

Note from RFIDba



On behalf of our entire management team at International RFID Business Association (RFIDba) and RFID Technical Institute (RTI), I would like to thank Terrapinn for inviting us to be a part of the very exciting RFID World Asia 2006 in Singapore.

Kick starting the event on 25 April will be "RFID Principles and Practices," a pre-conference masterclass led by RTI, in cooperation with all of us at the RFIDba. Expect nothing less than a well-assembled, concentrated, thought provoking session with Continuing Education Units (CEUs) from DeVry University and a course certificate from the RFID Technical Institute.

The 2-day conference, commencing on 26 April will bring together experts and practitioners from a wide spectrum of industries including retail, logistics supply-chain, healthcare, transportation and gaming amongst many others, to present and discuss strategic and technology issues. Find out how RFID will IMPACT your business this year and beyond!

I highly recommend RFID World Asia 2006 as a MUST attend event in 2006. I am certainly looking forward to being a part of this high-caliber, quality event for the Asian RFID industry-you should too!

See you there!

Regards,

Harry P. Pappas

Founder, President & CEO

International RFID Business Association (RFIDba)

An international, vendor-neutral, NOT for profit, trade association serving the educational needs of the RFID end-user community

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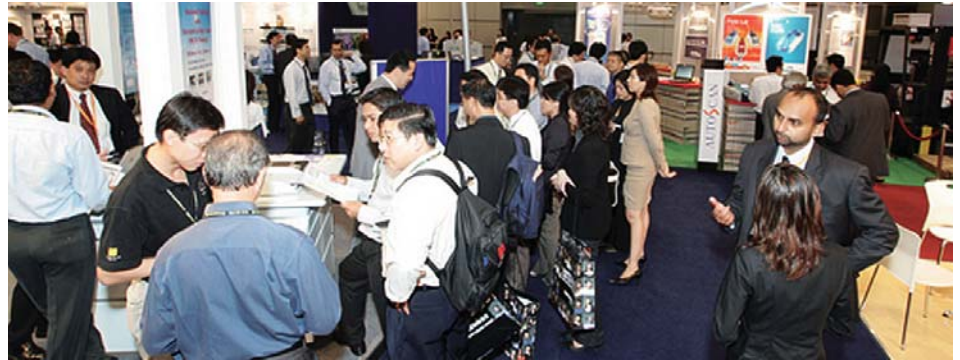
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New payments profile to complement Cards Asia event



Welcome to another exciting issue of iTouch – the newsletter that gives you up-to-the minute news on Asia's only event that brings together a showcase of smart cards, RFID, biometrics and payments technology from 26 – 28 April 2006 at Suntec Singapore.

Introducing the inaugural

New PAYMENTS WORLD ASIA 2006

2006 will see the addition of a new payments profile to reflect the growth and interest of this market. As the smart card market in Asia grows, it is inevitable that new payment issues, challenges and technologies will evolve. Mobile payments, electronic payments, contactless payments and payments in a post EMV era are just some new payment areas with the changing smart card markets.

Cards Asia exhibition is not just another product showcase

We know that smart cards have gained wider acceptance and recognition in Asia through consumer applications including transportation, electronic money, national ID and mobile SIM cards. In the recent years fueled by the need for the world to become safer, IDs, smart cards, RFID and biometrics technologies have taken centre stage. There is an increasing trend for these technologies to be applied hand in hand to identify, authenticate and track individuals or goods.

The **Cards Asia** exhibition does exactly this by showcasing real life and fully implemented systems where visitors can 'see', 'feel' and 'touch' how new technology developments in RFID, contactless payments and security can be seamlessly integrated into practical and profitable implementations for your business.

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New research shows loss of personal/financial data the number one concern of consumers worldwide

Article contributed by **Visa International**

China among world's "most concerned" when it comes to potential loss of personal or financial data

A global survey of consumer attitudes released today by Visa International reveals that the theft or loss of personal or financial information is the number one concern among consumers worldwide, with 64 percent expressing anxiety over such an occurrence.

Both China and India were in the top four countries most concerned about lost or stolen personal information among the 12 countries surveyed. At 52 percent and 48 percent respectively, the levels of concern drop significantly among consumers in Japan and Australia, the other two Asia-Pacific markets included in the survey.

