

## West Virginia Biometrics and Identity Management Newsletter

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Issue Date: November 1, 2010

### All West Virginia counties to benefit from ICE strategy to use biometrics to identify and remove aliens convicted of a crime



On Tuesday, U.S. Immigration and Customs Enforcement (ICE) began using a federal information sharing capability in all West Virginia counties that uses biometrics to identify aliens, both lawfully and unlawfully present in the United States, who are booked into local law enforcement's custody for a crime. This information sharing capability is part of Secure Communities-ICE's comprehensive strategy to improve and modernize the identification and removal of criminal aliens from the United States.

[http://media-newswire.com/release\\_1131135.html](http://media-newswire.com/release_1131135.html)

### Agfa HealthCare Introduces IMPAX Kiosk To Streamline Check-In And Improve The Patient Experience

Unique self-serve kiosk simplifies hospital check-in, reduces wait times and increases patient satisfaction. Agfa HealthCare, a leading provider of diagnostic imaging and healthcare IT solutions, announces recently that it is introducing its latest workflow enhancement solution: IMPAX Kiosk\*. Less waiting, more satisfaction. IMPAX Kiosk is an interactive system that enables patients to register with, and check-in to hospital services without going through the traditional administration desks. "For the patients, traditional check-in means waiting in a line before being afforded the opportunity to be personally checked-in by a receptionist. This can take fifteen minutes or more," explains Sarah Muckler, Senior Marketing Manager for Agfa HealthCare US. "With IMPAX Kiosk, we can reduce the check-in process time to five minutes." This both increases the patients' satisfaction, and frees the administrative staff to focus on their core responsibilities.

<http://www.healthcaretechnologyonline.com/article.mvc/Agfa-HealthCare-Introduces-IMPAX-Kiosk-To-0001?VNETCOOKIE=NO>

### DIY Weekend: Trigger finger opens this gun safe

Greg Gilmour is a tinkerer. He's also a gun owner. He had his mind set on a biometric gun safe, because Greg is a responsible geek, and, after all, such weapon storage "is something straight out of a James Bond film," he says. If you're not familiar, a biometric gun safe is simply a safe that's unlocked with fingerprints. No keys, no passcodes, no PINs--just your fingerprint. It's a secure way to go. The thing is, they're expensive. Being something of a geek like the rest of us here at Crave, Greg thought that he could build his own. And he did.

[http://news.cnet.com/8301-17938\\_105-20020524-1.html](http://news.cnet.com/8301-17938_105-20020524-1.html)

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## **SAIC Awarded \$23 Million Task Order by Defense Biometrics Identity Management Agency**

### **Company to Continue Providing Biometrics Support to U.S. Central Command**

Science Applications International Corporation (SAIC) announced today that it was awarded a prime follow-on contract by the U. S. Department of Defense (DoD), Biometrics Identity Management Agency (BIMA) to continue providing biometric support services to the U.S. Central Command's (USCENTCOM) area of responsibility (AOR). The task order has a one year base period of performance, two one year options and a total value of more than \$23 million. The task order was awarded under the Biometrics Operations and Support Services-Unrestricted (BOSS-U) contract. Collecting and registering personnel into biometric databases is key to helping identify insurgents throughout the USCENTCOM AOR. Under the task order, SAIC will provide the U.S. military and coalition partners with biometric enrollment support at entry ports throughout Iraq. SAIC has supported biometric-enabled enrollments in the USCENTCOM AOR for the past six years.

<http://www.marketwatch.com/story/saic-awarded-23-million-task-order-by-defense-biometrics-identity-management-agency-2010-10-25?siteid=nbkh>

## **DHS Conducts Nationwide ID Authentication Test For Emergency Preparedness**

Northrop Grumman and the U.S. Department of Homeland Security's Federal Emergency Management Agency (FEMA) recently coordinated a nationwide demonstration showing the ability to deploy a common, interoperable credentialing system that enables electronic identity authentication for government and industry personnel. The demonstration, dubbed "Autumn Blend," showed the use of standardized personal identity credentials operating across multiple domains, such as a government's or company's credential authentication infrastructure, for access management decisions, situational awareness, cyber-secure capabilities and post-event reconstruction. Participants included federal, state, local, and private sector emergency response and recovery officials who are assigned to the front lines for rescue or recovery missions.

