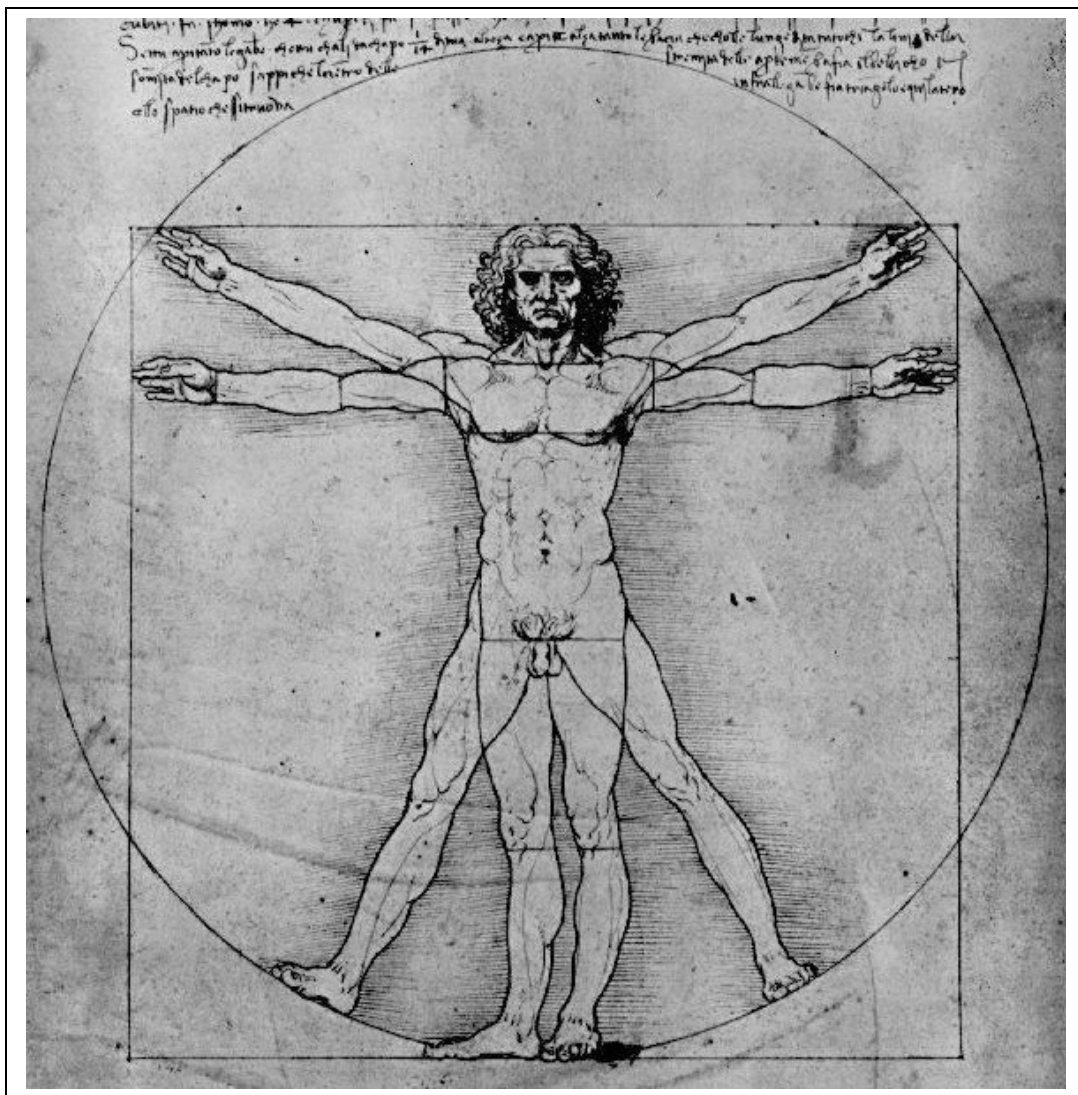


► Biometrics Newsletter 1

Special edition

Week 41 2009

Rene Bense ► ► 9-oct-2009



The Biometric Weekly Newsletter is back.

