

## West Virginia Biometrics and Identity Management Newsletter

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Issue Date: May 10, 2010

### Heartbeat-Based Biometrics User Identity-Aware Healthcare Applications Revealed by Idesia

Caesarea, Israel, - IDesia, a leading provider of state-of-the-art BDS™ (BioDynamic Signature™) biometric authentication technology, today announced its newly expanded portfolio of biometrics-based offerings, focused primarily on user identity-aware consumer healthcare, fitness and wellbeing applications. Originally devised to implement highly reliable and effective biometric authentication solutions, IDesia's BDS technology is based on individually unique information concealed within electrocardiographic (ECG) waveforms. The company's range of biometric solutions merely requires users to touch a contact sensitive surface. Their individually unique heartbeat information is then extracted via proprietary signal processing and patented pattern recognition algorithms for cardiologic waveform matching, to enable fast and reliable user authentication.



<http://www.findbiometrics.com/industry-news/i/7961/>

### Frost & Sullivan releases North American biometrics report

Frost & Sullivan, a global growth consulting company, has released a new report titled North American Biometrics Market that details technology development, competition and distribution trend analysis for different modes of biometrics such as fingerprint, face recognition, iris recognition, hand geometry, voice verification and signature verification. Each mode has revenue forecasted within the report as well. Other aspects of the report detail areas such as challenges the industry is facing or expected to face. Among these include a stigma on fingerprint biometrics that attaches them to criminal fingerprint collection by police personnel, pricing on technologies such as iris and face recognition, hygiene issues regarding touch-based biometric scanners and a lack of correctly addressing end-user needs.

<http://www.nytimes.com/2010/05/04/technology/04secure.html?partner=rss&emc=rss>

### A Rapid Security Check Could Be Revived at Airports

The idea of a monthly subscription service that allows people to jump to the head of airport security lines by submitting to a fingerprint or iris scan may be getting another chance. Passengers in the security line at Reagan National Airport last month. AIClear is negotiating to begin its service in the fall. Fingerprint scanners will be used to identify subscribers to the service, to be called Clear. The assets of Verified Identity Pass, the start-up that ran the Clear service in 18 airports in the United States and shut down about a year ago in a dispute with creditors, were acquired for \$6 million in a federal bankruptcy proceeding on April 16. The winning bidder, AIClear, is led by two former investment managers and backed in part by Robert V. LaPenta, chief executive of L-1 Identity Solutions, a biometrics company based in Stamford, Conn., that supplied kiosks and other technology to the original Verified Identity Pass.

<http://www.nytimes.com/2010/05/04/technology/04secure.html?partner=rss&emc=rss>

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## **UIDAI brings out status paper on iris scan**

Trying to allay the apprehensions expressed on the use of eye scan in preparation of unique number to all residents of the country, the Unique Identification Authority of India has come out with a status paper on collecting iris biometrics. Questions were raised from certain quarters about the need for the iris scan even when the finger prints of all ten fingers and a face scan was also being taken. It was felt that the iris scan would be an expensive procedure and that there was a risk of a vendor lock-in in the UIDAI project besides other worries.

<http://business.rediff.com/report/2010/may/05/tech-uidai-brings-out-status-paper-on-iris-scan.htm>

## **Ohio Department Deploys Biometrics Monitor**

The Stow (Ohio) Fire Department recently deployed MyChoice, a Web-based subscription service from My LifePlan that uses fingerprint biometrics to access patient records. Responders are using BIO-key International's biometric solution to scan program enrollee's fingerprints in order to gain instant access to health records on scene, said Michael Depasquale, BIO-key's CEO. Enrollees subscribe to the MyLife program for a monthly fee. Their fingerprints are recorded and their medical records are aggregated into a centralized database, Depasquale said. Responders then can access aggregated records using a software-based, encrypted biometric identification solution. "This is a system that ensures that anyone who is participating in the program will have all of their information in one place for whoever may require it," he said.

<http://firechief.com/ems/biokey-mychoice-20100506/>

## **Voice Verification Technology Deployed to Prevent Abuse of Florida's Medicaid Services**

In south Florida, where in-home health-care fraud runs rampant, the Florida Agency for Health Care Administration (AHCA) hopes to stem future scams and save money using voice verification technology. Starting July 1, the agency, which administers Florida's Medicaid program, will launch a pilot project in Miami-Dade County using the technology to make sure assigned nurses or home health aides actually deliver services to Medicaid recipients. Sandata Technologies, a New York-based software company, will implement the pilot program. The company will keep the recorded voices of all nurses and home health aides in a database. When the registered health-care providers arrive at a patient's house, they will dial a number, enter a code and speak an assigned message. The software will verify whether the voices match.