“This survey confirms for Visa that data security is as much a concern to consumers in China as it is to others around the world. Ensuring world class data security in rapidly developing markets is a top priority for Visa and its members said Peter Maher, Executive Vice President and General Manager, Risk Management, Visa Asia Pacific.”

Australian consumers reflected the importance they placed on the role of advanced technologies to authenticate the transactions of genuine cardholders, with 63 percent of them saying it would make them feel much more secure, compared to the global average of 57 percent for this response.

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Continued from pg 1

New research shows loss of personal/financial data the number one concern of consumers worldwide



Advanced security technologies such as EMV chip and data encryption are key fraud prevention programs, which Visa and its members are introducing to drive down fraud levels. Malaysia has already completed a national migration program to EMV chip and has introduced encryption throughout its payment system. The new technology has virtually eliminated counterfeit fraud in Malaysia.

Other data security initiatives being run across Asia Pacific include Visa's Account Information Security, which helps merchants and payment processors improve their data security standards to safeguard cardholder data; as well as Verified by Visa - an online authentication program. Fraud as a percentage of Visa's volume has declined in the last decade and is at an all-time low.

Globally, consumers also viewed broader education as part of the solution, with 40 percent reporting that they would feel more secure if they had more information about how to protect themselves against loss of their personal data. Still, education efforts are also making an impact, as consumers report changes in behavior, particularly when shopping online:

- 63 percent of consumers say they are more careful when disposing of financial statements
- 50 percent look at the privacy policies of companies with which they do business
- 62 percent of online shoppers are more discriminate about the sites at which they make purchases

Other potential measures cited by surveyed consumers included better enforcement of laws and zero liability for fraudulent use of payment cards, a protection already in place in Asia Pacific, Canada and the United States.

Hear Peter Manners, Regional Head of Chip, Emerging Products & Technology, Asia Pacific Region of Visa International, relating Visa Wave case study at Payments World Asia 2006 on Day Two, 10.00am. For more information, visit www.worldofcards.biz/2006/pwa_SG

Are contactless payment cards tickets to wholesale fraud?

By **Jeffrey Chasney**, Chief Information Officer, **CKE Restaurants, USA**

Contactless payment cards are the latest craze in the marketplace. They come in the form of cards and fobs. So what is the advantage to the customer? And what might be the disadvantage to the present card-carrying customers...? Do you know who has been contacting your "contactless payment card?" ...You may not.

With today's magnetic-stripe credit cards, you at least know who you have given your card to. To use your account, thieves must get their hands on your card; or, if they gain access to online records, they have to get not only your credit-card number, but also its expiration date (and more recently, the authorization code on the card back).

So how can the "contactless payment card" be compromised? Not quite as easily as a mag-stripe you think as advocates point out, contactless-card data is protected with 128-bit triple-DES encryption.

But these new technology cards present some new opportunities that didn't exist before. The perpetrator no longer needs to

be able to take possession of the card to read it! Contactless cards can be read anywhere in reasonably close proximity. All that the waiter must do is to meander through the dining room, walking close to seated customers with a small reader in their pocket. And given that a card is secretly read, the waiter can substitute that information in settling the check and simply pocket the cash from the customer.



Jeff Chasney is executive vice president, strategic planning and CIO of CKE Restaurants, Inc., the Fortune 500 company which owns the Hardees, Carl's Jr., and La Salsa Fresh Mexican Grill restaurant chains in the USA. Jeff will share his views and experiences on how contactless technology is shaping the payments landscape for retailers at Cards Asia 2006. Catch him there!

(A longer version of this article appeared in an August 2005 issue of CIO Insight.)

Protecting interchange fees: What alternatives to litigation?

By **Aneace Haddad**, Founder and Chairman, **Welcome RT, France**

Retailers don't see nearly enough value in payment cards to justify their cost. To drive fees down, they are accusing bankers of illegally fixing card fees and are suing the card associations and the major banks. This could cost the global cards industry over \$100 billion, experts say, and lead to a bank-card system that would be more expensive and bureaucratic to manage.

The Guardian reported that a new investigation has been launched in the UK on the legality of interchange fees. The Office of Fair Trading (OFT) estimates that banks overcharge retailers through interchange fees which are essentially a tax.

In the US, the National Association of Convenience Stores (NACS) says that the total cost of card fees may soon exceed store profits. Card fees are the fourth-largest expense at the store level and are projected to exceed store utility costs within the next decade and the cost of store rent by 2020.