After a few months of silence the Biometric weekly Newsletter is back. As you probably know I started my own company on Biometrics consultancy. So I don't work exclusively for Capgemini anymore. All the Capgemini subscribers on the old style Biometrics weekly receive this new Newsletter. As you will notice, the Capgemini logo disappeared.

In a few weeks this newsletter can also be found on my brand-new website. I am still working on that website and you will be the first to know the url.

This newsletter is a special first edition, with the most compelling and interesting news of the last 4 months, so you catch up very easy on the Biometric news from the last Capgemini Newsletter you received may 29.

You will understand this newsletter doesn't contain the internal Capgemini news on Biometrics. I hope one of my ex Capgemini colleagues will pick this up, but that of course is not in my direct power.

Please let me know if you like this newsletter and more important, let me know what you miss or dislike, so I can improve every week.

Of course it is possible you don't work in the Biometrics field anymore and are not interested in this newsletter. Please reply with e-mail and you won't receive any more editions. If your work is done now by another colleague, please forward this newsletter to him/her and please let me know if any other colleague would be interested in receiving this free newsletter.

Regards,

Rene Bense

The Biometric news of the last four months, June, July, August and September:

[Biometric technology identifies people from a distance \(video\).](#)

Researchers at Carnegie Mellon university are working on a mix of face and iris recognition that can recognise people from distances up to 50 paces.

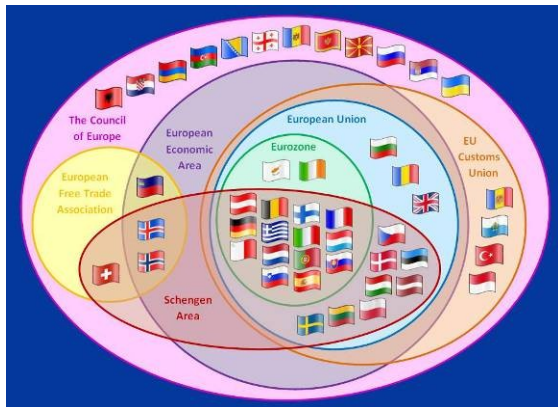
Watch the video by clicking the header of this news. (The first 30 seconds is a commercial).



[Interpol is pushing for integration with Schengen III databases.](#)

The agency is pushing for integration with several existing and emerging criminal record networks, including the European Union's [Schengen III](#) and a Middle East database lead by Jordan to keep tabs on convicted terrorists, however it faces some contention, Branchflower says, with countries arguing some Interpol services are redundant given the emergence of the bloc-based networks.

Inclusion of the Schengen laws into the European Union is very complicated, see picture below. Integration of Databases will be proportionally difficult.



Click on the image to enlarge

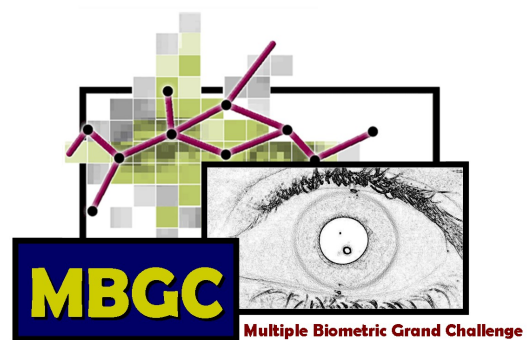
[Biometrics Hazard: A Damaging Perception](#)



Everything was good and many people welcomed the use of biometrics until one day

somebody's mind starting to have a schizophrenic moment. What if the machine has radiation? Could I get cancer? What if somebody before me has an infectious disease, would I get it too if I touched the machine after him? Would I be prone to blindness if the machine read my eyes everyday? Could I miscarry if I used this machine?