[http://www.terradaily.com/reports/DHS\\_Conducts\\_Nationwide\\_ID\\_Authentication\\_Test\\_For\\_Emergency\\_Preparedness\\_999.html](http://www.terradaily.com/reports/DHS_Conducts_Nationwide_ID_Authentication_Test_For_Emergency_Preparedness_999.html)

## **'NATIONAL ID THEFT' A BORDER THREAT**

It seems that international spy rings are borrowing the luck of the Irish, and the Irish don't like it one bit. Irish passports have become the document de jour for international spies and assassins, a trend that highlights the immense challenges facing those who wish to keep U.S. borders safe. In 2005, Eunan Doherty, a fireman from the remote northwest Ireland county of Donegal, went to the Russian Embassy in Dublin to get a visa for a vacation trip to Russia. His holiday allegedly turned him into an unwitting participant in a now-famous international Russian spy ring. Four years later, a Russian agent using the name Richard Murphy flew to Rome to pick up a forged passport bearing Doherty's name, and was told to bring it into the U.S. and give it to another Russian spy, according to an affidavit made public by the U.S. government in June. Murphy was told to identify the courier by uttering the line, "Excuse me, could we have met in Malta in 1999?" the affidavit said.

<http://redtape.msnbc.com/2010/10/national-id-theft-threatens-borders.html>

## Research On Avoiding Fraud In Biometric Identification

Scientists from Carlos III University of Madrid (UC3M) are analyzing possible attempts at fraud in various biometric identification systems in order to improve the security of facial, iris, fingerprint or vascular recognition, among other types. The field that these researchers are working in is known by its nickname, "anti-spoofing", and basically consists in trying to detect all of the possible attempts at fraud that a biometric system might suffer, especially with regard to an action in which the user presents the biometric proof to the system. "What we are trying to do is detect those attempts so that the system can then act accordingly", explains the head of UC3M's Grupo Universitario de Tecnologías de Identificación (GUTI)(University Identification Technology Group), Raúl Sánchez Reillo, who is leading this research. This way, if someone used a colored contact lens to recreate a specific iris at an access control point, the system would detect this possible fraud attempt and would indicate to this user that s/he could not use the automatic system and would have to use the manual identification system, with a security agent, for example.

[http://www.redorbit.com/news/science/1937251/research\\_on\\_avoiding\\_fraud\\_in\\_biometric\\_identification/](http://www.redorbit.com/news/science/1937251/research_on_avoiding_fraud_in_biometric_identification/)

## Iris recognition systems for access control and identity management gain popularity

The eyes have it. The use of iris recognition technology is expanding around the globe and it is being utilized in a vast array of commercial and government applications ranging from access control to time management. ASSA ABLOY Future Lab examines how this biometric technology is breaking new ground in identity management and other security applications. Retinal vs. iris scans Often confused with a retinal scan, iris recognition systems capture an image of the eye, and then analyze the coloured part around the pupil that you see on the front of the eye called the "iris". The retina, on the other hand, is made up of the photoreceptor cells located at the back of the eye and is not visible. While iris recognition essentially captures an image of the texture of the iris, a retinal scan captures an image of the pattern of the retina's blood vessels inside the physical eye.

<http://www.sourcesecurity.com/news/articles/co-3108-ga.5073.html>

## Biometric Devices Help New Jersey County Track Delivery of Homeless Services

Bergen County, N.J., has dealt with one particular dilemma for years: The Department of Human Services (DHS) needs to estimate how many homeless individuals receive services, such as food, medicine and shelter. But many people served by the department don't have accurate forms of identification, and without a precise tracking system, the DHS might have erroneously counted one person who visits the shelter 10 times, for example, as 10 different people visiting once. And when it comes time to properly fill out grant applications to receive funding support, accuracy counts for the DHS. "It's not like you can do a head count," said Susan Nottingham, the department's Homeless Management Information System administrator. "We could sit down and say, 'Can we talk to you for 45 minutes?' But we didn't want them to turn around and say, 'We're not that hungry.'" Now with biometrics technology, Bergen County has implemented a solution that helps the DHS keep an accurate count of the homeless people who receive social services. In September, the DHS unveiled a fingerprint identification system developed by Fulcrum Biometrics, a San Antonio-based company. Working with New Jersey Business Systems, the company used its Fulcrum Biometric Framework to develop a Web-based application that links finger image scanners at DHS service sites and a fingerprint-matching algorithm to the existing New Jersey Homeless Management Information System. While Fulcrum's Web services interface provides automated information exchange between the two systems, both systems operate independently.

