

West Virginia Biometrics and Identity Management Newsletter

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U.S. Government Driving Growth of Biometrics in Self-Service

ABC reports that earlier this year, as part of his administration's efforts to reform the U.S. healthcare system, President Obama pledged to ensure that all medical records in the United States would be electronic within five years. The plan is sure to have far-reaching effects on the healthcare industry as a whole, and it also is likely to create opportunities for technology providers in the space. Patient check-in kiosks have existed in doctors' offices for some time, but they've not become as ubiquitous as in other verticals yet. But Josh Napua, vice president of kiosk solutions for Fujitsu's Frontech of North America division, says the impending government mandates are likely to drive more deployments. "Healthcare has always been thought of as being sort of behind on IT technology," Napua said. "But obviously with the infusion of the Obama initiative for electronic medical records, I think there's a growing interest, to say the least, in trying to figure out a lot of these solutions in healthcare."



<http://www.selfserviceworld.com/article.php?id=23194>

System Developed Jointly by FBI and Raytheon Recognized with 2009 Government Computer News Agency IT Award

WASHINGTON and RESTON, Va., Nov. 2, 2009 -- The National Data Exchange (N-DEX) criminal justice information sharing system has been recognized with a Government Computer News (GCN) 2009 Agency Information Technology Award. N-DEX was jointly developed by the FBI's Criminal Justice Information Services (CJIS) Division and Raytheon Company (NYSE: RTN). It is one of 10 government agency projects to be distinguished as outstanding IT initiatives for 2009.

<http://www.earthtimes.org/articles/show/system-developed-jointly-by-fbi.1023830.shtml>

U.S. Builds Largest Biometric Database

One of the most important innovations in the FBI's post-9/11 counterterrorism efforts consists of a portable workstation and a miniature satellite dish. Called the Quick Capture Platform (QCP), it electronically scans fingerprints and beams them to a database here. "What it provides is the capability from anywhere for an agent to send prints to the FBI's Integrated Automated Fingerprint Identification System (IAFIS) and the Defense Dept.'s Automatic Biometric Identification System (ABIS)," says Roy Bowlen of the FBI, who helped develop the system.

http://www.aviationweek.com/aw/generic/story_channel.jsp?channel=defense&id=news/SCAN110509.xml&headline=U.S.%20Builds%20Largest%20Biometric%20Database

The Home Office's Broken Biometrics

The FBI considers facial recognition technology to be inaccurate – so why is our government investing in it?

If our last two prime ministers are to be believed, and our last five home secretaries, the solution to all the problems of crime detection, counter-terrorism and the delivery of efficient public services is ... biometrics. They're certainly labelling our money into biometrics. But no one ever asks, do biometrics work? Speaking at the Biometrics 2009 conference in London, James A Loudermilk II (the man behind the FBI's automated fingerprint identification system) outlined the plans for the future of biometrics at the FBI. Under the next generation identification initiative, an irisprint database is likely to be added to the FBI's existing fingerprint and DNA databases. Fingerprints are likely to be supplemented with friction prints of other ridges, probably palmprints and maybe footprints. Voiceprints are being evaluated. Anything that can feasibly increase public safety. What will not be added is facial recognition. Facial recognition would be the killer application of biometrics,

<http://www.guardian.co.uk/commentisfree/libertycentral/2009/nov/01/biometrics-home-office>

Pakistan Ahead of USA and India in Developing Identity Systems: Deputy Chairman NADRA

Islamabad: With registration of over 85% of the country's adult population using both biometric and facial recognition systems, Pakistan is way ahead of USA and India who are in a very premature stage of unique identity systems; this was stated by Tariq Malik, Deputy Chairman, and National Database & Registration Authority.

In his keynote address at the 8th Annual Smart Cards Government Conference 2009, at Washington DC, USA, Tariq Malik said "Pakistan takes pride in establishing the world largest biometric citizen database, thus enabling elected government to use identity infrastructure to roll out financial support and other programs for benefit of its citizens".