[Sagem Securite Ranked #1 by NIST In Portal Challenge tests.](#)



The National Institute of Standards and Technologies (NIST) has published the preliminary results of the Portal Challenge tests in its Multiple Biometric Grand Challenge. Sagem Securite (SAFRAN Group) is ranked No.1 in face recognition, No.1 in iris recognition and No.1 in combined recognition for these two biometric technologies.

The NIST website presenting these results can be found on: <http://face.nist.gov/mbgc/>

The complete NIST report (a 36 page ppt) on the Portal Challenge tests is available at: http://face.nist.gov/mbgc/FINAL_PORTAL_MBGC_Workshop2_v2.ppt

[Harmony XB5S Biometric Switch](#)

Schneider Electric, world leader in control and signalling components, and Sagem Sécurité (SAFRAN group), a leader in biometric identification solutions, have combined their expertise to create a new security solution for industrial environments: the Harmony biometric switch XB5S.



The biometrics integrated in the switch combines user-friendliness (no key, badge or password that can be lost, forgotten, stolen or copied) with a high level of protection (unique access using fingerprint recognition).



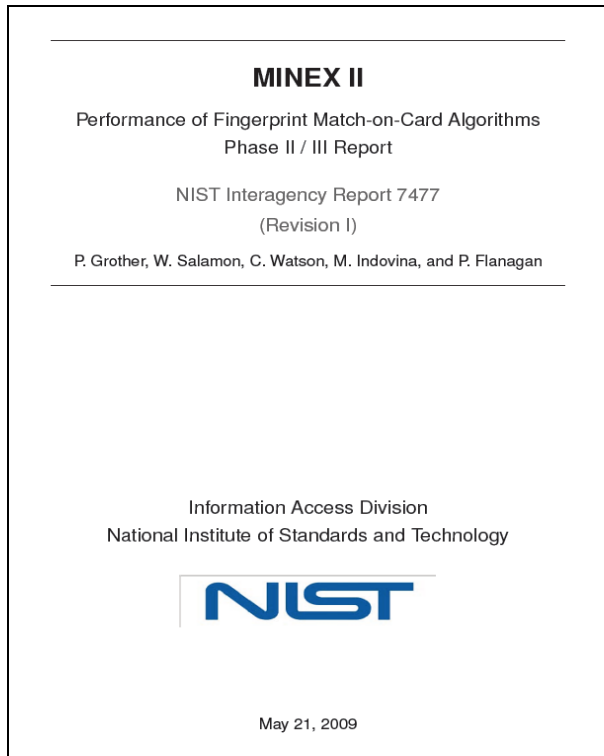
More (brochures and video) on this product can be found on the website of Schneider:

<http://www.schneider-electric.com/sites/corporate/en/home.page>

[Oberthur Says On-card Comparison Biometrics Meets NIST Criteria](#)

The National Institute of Standards and Technology (NIST) just published the results of Phase III of the MINEX II program. MINEX II evaluates the performances of fingerprint matching algorithms running on smart cards.

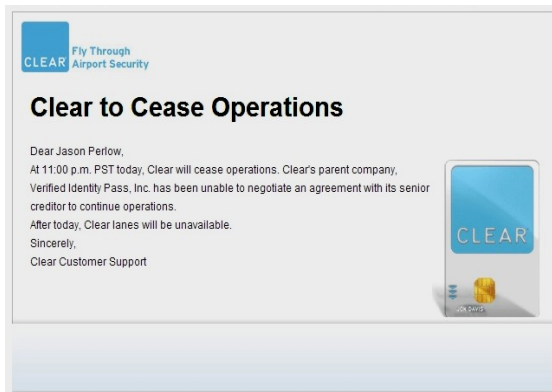
The main advantage of On-Card Comparison is to enhance security and user privacy since the reference biometric data never leaves the card. It provides a very secure way of authenticating the card holder. Oberthur Technologies/id3 On-Card comparison is one of two technologies that have successfully met NIST criteria.