Another major retailer association, the Food Marketing Institute, alleges that credit card companies and their member banks set interchange fees with no regard for merchants and with no additional service provided to merchants, in spite of the fact that fees have increased steadily over the past 10 years.

Payments World Asia 2006
Gold sponsor

WELCOME
a new way to pay

Protecting interchange fees through court battles is one way to address the problem. Another way is to re-invent the payment card product into something which offers far more benefits to retailers, and which retailers would be happy to pay for. The problem has become too big for little incremental benefits to do any good. Payment card products need to provide substantial new value that gets merchants to say, "Wow! This really helps me solve the types of problems that keep me awake at night! When can I have it? I want it now!"



Hear Aneace Haddad's keynote address - "Will contactless payments change the global payments landscape?" at the upcoming Payments World Asia 2006 conference, Day Two at 9am.

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New payments profile to complement Cards Asia event

RFID in action!

Research by IDC shows that the market for RFID-related consulting, implementation and managed services is expected to grow by 47% this year alone to reach \$ 2 billion by 2008.

3rd annual R.F.I.D. World Asia

If your organization is looking to improve its supply chain efficiency, save valuable resources,

increase productivity, minimize theft, improve customer service and impact your bottomline, **RFID World Asia** conference and exhibition is where you will get the answers and technological knowhows.

Biometrics Pavilion

Biometrics WORLD

With more banks and credit card companies looking to integrate biometrics into their payment authentication systems, there is an increasing acceptance of biometric technology not only in the public but private sector.

This year we bring you a dedicated Biometric Pavilion where you can experience the latest technologies in facial/iris/fingerprints access control, voice recognition, biometrics smart card, PKI solutions and more.

At the 2nd annual **Biometrics World Asia** is the special on-floor educational seminars that will feature case studies from the Asia Pacific region coupled with technological presentations by leading biometrics providers.



4 events – ONE show!

Cards Asia has progressively evolved together with the changes in the industry, and will continue to innovate and provide customers with an overall encompassing one stop business opportunity. The proven synergistic profiles of cards and payments, RFID and biometrics affirm Cards Asia's commitment to the sectors. This is the only platform to learn, evaluate new products, get new ideas build relationships and see smart cards, payments, RFID and biometrics strategies turn into reality!

All the best under one roof! **Cards Asia 2006, RFID World Asia 2006, Payments World Asia 2006 and Biometrics World Asia 2006** is the only trade event you need to attend this year.

I look forward to meeting you there!



Patricia Cheong

Patricia Cheong
General Manager

Payments conference set sights on new innovations and its implications on businesses

PAYMENTSWORLD
ASIA 2006

Asian countries will see huge growth in the contactless payments market in 2006, with operators, banks, credit companies, retailers and billing infrastructure providers all vying for a piece of the booming payment market.

The **Payments World Asia 2006 Conference** agenda will address contactless, mobile-payments and other new technologies and solutions, as well as their implications on your business. What you will learn:

- Discover how innovative and exciting developments in the payments market can enable you to differentiate your payments offering
- Case studies from leading retailers who have deployed Contactless payments with NFC (Near Field Communication)
- An in-depth look at fraud and security issues surrounding payments

Key speakers



Derek Sulger
Chief Financial Officer
SmartPay Jieyin Ltd, China



Bin Tang
Chief Executive Officer
YeePay, China



John Murphy
Head of International Payments & Clearing Services
ANZ Banking Group, Australia



Matthew Teo
M-Commerce Specialist
Starhub, Singapore



Anthony Morris
Executive Manager
Strategic Development
Octopus Cards, Hong Kong

For more information, visit
www.worldofcards.biz/2006/pwa_SG

Smart facts

- 200+ international and regional exhibiting companies
- 5,000+ visitors
- Showcase of technology, products and services in 4 profiles – Cards, RFID, Biometrics, Payments over 6,000 sqm
- Dedicated Biometrics pavilion
- 100+ industry speakers over 3 conferences - Cards, RFID and Payments
- Dedicated on-floor seminars for Cards, RFID and Biometrics on exhibition floor
- More than 8 hours of speed networking, cocktails and parties!
- 500+ delegates from key vertical sectors
- 1 event

Log on to
www.worldofcards.biz/2006/ca_SG
to pre-register before 14 April 2006.

