

CCAT NEWSLETTER

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CCAT News

CCAT Announces Solicitation Schedule

The Center for Commercialization of Advanced Technology – Southern California (CCAT SoCal) is pleased to announce the opening of its latest solicitation. CCAT is focusing this national solicitation in support of advanced robotic systems, force health protection, and other key technology needs to meet urgent Department of Defense requirements. Applications will be accepted from 8 a.m. (PST) Monday, January 28, 2008 through 4 p.m. (PST) Wednesday, February 27, 2008. It is anticipated that awards will be granted on or about April 30, 2008.

Technologies/products sought should be mature and have demonstrated effectiveness. The business and technical assistance CCAT provides is designed to assist industrial, academic, and governmental organizations with transitioning these technologies/products into the hands of military customers and, where appropriate, into the civilian community. Business assistance is designed to fully ascertain the commercial potential of technologies/products and strategically position an organization to successfully transition its technology/product to the market. Technology assistance is intended to create form factors for technologies/products appropriate to military applications and ready them for smooth transition.

For more information about the solicitation or to apply, please visit www.ccatsocal.org



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Lieberman Wins National Award

The Federal Laboratory Consortium (FLC) announced that Dr. Stephen Lieberman has been chosen to receive the FLC program's 2008 Technology Transfer Representative of the Year award. The award is one of the program's highest honors as it recognizes the federal lab representative that has made the most significant contributions to the FLC in the past year. Dr. Lieberman will collect his award during the FLC's national meeting in Portland, Oregon on May 8, 2008.

Dr. Lieberman is a CCAT board member and director of the Technology Transfer Office at Space and Naval Warfare Systems Center, San Diego (SSC San Diego). [More...](#)



Dr. Stephen Lieberman

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Innovation For a Safer Nation

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CCAT Featured in Investor's Business Daily and L.A. Times

CCAT was the subject of articles appearing in the October 10, 2007 issue of *Investor's Business Daily* and the January 3, 2008 issue of the *Los Angeles Times*. Both articles examined CCAT's role in commercializing new technologies from small companies, including those integrated into SSC San Diego's robotics program. In addition, representatives from CCAT clients Pacific Microwave Research, Avaak and Liteye were interviewed about CCAT's impact on their business and their technologies.

CCAT Clients Named as Spirit of the Entrepreneur Award Winners/Finalists

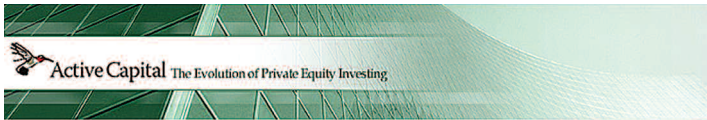
CornerTurn LLC's David Jackson was announced as the winner in the Emerging Entrepreneur category during the Spirit of the Entrepreneur Awards ceremony held at the Riverside (Calif.) Convention Center on November 14, 2007. Agenor Mafra-Neto, Reginald Coler and Annlok Yap of ISCA Technologies were named as finalists in the Technology Entrepreneur category; and Monty Dill, John James and Robert Richards of GEM Power were named as finalists in the Innovator Entrepreneur category.

The Spirit of the Entrepreneur Awards program was launched in 2003 by the Inland Empire Center for Entrepreneurship (IECE) at California State University, San Bernardino, the Press-Enterprise Co., and the Business Press to honor the top entrepreneurs in California's Inland Empire region. [More...](#)



CornerTurn's David Jackson

Active Capital Network Now Online



CCAT San Bernardino has partnered with Active Capital, the only Web site approved by the Securities and Exchange Commission (SEC) that connects angel and venture capital investors with small businesses. All CCAT clients seeking investor funding are encouraged to sign up on the Active Capital website at no charge. There is also no charge to investors seeking potential investment opportunities. For more information, please visit the [Active Capital](#) website.

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CCAT Clients Win CONNECT's Most Innovative Product Awards



Dean Rosenberg accepts AIRSIS' award

On December 14, 2007, CONNECT announced two CCAT clients, Seacoast Science Inc. and AIRSIS Inc., as winners in CONNECT's 20th Annual Most Innovative Products (MIP) Awards. CONNECT received nearly 100 award applications from San Diego County companies competing for the MIP honors.

Award-winner Seacoast Science took the prize in the Security Technology category for their SC-210 technology which is designed to detect dangerous chemicals with an extremely high level of accuracy. AIRSIS won the award in the Software and IT category for their PortVision technology which allows port authorities the ability to track and monitor up-to-the-minute commercial shipping activity. [More...](#)



Louis Haerle accepts Seacoast Science award

CCAT Clients

Lumidigm Inc.