The full (34 pages) Minex II report can be downloaded on:
http://fingerprint.nist.gov/minexII/minex_report.pdf

[Abrupt Closure of Airport Fast-lane Program Sparks Concern Over Customer Data](#)

A company that collected detailed personal information including biometric data on 260,000 individuals as part of a registered air traveller program it operated, has abruptly gone out of business, leaving many customers wondering about the safety and privacy of their personal data. Verified Identity Pass Inc. (VIP) has signed up more than 260,000 travellers since its 2005 inception and processed more than 2.5 million fliers through its Clear lanes.



This is not the first time that privacy concerns related to Verified Identity have surfaced. Last year, [the company lost a laptop containing unencrypted personal data on 33,000 individuals](#), prompting the TSA to temporarily stop it from registering new customers for Clear. Also look at: [Defunct Airport Fast Pass Company Can't Sell Customer Data](#)

[TigerIT Is Ranked In the Top Three In the NIST AFIS Benchmark Battle](#)

Bangladesh software development has set yet another landmark by being the first country in the region to develop an NIST certified AFIS SDK.

Results can be found on:

<http://fingerprint.nist.gov/PFT/index.html>



The test results were published by NIST on the 29th of June. The results place TigerAFIS in the tier-1 top five NIST AFIS group with NEC, Cogent, Sagem and L1.

[Plans Dropped for Compulsory ID Cards](#)

The British government said it was dropping plans to bring in compulsory biometric identity cards for airport workers and that the multi-billion pound scheme would remain voluntary.

Home Secretary Alan Johnson said the government was going ahead with the introduction of the 30 pound cards, which contain personal details, a facial image and fingerprints, but ruled out making them compulsory.

"Holding an identity card should be a personal choice for British citizens -- just as it is now to obtain a passport," Johnson said in a written parliamentary statement.



[Biometric Lock with USB Data Export](#)

BrickHouse Security says that their USB Fingerprint lock is taking the standard biometric door lock to a whole new level. This electronic lock has a USB port that you can use to export an access report to a USB flash drive. It will tell you who has been entering and exiting, and when, and they say that it is perfect for smaller organizations.

These door locks sell for \$699,-



For more information check the website:

<http://www.brickhousesecurity.com/door-access-control.html>

[Biometric Passport Database Adds Atos Origin to Mix](#)

Atos Origin will provide support to the integration of systems for the new UK biometric passport database, and for controversial identity cards. Under a new seven year deal, the services firm will be a subcontractor to IBM, which inked a £265 million contract in April with the Identity and Passport Service. The database will hold fingerprints and facial images. IBM and Atos Origin will work on the fingerprint database for the UK Border Agency's Immigration and Asylum system, until it is eventually completely replaced by the new biometric passport database. The news came only weeks after the Conservative party contacted suppliers warning them that if it won the next general election it would scrap the scheme.

[Renowned Swiss Bank Uses High-security Biometric Identity Control with LEGIC](#)



Since its first introduction onto the European market in Spring 2004, vein biometrics has received increasing attention: The VP-II "vein scanner" of the LEGIC partner RTC checks identity based on the vessel pattern on the back of the hand. The biometric data (210 Bytes) can be stored on a LEGIC credential. The first installation of this kind was recently put into operation by a Swiss bank located in Zurich. Normal key technology with keys and code entry was re-equipped to SEVA 3D and redundant lock motors.

[Diebold Launches Self-serve Vault Access](#)

Diebold announced the introduction of its Electronic Vault Attendant Elite, a dual-controlled vault and safe-deposit box access for financial institutions. Diebold says the EVA Elite is a self-service solution that relies on identity management, biometrics and access control to offer secure customer access to safe-deposit boxes without the need for a vault attendant.

For more information visit:

<http://www.diebold.com/dnpssec/financial/solutions/eva/default.htm>

[India to Issue All 1.2 Billion Citizens with Biometric ID Cards](#)

The Indian government has announced that it is to issue all of its 1.2 billion citizens with biometric identity cards. The Government has said that the first cards will be issued within 18 months.

