



West Virginia Biometrics and Identity Management Newsletter

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Sharp integrates palm-scanning patient ID technology

San Diego-based Sharp HealthCare has begun using palm scanning technology to identify patients as they check in for appointments or are admitted the hospital, it was announced Wednesday.



to

The biometric patient identification technology, called PatientSecure, uses a hand scanning device that reads a patient's unique palm vein pattern, which is 100 times more accurate than a fingerprint, according to Sharp HealthCare. "PatientSecure is a nonintrusive and very precise method of identifying patients, ensuring they are matched to their own personal medical records and protecting them against medical fraud and identity theft," said Dan Gross, executive vice president of hospital operations for Sharp HealthCare.

<http://www.lajollalight.com/news/270864-sharp-integrates-palm-scanning-patient-id-technology>

Black Diamond Achieves Rapid Dual-Iris Capture With New Rugged Handheld Biometrics Device

Tempe, AZ — Black Diamond Advanced Technology has designed and delivered to Northrop Grumman a ruggedized, identity-management system for secure and efficient multi-modal biometrics collection in the field. Called the BioTRAC, the advanced multi-biometric, mobile handheld computer features IriTech's new embedded-processor dual-iris camera system, which is capable of outdoor, independent dual-iris image capture in less than 5 seconds on a rugged platform. BioTRAC incorporates several biometric acquisition devices for complete identity enrollment in less than two minutes, including four high-resolution fingerprint sensors; a multi-function camera with one- and two-dimensional barcode reading; and dual-iris capture cameras. IriTech's IriCamm embedded dual-iris camera, with its modular design and easy integration, was a natural fit for the solution.

<http://www.datacollectiononline.com/article.mvc/Black-Diamond-Achieves-Rapid-Dual-Iris-Captur-0001?VNETCOOKIE=NO>

Two-Factor Authentication

Secure your systems and data

Username and passwords are the first step in authenticating those who log on to your systems. However, sometimes you need stronger authentication—especially for remote users, or for highly sensitive data and files. Two-factor authentication requires users to provide two pieces of identifying information. Typical identification factors include something the user knows, such as the username/ID, password, or PIN; something the user has, such as a hardware/USB token or smart card; and something the user is, which includes physical characteristics such as finger/handprints, iris/retina identification, or voice pattern recognition. Using multiple identification factors increases the security of your systems and prevents unauthorized users from gaining access to sensitive information. Numerous multifactor authentication solutions are available, in a variety of forms (hardware devices, software, or services).

<http://www.windowsitpro.com/article/security/Buyers-Guide-Two-Factor-Authentication.aspx>

Patent to Prevent iPhone Theft Using Cardiac Signals

With all the new fangled technology packed into them, iPhone releases are getting more expensive as time goes by. Since these are quite valuable, they are also more prone to theft than ever before. Existing security measures are enough to keep your social networking passwords safe, but what about when you finally use your iPhone to pay ala credit card? Or when you end up using it to open your car door?

<http://www.blog.moby1.co.uk/2010/06/apple-phones/patent-to-prevent-iphone-theft-using-cardiac-signals.html>

BI2 Technologies of Plymouth, Mass. Begins Implementation of MORIS - a First-of-its-Kind iPhone-based Mobile and Wireless Multi-Modal Biometric Offender Recognition and Information System - in conjunction with Statewide Facial Recognition Project

PLYMOUTH, Mass. — Biometric Intelligence & Identification Technologies (BI2 Technologies) of Plymouth, Massachusetts announced today that they have implemented MORIS, the company's patent-pending, first-of-its-kind in the world iPhone-based Mobile and Wireless Multi-Modal Biometric Offender Recognition and Information device and system. MORIS is being implemented at the Plymouth County Sheriff's Department (MA) and City of Brockton Police Department (MA) in addition to a new facial recognition system that is part of a Statewide Facial Recognition contract award from the Massachusetts Sheriffs' Association (MSA). Under the MSA award, BI2 will be implementing a new facial recognition system in all fourteen (14) County Sheriffs' Departments and up to twenty-eight (28) individual police departments across the Commonwealth of Massachusetts.