Leveraging RFID to deliver more to Asia's healthcare industry

Article contributed by **TNT Express Worldwide**

Demand for healthcare service is on the rise, and a wealthier and wiser base of Asian patients and healthcare professionals expect more from manufacturers of pharmaceuticals, surgical devices and diagnostic products. RFID holds promise of ensuring the integrity of medical products at all stages of the supply-chain.

TNT Express Worldwide offers unique, integrated "demand-chain" solutions for Asia's healthcare sector, deploying RFID-enabled technology to provide monitoring of temperature-controlled products in transit, remote inventory management of hospital-consigned goods, and a range of spare parts replenishment solutions.

At RFID World Asia 2006, TNT's regional life science industry director, Steve Stine, will discuss the rapid changes affecting Asia's healthcare sector and how RFID-assisted solutions can enhance sales, reduce risk, and offer up new levels of service quality to hospitals, labs, doctors and patients.

Block out your calendars between 26-28 April and attend RFID World Asia 2006 to hear leading speakers from not just the pharmaceutical arena but also a wide spectrum of other industries speak about booming RFID in the region! Make a date with us now!



Helping organizations realize the business benefits of RFID and wireless sensor network technologies

Article contributed by **Intel Solution Services**

Creating a competitive advantage

Enter the Metro Future Store, and the future begins now. On its list of surprises: a Personal Shopping Assistant that displays your shopping list and shows you exactly where each product can be found; a product scale that "sees" what product you are weighing; electronic digital price "tags" on store shelves that can be changed every hour, if needed; video display screens all through the store showing today's specials, which can be changed by the minute; a computer which matches the perfect wine selection and guides you to the bottle's location via a beamed display on the floor. Meanwhile, in the back room and even on the shelves, RFID tags are tracking product, from distribution center to back room to store shelf to checkout.

CGI Metro felt a need to keep up and wanted to create a competitive advantage. They were keen on realizing how best to utilize technologies that can enhance the shopping experience and measure the increase in customer satisfaction. In addition, they were eager to lower selling and other operating costs as well as measurably increase employee productivity and overall competitiveness.

The initiative served as the platform for technical and process-related development and innovation in retailing. In the long term, the project organizers hoped to set standards for retailing that can be implemented on an international scale.

RFID World Asia 2006 Networking lunch sponsor



For more details on the METRO Group's Future Store Initiative, free White Papers will be made available courtesy of Intel Solution Services to conference delegates at the RFID World Asia 2006 conference. Visit www.worldofcards.biz/2006/rfidwa_SG for more information.

Understand the RFID revolution at the RFID World Asia 2006!

R.F.I.D.
World Asia

RFID – the technology that has taken the world by storm. With Wal-Mart leading the way forward in 2004, numerous RFID pilot programs have sprung up in the US and the UK.

While RFID has long been hailed for its guarantee to being a superior way to monitor merchandise in warehouses and retail outlets, it is also being denounced as an invader of privacy because tabs are kept on people's usual shopping or other habits. Cost issues are also a concern as it may possibly inhibit the take-up rate of RFID.

Amidst the accolades and criticisms, RFID is on the upswing! If you want to know more about

- How much has developed in the Asian and global RFID arena recently
- Current shaping forces and how the future looks like
- Factors for consideration in adopting RFID
- Cost vs. ROI in RFID

Then come on down to **RFID World Asia 2006 conference** and stay current with the latest technology developments, as well as local, regional and international RFID activities.

RFID World Asia 2006 speakers faculty:



Neco Can
CIO
J Crew & Co, USA



Steve Stine
Life Science Industry Director (Asia)
TNT Express Worldwide, Singapore



Dr. Joseph Salvo
Head of RFID
General Electric Global Research Center, USA



Chng Ken-Wei
Head of RFID Program (Asia)
NOL Group, Singapore



Roland Nickerl
Divisional Director of Logistics Planning
Otto (GmbH & Co KG), Germany



M.R. Ramakrishnan
Managing Director, Centre for Railway Information Systems (CRIS)
Indian Railways



Jens Heitmann
Head of Systems/Equipment Standardization
Airbus Policy Equipment Processes and Methods.
Airbus GmbH, Germany

Make a date with us today-register for RFID World Asia 2006 to ease your way to the forefront! Call our customer service hotline at (65) 6322 2771 or register online via www.worldofcards.biz/2006/rfidwa_SG

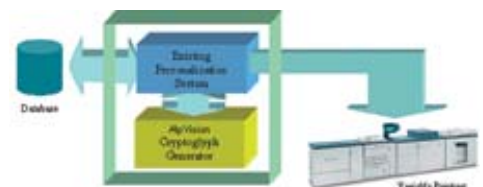
New value paper processing chain helps banks fight counterfeiting and tamper-proofs payment documents

Article contributed by **AlpVision SA**

Today's personal computers, scanners and printers have increased the production of counterfeit documents and make illicit tampering with banking documents much easier. Sources of losses identified by bankers' associations include fictitious document fraud, counterfeiting of corporate checks and other negotiable instruments, as well as false identification documents. Added to these problems are dishonest employees and processing errors.