It is surely the biggest Big Brother project yet conceived. India is to issue each of its citizens, millions of whom live in remote villages and possess no documentary proof of existence, with cyber-age biometric identity cards.



[Project Natal](#)

One of the reasons that Microsoft got such buzz for Project Natal is because it is so easy to see how the technology could change the face of gaming. But it's even easier to appreciate once you get a chance to try the gesture recognition technology yourself.

It combines 3D body movement detection with voice recognition. Try this movie for a start:

http://www.youtube.com/watch?v=g_txF7iETX0

Or the Xbox site (have patience) on:

<http://www.xbox.com/en-US/live/projectnatal/>

[Chinese Women Face Facial Difficulties](#)



A group of Chinese women who travelled to South Korea for cosmetic surgery baffled immigration officers on their return home when their new looks did not match their passport photos. The 23 women, who were aged between 36 and 54, had bigger eyes, higher noses and slimmer chins than shown in their passports.

[Will a National ID Card Prevent Identity Theft?](#)

By itself a national ID card will not prevent all forms of identity theft. However, if a number of other factors come into play that will effectively associate the credited with credit, meaning there is a factual amount of accountability through identity proofing, then yes, new account fraud as it relates to identity theft can be averted. Identity proofing means proving identity, that someone is who they say they are. There are a few ways to do this and much of identity proofing begins with knowledge based authenticating questions

coupled with documentation that may work towards verifying who is who. Once a person is proofed, a biometric feature such as a finger print or iris scan may be captured.

For more information on the Real-ID card, download the 205 page document on:

http://www.dhs.gov/files/laws/gc_1172765386179.shtm

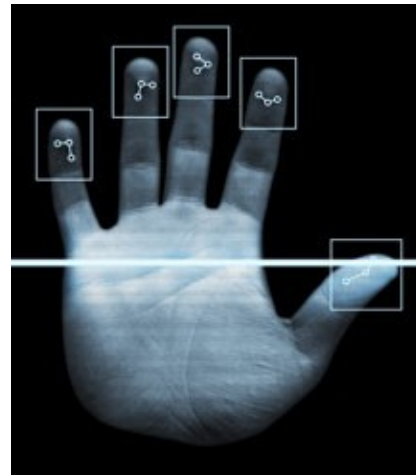
[Man with 25 IDs Nabbed by Face-recognition Tech](#)

Thanks to a facial identification system, an Indiana man was caught attempting to gain his 11th different drivers license in that state. He allegedly had all the correct paperwork and then posed for his photograph. However, in the evening after his application was approved, the photograph passed through the new facial recognition system, which spotted a remarkable similarity with 10 other licenses. He was charged with forgery and is currently incarcerated.



[Biometrics Data Is Vulnerable, Warn Experts](#)

Industry forecasters say the market for biometric data-collection systems will double or triple in size over the next five years. But storing the data on both government and privately owned computers poses an increasing threat to individual privacy and opens up new frontiers in identity theft, say security experts.



[Police In N.Y. Use Biometrics System to Secure Weapons](#)

A city police officer wanting a Taser or rifle to take on patrol will only get the weapon after providing a thumbprint for identification. The police department's new LEID Biometric Access Control System reads the print before unlocking the weapon for the officer to grab. Now, when one of the department's 124 officers checks out a weapon, there's a computer record of who has taken the weapon and when it's returned.