<http://www.govtech.com/gt/articles/760974>

## **Democrats: BELIEVE in biometric Social Security cards**

There are varying reports on whether immigration reform will be discussed in Congress in 2010, but if it is addressed one aspect that will likely be included is a biometric Social Security card for employment verification. Dubbed Biometric Enrollment, Locally-stored Information, and Electronic Verification of Employment, or BELIEVE, the card would be required to verify permanent residence when starting a new job. The Democrat-sponsored proposal would have the Social Security Administration issuing biometric cards 18 months after the law is passed. "These cards will be fraud-resistant, tamper-resistant, wear resistant, and machine-readable social security cards containing a photograph and an electronically coded micro-processing chip which possesses a unique biometric identifier for the authorized card-bearer," states the conceptual proposal for immigration reform.

<http://www.secureidnews.com/2010/05/03/democrats-believe-in-biometrics-social-security-cards>

## **Biometrics essential to winning war on terror**

In a conversation with *GSN:Government Security News* at our headquarters in New York City, Lani Hay spoke about the future of biometrics in fighting the global war on terror. "We used to have, in conventional warfare, a line where the bad guys were on one side and we were on the good guys' side," she said. "But now we are fighting in urban environments, so the lines aren't as defined as they used to be. We are helping the armed forces re-think how they approach warfare." Hay is the president and CEO of Lanmark Technology, Inc., of Vienna, VA, a company that works primarily with the government in providing a full range of information technology services and telecommunication solutions.

[http://www.gsnmagazine.com/article/20668/biometrics\\_essential\\_winning\\_war\\_terror](http://www.gsnmagazine.com/article/20668/biometrics_essential_winning_war_terror)

## **2014 Epassport Market Will Finish with Sustainable Annual Revenues of \$7 Billion**

Louisville, CO - New research from Acuity Market Intelligence indicates that the ePassport market will reach sustainable annual revenues of \$7 billion by the end of 2014 with a CAGR of 31.5% from 2009 through 2014. Acuity projects that Europe's market dominance will diminish as overall market share drops from 49% to 20% during this period. At the same time, the Asian market will experience the most significant market share growth increasing from 25% to nearly 46% of annual market revenues with a CAGR of nearly 50%.

<http://www.findbiometrics.com/articles/i/7945/>

## **TSA wants AAEE to face competition for its airport worker credentials processing**

TSA is moving forward with a plan to inject more competition into the traditional process of gathering biometric and biographic information from airport employees and channeling that data to TSA so it can perform security assessments on those airport workers. For more than eight years, this "aviation channeling" has been performed exclusively by the American Association of Airport Executives, (AAEE) which has established what it calls the Transportation Security Clearinghouse (TSC) to handle those data processing functions.

[http://www.gsnmagazine.com/article/20665/tsa\\_wants\\_aaee\\_face\\_competition\\_its\\_airport\\_worker](http://www.gsnmagazine.com/article/20665/tsa_wants_aaee_face_competition_its_airport_worker)

## **Apple Patent Applications: Heartbeat Biometrics, Multidimensional Dashboard Widgets**

A pair of interesting patent applications from Apple were published today by the U.S. Patent and Trademark Office revealing concepts Apple engineers have been tossing around as they work to develop features for future products. Unwired View points to an application entitled "Seamlessly Embedded Heart Rate Monitor", and while some might assume that Apple is looking to build new Nike+ capabilities into its mobile devices, the company's focus on this technology actually appears to be related to biometric identification of users.

<http://www.macrumors.com/2010/05/06/apple-patent-applications-heartbeat-biometrics-multidimensional-dashboard-widgets/>

## **Get tweets from WVBI**

Become a follower of @wvbio on Twitter and stay up to date with the latest tweets from West Virginia Biometrics Initiative executive director Mike Kirkpatrick.

<http://twitter.com./wvbio>

## [University uses behavioral biometrics for online IDs](#)

A new federal law is forcing colleges and universities to implement security measures to make sure students enrolled in online classes are who they say they are, and three and a half-year-old software company outside of Dallas is lobbying to be at the forefront of this emerging market. Biometric Signature ID of Lewisville, Texas, has developed a patented software biometric that remotely authenticates the identities of students, enabling them to take computer-based exams at home or in testing centers.