<http://www.earthtimes.org/articles/press/statewide-facial-recognition-project,1342310.html>

No Passing Grade For e-Passport

The technology behind e-Passports, the relatively recent identity document upgrade to include biometrics and other personal information, may not be safe from terrorists, counterfeiters and other malicious attacks. In fact, data security has been a key concern about e-Passports for several years. The Center for Public Integrity reports that the Government Printing Office, which oversees the production of e-Passports, has been warned by its inspector general that the Thai factory where the documents are produced is subject to threats from poor police protection and political instability. The IG found that GPO lacks plans and procedures to protect these technologies from outside threats.

http://techinsider.nextgov.com/2010/06/no_passing_grade_for_e-passport.php?oref=latest_posts

Montreal Building Installs Fingerprint Scanner

Quebec's access to information commission is expressing concern about a new biometric security system installed in a downtown Montreal apartment building. Some residents of the building on Pine Avenue say they will not use a new security system the landlord plans to install that would require tenants to provide a fingerprint to get into the building. Several residents of the building, owned by Trylon Properties, told CBC News the idea of having their finger scanned each time they enter the building to make sure their fingerprint matches that of one of the registered tenants makes them feel uneasy.

<http://www.cbc.ca/canada/montreal/story/2010/06/10/mtl-biometric-security-system-apartment.html>

Demand from Financial Sector to Drive Global Biometrics Market

New Delhi, India -- Financial sector has been emerging as a potential adopter in the global biometric market. With the help of biometrics, this sector is aiming to offer customers an easy and more convenient authentication alternative to cards and PINs for transactions like ATM withdrawals. As per our report "Global Biometric Forecast to 2012" North America and Europe dominated the global biometric market in 2009. This region will account for combined share of 62% in coming years. By 2012, on the back of several initiatives and biometric programs, Asia-Pacific and Middle East & Africa will emerge as growing regions for the biometrics market.

<http://www.emailwire.com/release/42102-Demand-from-Financial-Sector-to-Drive-Global-Biometrics-Market.html>

Catching Criminals? Brockton Cops have an App for that

Officer Scott Shields held up the oversized iPhone and snapped a photo. Within seconds, that photo would match one of a man included in a test database. It is part of a new facial recognition system now being used by Brockton police. The system, called MORIS (Mobile Offender Recognition and Identification System), will allow officers in the field to take photos of suspects to be compared with a database now being developed by sheriff departments across the state. "This is something the officers can access when they are out on the road," said Police Chief William Conlon. He said officers can take a photo of a suspect, upload it into a secure network where it is analyzed then learn – often within seconds – who the person is.

<http://www.patriotledger.com/topstories/x1602636300/Catching-criminals-Cops-have-an-app-for-that>

Come 2014, fingerprints to be mandatory for foreigners

India will make it mandatory for foreign visitors to give their fingerprints from 2014 when an ambitious project to interlink foreign missions and immigration offices across India will be commissioned. The system will also allow security agencies to generate software-aided passenger profiles to identify "risky travellers" such as Lashkar operative David Coleman Headley, a government official told HT. The software will collect information about other countries visited by the person and raise a concern in case he had visited Pakistan frequently.

<http://www.hindustantimes.com/Come-2014-fingerprints-to-be-mandatory-for-foreigners/Article1-558831.aspx>

Buyer's Guide: Two-Factor Authentication

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<http://www.windowsitpro.com/article/security/Buyers-Guide-Two-Factor-Authentication.aspx>

Future of eReading: Following your eyes?

As eReading devices and the software that runs them become more advanced in an increasingly competitive market, researchers are creating applications that could take reading to a whole new level, with tools such as Text 2.0—a reading technology that personalizes the user's experience by tracking eye movements. Created by researchers Ralf Biedert, Georg Buscher, and Andreas Dengal at the German Research Center for Artificial Intelligence (DFKI), Text 2.0 uses eye-tracking technology from Tobii Technology along with HTML, CSS, and JavaScript, to customize reading based on signals sent by eye movement.