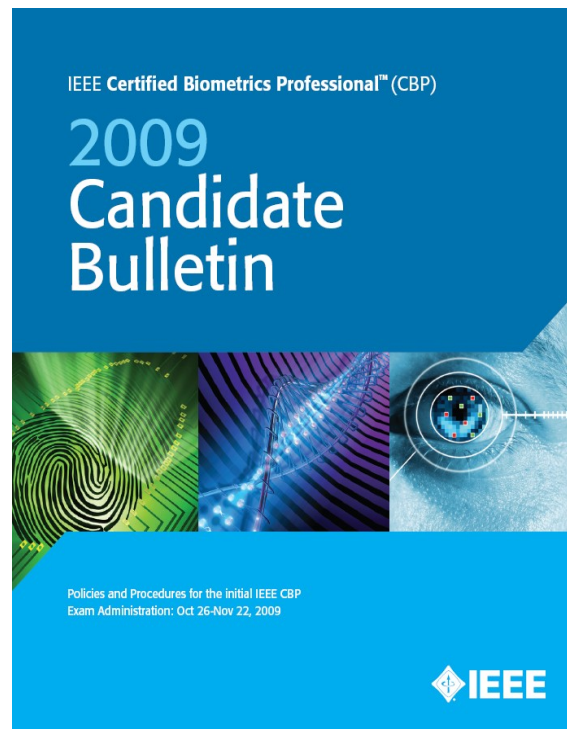
[Sarnoff Chosen by Global Animal Management to Develop the First Portable Equine Iris Capture and Identification System](#)

Sarnoff Corporation announced it has been selected by Global Animal Management, Inc. (GAM) to develop the first portable equine iris capture and identification system to help identify and track horses. Based on Sarnoff's Iris on the Move (IOM) technology, the system will quickly capture a horse's iris image with a low visibility infrared light source from a distance, even while the animal is moving. In this way, the horse is not disturbed or unnecessarily stressed as is common using today's methods of identification which often involve tattooing and manually checking marks on horses.



[IEEE Certified Biometrics Professional \(CBP\) Program](#)

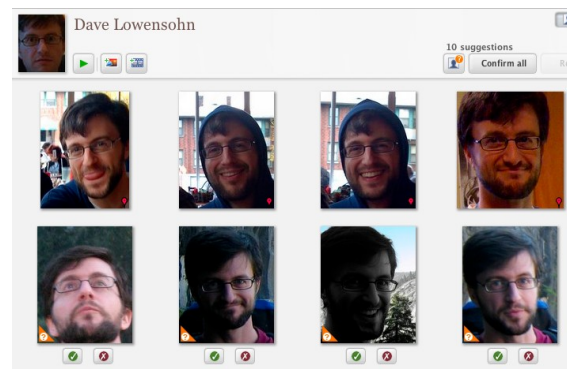
The IEEE Certified Biometrics Professional™ (CBP) program was established to identify individuals who have demonstrated mastery of the IEEE CBP body of knowledge. The program was developed based on input and guidance from a wide variety of subject-matter experts representing industry, government, and academia. By earning the IEEE CBP credential, individuals will demonstrate that they have the competencies deemed essential for professionals in the biometrics field. The IEEE CBP program has officially launched and the program website is live. You can view the website by visiting www.IEEEBiometricsCertification.org.



Download this 24 page brochure on:
http://www.ieeebiometricscertification.org/ieee-cbp-certification/IEEE_CBP_2009_Candidate_Bulletin.pdf

[Picasa 3.5 Brings Facial Recognition to the Desktop](#)

Roughly a year after rolling out facial recognition on its Picasa Web Albums site, Google on is introducing an updated version of its Picasa software (for Windows | Mac) that can recognize faces in photos stored on users' computers. Just as it does on the Web, Picasa scans your photos for faces, then groups together photos of specific people.



[Dutch Citizens Face Lack of Transparency About the Use of Their Biometric Data](#)

In the Netherlands, the large scale registration of citizens' biometric data is at a relatively advanced stage. The Passport Act recently passed in the Dutch Parliament has given the Agency BPR BZK the green light for building a central registration system that will hold personal data including Dutch citizens' face- and finger scans (4 fingers). The database is set up to detect identity fraud with passports but can also be used in the investigation of serious crimes, and be accessed by the prosecutor and the secret service (AIVD). Only a few groups and individuals seemed to be concerned about this development. Their objections focus on violation of civil rights.