<http://www.govtech.com/health/Biometric-Devices-Delivery-Homeless-Services.html>

## Facial Recognition for City Surveillance in Japan

Ayonix, Inc. Japan, a leading Image technology solution provider, today announced the release of Ayonix Public Security (APS ver2.1), a new real-time facial detection and recognition surveillance product aimed at safely identifying criminals as well as suspects in public locations such as Airports, Train stations, Trade-centers, Stadiums, and public malls. With these recent APS update, Ayonix's APS product now greatly benefits from the additional performance boost provided by the new image processing algorithm, as evidenced by recent tests. More specifically, the processing speed in APS ver2.1 has been 10 times faster than other releases. Users can now achieve real-time face recognition in public locations. And whereas previously it was difficult to recognize identities while people were walking, APS ver2.1 now makes a walk-through facial recognition feasible.

<http://www.findbiometrics.com/industry-news/i/8386/>

## LATA's Chicago Office Installs Saferise Identity Management Using Biometrics; Combining Face, Voice and Behavior Recognition

Calling it a "game changing technology" Los Alamos Technical Associates, Inc. (LATA) has installed the SafeRise® system from FST21 in its downtown Chicago office in September. The LATA entrance now allows access by recognizing employees by the way they look, talk and walk, as well as being aware if they are in distress, and can even carry a conversation with them and their visitors. The SafeRise® system modernizes the way people enter buildings, offices and secure areas. No key, no card and no code are required, because the face and voice of authorized personnel works like a key. Using second generation biometrics with a combination of face, voice, license plate and pattern of behavior recognition, SafeRise provides easy, automated, and convenient identity management access while maintaining the highest level of security.

<http://www.findbiometrics.com/industry-news/i/8382/>

## Biometrics gaining ground in law enforcement Biometric facial recognition isn't as unique as a fingerprint, but it will reduce the number of possible matches in the data pool to something manageable

All of us accumulate a lot of keys over time. We have locker keys, door keys, desk drawer keys, car keys, padlock keys, and keys that just appeared one day with no apparent use or function. If you have keys, you've probably lost keys, too. What if you had a key that was impossible to lose? That's biometrics. We've been using biometrics for over a hundred years to identify people. Fingerprints are the measurement that first comes to mind, but people are included or excluded from a sample of interest by more evident characteristics such as gender, hair and eye color, height and weight, and age. Some of these things can be changed at will, and other change over time all by themselves, but many key measurements remain constant.

<http://www.policeone.com/police-products/investigation/articles/2853678-Biometrics-gaining-ground-in-law-enforcement/>

## School buses test fingerprint scan

School districts are turning to high-tech solutions — from fingerprint scans to electronic cards — to track kids on school buses and keep them from getting off at the wrong stops. The latest: A fingerprint scanning system, approved this month for testing at the Desert Sands district, northeast of San Diego. Students will be scanned as they get on and off the bus. "Kids get lost. It happens in every school district, every year," says John DeVries, president of Global Biometrics Security, which developed the Biometric Observation Security System (BOSS) that's being tested. It happened Oct. 13 when a Prince George's County (Md.) school employee took a 5-year-old student to the wrong bus and the student got off several blocks from home. "That just shouldn't happen," says district spokesman Darrell Pressley. He says the district is now considering a system. With BOSS, students' fingerprints are scanned and sent to a database. When they get off, they provide a "check out" print. An alarm sounds if the child tries to get off at the wrong place.

[http://www.usatoday.com/tech/news/surveillance/2010-10-29-1Aschoolbusfingerprints29\\_ST\\_N.htm](http://www.usatoday.com/tech/news/surveillance/2010-10-29-1Aschoolbusfingerprints29_ST_N.htm)

## Accurate face recognition goes mobile

Newly developed software for mobile phones could bypass PIN numbers and passwords by recognizing the landmarks of your face as you look at the phone's front-facing camera. Technology developed at the University of Manchester, and funded by the EU based Mobile Biometrics project, tracks your face in real-time, and is believed to be unrivalled in its speed and accuracy of recognizing your facial features.

<http://www.wired.co.uk/news/archive/2010-10/26/accurate-face-recognition-goes-mobile>

## Meetings, Conferences, and Training

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### 6th EBF Research Seminar

The EBF is delighted to announce the 6th EBF Research Seminar which will take place on Thursday, the 4th of November, 2010 in Brussels. The Seminar will focus on 'International Data Sharing'. Expert speakers at the event include Mr. Joaquim Nunes de Almeida, Head of Unit, DG Home Affairs; Dr. Reinhard Schmid, Federal Ministry of the Interior, Austria; and Mr. Mark Branchflower, Interpol.

**Dates:** November 4, 2010

**Where:** Brussels, Belgium

[http://www.eubiometricsforum.com/index.php?option=com\\_content&task=view&id=869&Itemid=95](http://www.eubiometricsforum.com/index.php?option=com_content&task=view&id=869&Itemid=95)

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