 50th district to another term in Congress. [More...](#)

## LA Times Reports on CCAT Technologies

Reporter James Gilden visited three CCAT clients with airport security technologies and reported on his findings in the September 23 edition of the Los Angeles Times. Featured were Daylight Solutions and their Tiny Tunable laser technology; GE Security (formerly Quantum Magnetics) and their kiosk for the registered travelers' lane; and Seacoast Science and their MEMS-based chemical sensors. [More...](#)

## RFP List Now Available from Nine Sigma

A listing of requests for proposals (RFP) is now available to CCAT clients through Nine Sigma. Nine Sigma, a private company in Cleveland, OH, works with large companies to help match their RFPs with specific technologies that can fulfill requirements. Many of Nine Sigma's customers are Fortune 500 companies and defense contractors.

Lists are updated every two weeks and there is no cost to CCAT clients to submit a proposal. The list will be sent via e-mail to CCAT clients through CCAT contacts to ensure client privacy. Please contact Suzanne Finch for more information.

## CCAT Program Director Gives Presentation at ASIS Conference

On September 26, CCAT Program Director, Barry Janov gave a presentation at the 2006 ASIS International 52nd Annual Seminar & Exhibit which discussed *Emerging Technology Trends in the War on Terror*. CCAT technologies either in current or potential use by the military and/or first responders against terrorism were highlighted during the presentation. [More...](#)



Barry Janov at ASIS presentation

# CCAT Clients

## GEM Power

GEM Power's leadership team of Bob Richards, John James and Monty Dill were named as Finalists in the 2006 Spirit of the Entrepreneur Awards in the Technology Entrepreneur category. Sponsored by the Inland Empire Center for Entrepreneurship (IECE) and the Riverside Press Enterprise, among others, the Spirit of the Entrepreneur Awards program was launched to honor the top entrepreneurs in the Inland Empire. [More...](#)



First Responders' DC/DC Charger

## Lunar Rocket and Rover Company

Lunar Rocket and Rover Company showcased its completed mobile launch platform at California State University, San Bernardino (CSUSB) on October 26, 2006 with university President Dr. Albert K. Karnig doing the unveiling on campus. The California Space Authority has announced that Lunar Rocket will be sharing a \$1 million DoD-administered congressional appropriation with the non-profit Space Information Laboratories (Santa Maria, CA) for education-based rocket launches from Vandenberg Air Force Base. [More...](#)

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## Biaera Technologies, LLC

The Mid-Atlantic Region of the Federal Laboratory Consortium presented their Regional Excellence in Technology Transfer Award to Dr. Justin Hartings and Dr. Chad Roy during the Region's annual meeting, September 19 – 21, 2006. Hartings and Roy's company, Biaera Technologies, LLC, licensed the technology, "Automated Inhalation Toxicology Exposure System" (also known as *AeroMP*), from the U.S. Army Medical Research Institute and Material Command (USAMRMC). [More...](#)

## Lumidigm, Inc.

Albuquerque-based Lumidigm, Inc. recently announced that the company was presented with the 2006 Information Technology Excellence Award for Integrated Systems, from the New Mexico Information Technology & Software Association (NMITSA) on October 19, 2006. The NMITSA is the state's largest advocacy group for IT & software related business. [More...](#)



Lumidigm's J110 System

## CONNECT MIP Awards



Seacoast Science, Assure Controls, Softmax Inc., and Daylight Solutions were nominated for 2006 CONNECT Most Innovative New Product ("MIP") award. To be eligible for consideration, the product must have been developed by a local San Diego county company, must have generated revenue from sales, and must have first come to market within the 12 month period before the competition. [More...](#)

## XCOM Wireless, Inc.

XCOM Wireless, Inc. has selected Innovative Micro Technology (IMT) to manufacture die(s) for their radio frequency (RF) MEMS Relay product. XCOM is now sampling their RF MEMS Relay product for size-constrained and performance-critical applications in Automated Test Equipment (ATE), RF test equipment, civilian radios, and military radios. [More...](#)

## CCAT Clients in the Press

Nine CCAT clients were the subject of recent feature articles in industry and local press. Those clients included:

- **PixonImaging** –San Diego Daily Transcript
- **AIRSIS** –San Diego Union-Tribune
- **Emcore** (formerly Phasebridge) –Military Electronics, San Gabriel Valley Tribune
- **Assure Controls** –San Diego Union-Tribune
- **Novatron** –Government Security
- **American BioHealth** –San Diego Daily Transcript
- **Pacific Microwave Research** –North County Times, 9-1-1 Magazine, San Diego Daily Transcript
- **Biaera Technologies, LLC** –The Daily Record (Baltimore)
- **Lunar Rocket and Rover Computer** –Press Enterprise (Riverside, CA)

## More CCAT Client News

- Lumidigm, Inc. was recently informed that the United States Patent Office has issued U.S. Pat. No 7,147,153 for their multispectral imaging technology.
- Los Alamos National Laboratory was the recipient of an Outstanding Technology Development award from the Federal Laboratory Consortium (Mid-Continent Region) for its Hands-Off Sampler Gun. The award was presented during the group's annual 2006 meeting.

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# CCAT Events



CCAT staff will answer questions and provide program information in booth 1644 at the AFCEA 2007 Western Conference and Exposition. The event will be held at the San Diego Convention Center from January 31 – February 2. [More...](#)



CCAT will invite representatives from the venture capital and investment community to interface with clients currently looking for investment opportunities at the annual CCAT Investor Event reception in La Jolla starting at 4 p.m. on **Tuesday, March 27**. Appetizers and beverages will be served at the event. The event will be by invitation only. If you would like to be added to the guest list, please contact Suzanne Finch or call 619-594-7221.

# Mark Your Calendar...



CCAT will be exhibiting and will be delivering a presentation offering expertise on *Spinning Military and Academic Lab Technologies into the Marketplace* during the World's Best Technologies event on May 15 from 2:45 – 3:45 p.m. This year's event, from May 15 – 16, 2007, will be held at the Dallas Fort Worth Metroplex in Arlington, TX. [More...](#)

# Other Events



CCAT partner, Jacobs School of Engineering at University of California, San Diego will be hosting their Research Expo on February 23, 2007. The event kicks off at 8:30 a.m. with a research poster exhibition, followed by breakout sessions at 10:30 a.m. The luncheon, starting at 12:30 p.m., will feature Google's Alan Eustace, VP of Research and Systems Engineering as the keynote speaker. [More...](#)

## CCAT Mission Statement

*CCAT identifies new technologies critical to national defense and homeland security and accelerates their commercialization via a national partnership of universities, industry, and government.*

CCAT partners include California State University, San Bernardino, Office of Technology Transfer and Commercialization; San Diego State University, College of Business Administration, Entrepreneurial Management Center; San Diego State University Research Foundation; University of California, San Diego, Jacobs School of Engineering and von Liebig Center; CONNECT; The Security Network; Space and Naval Warfare Systems Center, San Diego (SSC San Diego).

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