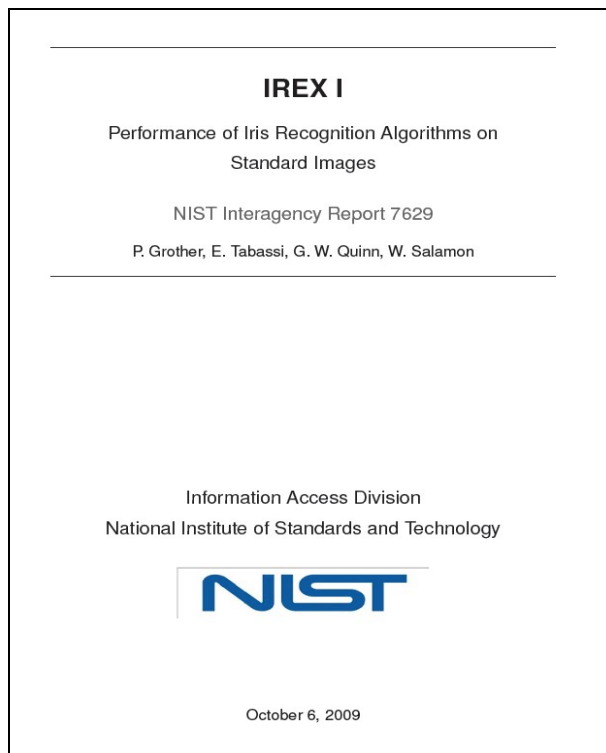
[FBI Building System that Blows Away Fingerprinting](#)

The Federal Bureau of Investigation is expanding beyond its traditional fingerprint-focused collection practices to develop a new biometrics system that will include DNA records, 3-D facial imaging, palm prints and voice scans, blended to create what's known as "multi-modal biometrics." "The FBI today is announcing a rapid DNA initiative," said Louis Grever, executive assistant director of the FBI's science and technology branch, during his keynote presentation at the recent Biometric Consortium Conference in Tampa.

[NIST IREX Evaluation Judges VeriEye 2.1 One of the Most Reliable in Iris Recognition](#)

The National Institute of Standards and Technology (NIST) has judged Neurotechnology as the provider of one of the most reliably accurate iris recognition algorithms in a test of leading providers. The NIST Iris Exchange (IREX) Evaluation judged eighteen state-of-the-art algorithms from ten different providers and found VeriEye 2.1 to be in the top three for accuracy and, of the top three, the fastest matching algorithm by a wide margin.

The complete NIST IREX report is available at: <http://iris.nist.gov/irex>.



Upcoming Events:

November 3-5, 2009 Milan

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- Networking in the Fast Lane
- Exploring the Latest Applications
- Drilling-down the Local Market

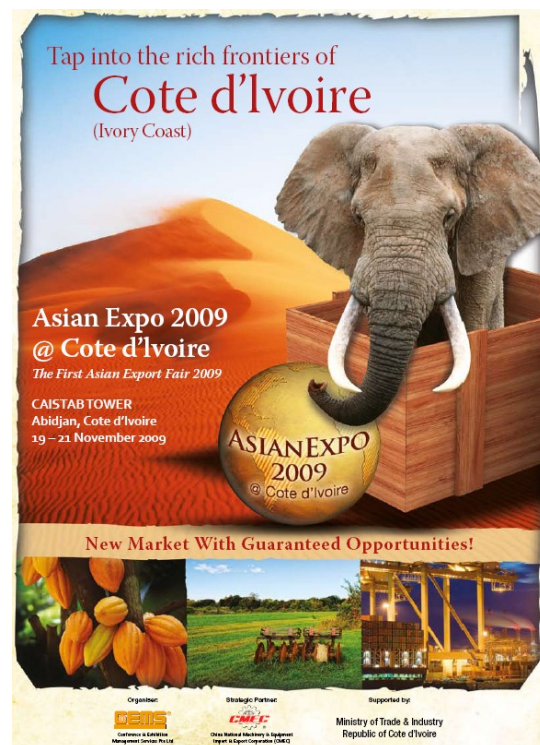
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