<http://www.onlinenews.com.pk/details.php?id=154685>

Sagem Sécurité's "Finger on the Fly" Technology in the Spotlight at Biometrics 2009

Paris, October 30, 2009 - Sagem Sécurité (Safran group) made headlines at Biometrics 2009, the leading European trade show and exhibition dedicated to biometrics, by unveiling its new "Finger on the Fly" technology that reads fingerprints on a moving hand - "on the fly". For the first time, a contactless biometric recognition technology can capture and process the fingerprints from four fingers on a hand in movement, in just a few seconds. Well suited to current requirements, this technology enhances security and speeds up flows in crowded areas, such as airports. It can also be used as the basis for a more user-friendly identification system, involving fewer restrictions for users.

<http://www.findbiometrics.com/industry-news/i/7484/>

Identifying Criminals

The Oct. 12 editorial "Wrong Paths to Immigration Reform" and an Oct. 16 letter may have left readers with misconceptions about the Secure Communities initiative. The initiative's goal is to identify foreign nationals among all people who have been arrested and booked for a crime, and to remove the most dangerous among them. It doesn't give any authority to local law enforcement officials to enforce federal immigration laws. Also, it doesn't racially profile. A person must be booked for a crime before his or her fingerprints are submitted to the Department of Homeland Security for an immigration status check. And, at the time of booking, everyone's fingerprints are checked, not just those who the local police may believe are foreign nationals. Also, identification relies on biometrics — fingerprints — to accurately identify the person arrested.

<http://www.nytimes.com/2009/11/02/opinion/l02immig.html>

I-Team: Biometrics May Fix Medicare Fraud Problems

Now to a CBS4 I-Team investigation into the theft of billions of your tax dollars. Medicare fraud costs each of us nearly \$200 for every man, woman and child in the United States in stolen tax dollars every year. And a CBS4 I-Team investigation uncovered how South Florida is at the center of Medicare fraud. Now, a Broward County entrepreneur says he may have a solution in a high-tech biometrics device that would guarantee Medicare doesn't pay for phantom patients. CBS4 I-Team investigator Stephen Stock looked into the technology that might save taxpayers millions.

<http://cbs4.com/iteam/medicare.fraud.investigation.2.1294438.html>

South Korea to Fingerprint Foreign Visitors

Seoul: The Cabinet approved a law revision Tuesday to require all foreigners entering South Korea to be fingerprinted and photographed from 2012. Under the revised immigration law, all foreigners over the age of 17, excluding diplomats and those travelling on official duties, must have their fingerprints scanned and be photographed during entry procedures. The revision will be submitted to parliament and is expected to take effect as early as the second half of 2012, officials said. While the new requirement has raised concerns about possible human rights violations, officials said it is primarily intended to regulate illegal entry by foreigners for safety reasons. The United States and Japan have already adopted similar fingerprinting policies.

<http://www.zeenews.com/news575701.html>

Biometric Access System Distributes Weapons, Tasers to Police Officers

Police officers in Troy, N.Y., now have additional accountability for tracking weapons and other items through the use of a biometric access control system. The Troy Police Department deployed computerized lockers that verify officers' fingerprints and equipment access privileges before issuing items like Tasers (pictured), rifles and shotguns. Sgt. Randall French said each employee's fingerprint is on file with the LEID Biometric Access Control System as well as what items they are allowed to check out. "When somebody wishes to take something out, they place their finger on the scanner and it automatically recognizes who they are and what their capabilities are," he said.

<http://www.govtech.com/gt/732828?topic=117680>

Biometrics: Enhancing Security or Invading Privacy?

New report advises proportionality and transparency in applying biometric technology
The Irish Council for Bioethics (ICB) has launched its report entitled "Biometrics: Enhancing Security or Invading Privacy?" The report advises that these technologies, though powerful, must be used appropriately to avoid resentment and paranoia among users. Biometric technologies, says the report, such as fingerprint, voice, face and iris recognition, are increasingly becoming part of daily life. Due to the marked rise in security threats and the escalation of identity theft, people are being required to identify themselves in order to travel, complete financial transactions or to have their time and attendance at work or school monitored.