<http://www.eschoolnews.com/2010/06/17/future-of-ereading-following-your-eyes/>

Urgent need for independent impact assessment of National UID project

In the absence of hard numbers, it is anybody's guess as to what is the real intent of the UIDAI project. Is the project really meant to help the poor? Or is it just a corporate ruse to link people, track them and do targeted marketing, with the poor being used as a fig leaf to justify the huge spend on the project?

Unique Identification Authority of India (UIDAI) chairman Nandan Nilekani has been very concerned about privacy implications of the National Unique Identification (UID) project. Time and again, he has emphasized that the project could lead to privacy violations. For instance, he said in March of this year and I quote from an msn.com article: "We are also conscious of the privacy issue. In fact the UID database cannot be read by anybody. The only thing you can use it for is authentication. We are making all efforts technically and legally to see privacy is protected," Nilekani, a former Infosys co-founder, told IANS in an interview.

<http://www.moneylife.in/article/71/6012.html>

Immigration fee increases considered by feds

Fees for various immigration applications may once again be on the rise, as a proposed federal rule would bump the weighted average of immigration fees by 10 percent. The fee for the naturalization application would technically remain unchanged, while a biometrics fee that is a requisite of the naturalization process would be bumped by \$5. The rationale behind the fee increase proposal is simple: The U.S. Citizenship and Immigration Services needs money. While that agency receives appropriations from Congress, budget cuts of about \$160 million have not bridged the remaining gap between costs and anticipated revenue, according to a statement from the agency. About 90 percent of the group's budget comes from fees paid by applicants and petitioners to obtain immigration benefits.

<http://www.southcoasttoday.com/apps/pbcs.dll/article?AID=/20100620/NEWS/6200337>

Chinese woman slipped through biometric identification checks

A Chinese woman arrested on suspicion of robbery has been found to have entered Japan unlawfully after changing her fingerprints to slip through airport biometric identification checks, investigative sources said Thursday. Lin Xiulai, 33, a resident of Yokohama, has told police investigators that she underwent a surgical operation to change her fingerprints at a clinic in China's Fujian Province for about 30,000 yen, the sources said. Tokyo police arrested Lin and four other Chinese nationals in January, including Lin Guizhen, 41, who runs a bar in Tokyo, for allegedly liquoring up a customer at the bar and stealing a credit card. Lin Xiulai, who used a false name at the time of her arrest, was found to have changed the spiral patterns on her forefingers.

<http://www.breitbart.com/article.php?id=D9GCVN480>

Meeting and Conference Dates

2010 Biometric Consortium Conference & Technology Expo

Supported by the National Institute of Standards and Technology (NIST) and the National Security Agency (NSA), the Biometrics Consortium Conference is focused on Biometric Technologies for Defense, Homeland Security, Identity Management, Border Crossing and Electronic Commerce. The Conference will be two and a half days of presentations, seminars and panel discussions with the participation of internationally recognized experts in biometric technologies, system and application developers, IT business strategists, and government and commercial officers.

Dates: September 21 - 23, 2010

Location: Tampa, Florida

<http://www.biometrics.org/>

IEEE Fourth International Conference on Biometrics: Theory, Applications and Systems (BTAS 10)

The IEEE Fourth International Conference on Biometrics: Theory, Applications and Systems (BTAS 10) is the premier research meeting focused on biometrics. Its broad scope includes advances in fundamental pattern recognition techniques relevant to biometrics, new algorithms and / or technologies for biometrics, analysis of specific applications, and analysis of the social impacts of biometrics technology. Areas of coverage include biometrics based on voice, fingerprint, iris, face, handwriting, gait and other modalities, as well as multi-modal biometrics and new biometrics based on novel sensing technologies.

Dates: September 27- 29, 2010

Location: Washington, DC

http://www.cse.nd.edu/BTAS_10/

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