Lumidigm of Albuquerque, N.M. stated that the company has been awarded \$730,000 in funding through the U.S. Army's Small Business Innovation Research Program (SBIR) in order to continue development of their whole-hand biometric sensor. The sensor collects four distinct biometric signals for each hand insertion: fingerprints, palm prints, skin textural characteristics and hand shape. [More...](#)

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In other company news, Lumidigm fingerprint was featured in the October/November issue of Innovation magazine. The article focused on the ability of the sensor to detect the capillary system under the skin, thus making it impossible to "spoof" the system by using a fake or dead finger. [More...](#)

E-Band Communications Corp.

E-Band Communications Corp. announced that they have raised \$10 million in Series B funding. Reliance Technology Ventures Limited led the funding round with additional investment from ADC Telecommunications, Express Ventures, Hercules Technology Growth Capital Inc., Investec and an undisclosed major wireless carrier also participating.

San Diego-based E-Band is developer of wireless communications transmission systems reaching up to 10 Gigabits per second and will use the funding for further technical development and product launch. [More...](#)

Assure Controls Inc.



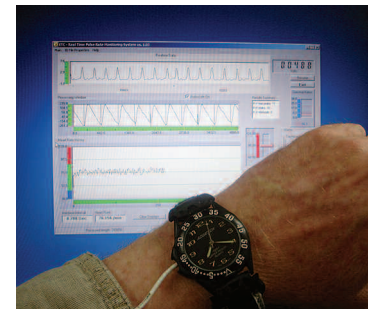
Marine plankton used in the QwikLite 200™

The Marine Pollution Bulletin recently published a scientific manuscript detailing the use of Assure Controls Inc.'s QwikLite™ technology along the western coast of the United States. The manuscript includes detailed data from field studies and other sources examining QwikLite's use of bioluminescent plankton to detect harmful contaminants in water and sediment samples. The scientific paper describes multiple environmental projects that were completed by the Environmental Sciences and Applied Systems Branch of Space and Naval Warfare Systems Center San Diego (SSC San Diego), and licensed to Assure Controls. CCAT funding assisted in the completion of the data compilation leading to the manuscript's submission.

Published bi-annually, the Marine Pollution Bulletin is recognized by the scientific community as one of the primary journals used to introduce new forms of measurement and analysis to the marine pollution control industry. [More...](#)

Empirical Technologies Corp.

Empirical Technologies Corp. was recently the subject of articles appearing in the December and January issues of *Military Electronics* (page nine of both .pdf files), as well as *Innovation* magazine, and the print versions of *Marine Corps Times* and *Health Care IT News*. Empirical's CareTaker beat-by-beat blood pressure monitor and HRWatch continuous heart rate measurement device are currently being tested by volunteers within the U.S. Navy and U.S. Marine Corps, as well as the National Heart, Lung and Blood Institute.



Empirical Technologies HRWatch

Harbor Offshore Barriers Inc.

Harbor Offshore Barriers' Port Barrier System (PBS) has been featured in recent issues of *Homeland Defense Journal*, *Navy Dispatch*, and *Government Security*. Prompted by the attack on the USS Cole in 2000, the PBS was engineered by the U.S. Navy and licensed exclusively to Harbor Offshore in order to protect ships, ports and other marine assets from potential terrorists and other water-bourn hazards.

XCOM Wireless Inc.

XCOM Wireless Inc. a California-based developer of radio frequency (RF) products, and Innovative Micro Technology (IMT), a leading MicroElectroMechanical Systems (MEMS) foundry/contract manufacturer, have teamed up to implement a new wafer manufacturing process that produces die in high volumes at low cost. The two companies have automated wafer-level testing, established critical process controls, and enhanced temperature tolerance for soldering. The process will be used to produce die used in manufacturing XCOM's high performance military and civilian RF products.

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Lumedyne Technologies

San Diego-based Lumedyne Technologies is one of the first eleven companies accepted into the Space Angels Network community. The Space Angels Network is a nationwide network of Angel investors with focus on aerospace-related ventures. [More...](#)

Events



CCAT board member, Sanford Ehrlich, will offer the presentation "Next Generation Leadership and Development" at the Third Annual Family Business Retreat held from February 22 – 24 at the Rancho Bernardo Inn in San Diego, Calif. The Retreat is being organized by the Entrepreneurial Management Center at San Diego State University. [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; Space and Naval Warfare Systems Center, San Diego (SSC San Diego).

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Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Space and Naval Warfare System Center, San Diego.