<http://www.cr80news.com/2010/05/06/university-uses-behavioral-biometrics-for-online-ids>

## **U.S. Supreme Court: Justices might like national ID card**

WASHINGTON, Calif.-- Americans are facing the prospect, some say the specter, of a national ID card. At least one civil liberties advocate warns the proposed card would bring government "into the very center of our lives." The card -- part of a much larger Democratic proposal in Congress for immigration reform revealed last month -- would be "biometric." It could carry an individual's fingerprints and facial and iris scans like the British national identification card. In face-to-face transactions, such as an employment interview, it would prove you are you. Everyone would have to produce the card to get a job, or keep a job.

[http://www.upi.com/Top\\_News/US/2010/05/09/US-Supreme-Court-Justices-might-like-national-ID-card/UPI-66231273391340/](http://www.upi.com/Top_News/US/2010/05/09/US-Supreme-Court-Justices-might-like-national-ID-card/UPI-66231273391340/)

## **Aadhaar project not to take facial scans at face value**

Facial biometrics, say experts, have a high failure rate (of 1 in 10 people). Recognizing this danger, the Unique Identification Authority of India (UIDAI), which has been empowered to issue unique numbers or Aadhaars to the 1.2 billion residents of the country, has decided not to use the facial scan as a de-duplication device or primary biometric verification method. UIDAI will scan three biometric characteristics of each individual — face, fingerprints and iris (coloured part of the eye). However, facial scans will be used to detect false matches only if the other two biometric scans fail to convince authorities about the identity of a person. "Along with the demographic details of a person, the face will only find a place in our records," Ram Sewak Sharma, director general and mission director of UIDAI, told Business Standard.

<http://www.business-standard.com/india/news/aadhaar-project-not-to-take-facial-scans-at-face-value/393852/>

## **Meeting and Conference Dates**

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### **WVHTC Foundation Affiliate Leadership Council Roundtable Luncheon**

Registration for the luncheon will begin at 11:30 AM. From 12:00 - 1:30 PM the luncheon & presentation will occur. The event features guest speaker CAPT William M. Shepherd, USN retired a Senior Science and Technology Advisor to the Commander United States Special Operations Command (USSOCOM). CAPT Shepherd is the Command Science Advisor and leads the Directorate of Science and Technology within the Center for Acquisition and Logistics U.S. Special Operations Command, MacDill Air Force Base, Florida. He is responsible for all Research and Development funded activities within USSOCOM. The event is sponsored by Azimuth, Inc. The cost of the event is \$25 for WVHTC Foundation Affiliates and for \$40 Non-Affiliates.

**Dates:** May 11, 2010

**Location:** I-79 Technology Park Research Center Exhibition Hall  
1000 Galliher Drive  
Fairmont, WV 26554

## May Digital Identity Meet-up

Join us for the May edition of informal networking for those working, or interested, in biometrics and digital identity. We'll gather outside on the deck of the Regatta at the Waterfront Place Hotel. Call or text Charlotte if you have any problems finding the group: 571-594-7120.

**Dates:** May12, @ 6 PM

**Location:** Outside on the deck of the Regatta at the Waterfront Place Hotel

<http://www.meetup.com/biometrics/calendar/13257759/>

## CITeR Spring 2010 Meeting

CITeR is a National Science Foundation (NSF) Industry/University Cooperative Research Center (IUCRC). Its mission to advance identification technology is strongly focused in the areas of biometric systems and credibility assessment. Our portfolio of activities achieve this mission through cross-cutting research of emerging enabling technologies, interdisciplinary training of scientists and engineers, and facilitation of technology transfer to the private and government sectors through its affiliates.

**Dates:** May 17-19, 2010

**Location:** Skaneateles, New York

[http://www.citer.wvu.edu/spring\\_2010\\_meeting](http://www.citer.wvu.edu/spring_2010_meeting)

## Free May Technology Professional Development Seminar (Lunch Provided)

The WVHTC Foundation Affiliate Leadership Council (ALC) is sponsoring a free Technology Professional Development Series. The series is designed to provide a forum where information technology professionals can learn about new and cutting-edge technologies from IT industry leaders. It will provide an opportunity for technical personnel to get a first-hand look at some of the latest and greatest technologies. We have designed this as a lunch and learn series where technology professionals can join us for lunch and learn about exciting new technologies. The ALC is working to bring technology seminars into the I-79 Technology Park in areas such as High Performance Computing, Data Storage, Mobile Devices, and many others.

**Dates:** May 18, 2010

**Location:** I-79 Technology Park Research Center  
Conference Room #232  
1000 Galliher Drive  
Fairmont, WV 26554

<http://registration.wvhtf.org/Registration/Entry.aspx?EventID=7>

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