<http://www.techcentral.ie/article.aspx?id=14260>

NIST Test Proves 'The Eyes Have It' for ID Verification

The eyes may be the mirror to the soul, but the iris reveals a person's true identity—its intricate structure constitutes a powerful biometric. A new report by computer scientists at the National Institute of Standards and Technology (NIST) demonstrates that iris recognition algorithms can maintain their accuracy and interoperability with compact images, affirming their potential for large-scale identity management applications such as the federal Personal Identity Verification program, cyber security and counterterrorism. After fingerprints, iris recognition has emerged in recent years as the second most widely supported biometric characteristic. This marketplace rests, in large part, on the ability of recognition algorithms to process standard images from the many cameras now available. This

requires images to be captured in a standard format and prepared so that they are compact enough for a smart card and for transmission across global networks. The images also have to be identifiable by computer algorithms and interoperable with any iris-matcher product regardless of the manufacturer.

<http://www.rdmag.com/News/Feeds/2009/11/policy-nist-test-proves-the-eyes-have-it-for-id-verification/>

Solving Crimes with Simply the Snap of a Finger

More Washington area police using mobile print reader, but critics worry about privacy

Prince George's County police found two men shot in the back of the head and dumped in a Suitland cemetery. Detectives identified one man by the driver's license in his pocket, but the second had no ID. Police needed to know his name and fast. The first 24 hours are the most important in a homicide case.

Investigators called Alexandria police, who had a gadget straight out of a "CSI" spinoff: a mobile fingerprint reader. Officers got to the cemetery with the device, scanned the dead man's fingers and identified him within three minutes. Detectives made an arrest days later. Without the device, police would have waited at least 36 hours for an autopsy, officials said.

<http://www.washingtonpost.com/wp-dyn/content/article/2009/10/24/AR2009102402259.html>

NIST Establishes Iris Recognition Standard

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<http://www.laboratoryequipment.com/News-verifying-ID-with-eyes-110509.aspx?xmlmenuid=51>

TigerAFIS Ranks Number 1 in the US Government NIST MINEX Testing

TigerIT Bangladesh Limited has been announced as the leader in fingerprint matching and extracting algorithms. The company proved overall superiority and ranked number 1 in the Minutiae Interoperability Exchange (MINEX) test by the NIST (National Institute of Standards & Technology). The NIST test results were released on October 27, 2009 and revealed that combination of the TigerAFIS enrollment template generator and the matcher showed False Non-Match Rate 0.06% at a fixed False Match Rate of 0.01 for two fingers, outperforming former leaders NEC (0.08%), Cogent (0.11%) and Sagem (0.12%). The complete MINEX result can be found at the link below, where the most significant cells are marked in yellow, which denotes the accuracy of the combination of vendors' own template generator and matcher.

<http://fingerprint.nist.gov/minex/Results.html>

Workforce Management: Beyond Time and Attendance

Keeping track of employee attendance is no small task, but far too often it is conducted using somewhat primitive manual procedures. Reducing cheating on hours and handling payrolls more efficiently may be enough to justify the use of T&A software and services. However, it can play a role in managing many other workforce issues, including worker safety, scheduling and predictive analysis. Improvements in the accuracy of time and attendance programs will soon make biometric technology even more attractive to use, according to Wettemann. "We are moving from the paper punch card, to using an electronic swipe card like a credit card, to biometric employee identity programs," she said. "The fingerprint technology was a start, but now there is the capability for hand geometry identity that will impact the buddy punch phenomenon."

<http://www.crmbuyer.com/story/Workforce-Management-Beyond-Time-and-Attendance-68531.html?wlc=1257706839>

<http://www.reuters.com/article/pressRelease/idUS205023+02-Nov-2009+PRN20091102>

Meeting and Conference Dates

2009 Mid-Atlantic SBIR/STTR Conference

The 2009 Mid-Atlantic SBIR/STTR Conference will bring together federal agencies, entrepreneurs, small companies, large companies, researchers, colleges and universities, venture capitalists and angel investors, federal laboratory and university representatives, as well as experts who provide assistance to or have an interest in doing business with ventures at various maturity levels.

Dates: November 30 – December 2 2009

Location: Waterfront Place Hotel, Morgantown, WV

<http://www.midatlanticsbir.com/>

Winter 2010 Biometrics Summit

Attend the longest running, world renowned forum for advanced identification solutions including...Finger Print Technology, Iris Recognition, Smart Cards, and Vascular Biometrics. There will be over 20 innovative speakers who will share strategies and experiences in implementing biometrics. Register by December 8th to receive a discount.

Dates: February 22-25, 2009

Location: Miami, FL

http://www.aliconferences.com/conf/biometrics_summit_winter10/index.htm

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