Bankers must cope with these threats in order to prevent further losses by exploring new technologies. Fortunately, new value paper processing chains now allowing banks to transmit electronic check images instead of physically transferring paper checks can effectively fight forgery and tampering with documents.

One solution commercialized under the name of Cryptoglyph®, developed by AlpVision, a Swiss leading supplier in security solutions, working closely with leading Swiss and European banks, uses a large number of invisible printed dots randomly spread on the document. These dots hide critical information encrypted with a 128 bit cipher key. It allows for both document authentication and comparison of the hidden encrypted information with what is printed on the value document.



"Cryptoglyph which are printed on our payment orders have reduced the fraudulent attacks to almost zero", declared a security officer of an important Swiss bank who insists on anonymity, as confidentiality and secrecy are key elements of a document security policy.

"The detection software, which performs at four documents per second, was easily integrated into our existing IT environment; the detection process has not slowed down our regular digital document processing", added the IT manager of the bank.

Digital image processing and digital security printing open a new era for banks to fight counterfeiting and prevent tampering with value documents.

For more information, visit the booth #4E18 to see a demonstration, or attend the educational seminar presentation by Philippe Jordan, 26th April, 2006 at 1.15pm

DigitalPersona Fingerprint Biometrics helps United Bankers Bank (UBB) secure critical information

Article contributed by **DigitalPersona**

The United Bankers' Bank (UBB), concerned that passwords were too weak an authentication method, wanted to safeguard account information accessed by employees and its customers. UBB was also experiencing a high volume of support calls from users whose passwords had expired or were forgotten.

“After much research into biometric technologies, UBB adopted DigitalPersona's fingerprint authentication solution. “We were looking for a system that provided a maximum level of protection, was easy to use, and was cost efficient.” said William C. Rosacker, President of United Bankers' Bank.

With the simple touch of a finger, an authorized UBB employee or customer is automatically logged in without having to type in their password or account information.

UBB has integrated with Active Directory using DigitalPersona's U.are.U Pro AD product to manage passwords from a central server.

Through DigitalPersona's U.are.U Online, UBB also realized their goal of improving security with bank-clients. UBB's commercial customers log in and authenticate transactions via a fingerprint instead of a password which is vulnerable because it can be shared, written down or compromised. UBB is now assured that the person requesting a wire transfer, making transactions, accessing bank statements or performing other confidential activities is the person authorized to do so.

For more information, visit us at booth 4E13 at Biometrics Pavilion to see a demonstration.

Is your Loyalty Program in a Vicious Circle or Virtuous Cycle?

By **Steve Lobb**, Managing Director, **Loyalty Management International**

It is fair to say that most retailers in particular focused their loyalty programs initially on recognizing and rewarding better customers; encouraging lift, shift and retention among existing and potential customers thus giving increased sales; having a long term effect on customer relationships; along with a desire not to be left behind by competitors. Most retailers with loyalty programs have in-house resource to manage the programs, and use the CRM tools that programs allow.

In some cases though, given the high cost of managing in-house programs, or uncertainty over customer commitment and engagement, companies have reasonably enough managed costs by reducing either the customer value in or communication of the program.

The catch in some cases with that approach has been a reduction in affected sales, lower still incremental sales, and a smaller pot to apportion fixed costs. This in the worst case leads to a vicious cycle where customers slowly become disaffected and managers rightly questions the whole program design and approach. Most competitors in an industry may well have a similar program, so market share gains are difficult, but the risk of exiting is high.

Now there is the dilemma, where these companies recognize the sophistication and effectiveness of CRM tools when applied

well, but their underlying program design no longer generates affected sales to make the analysis worthwhile. Or the cost of managing the program, with all the new tools, is prohibitive.

But you can turn the dilemma into a Virtuous Cycle, where better design leads to increased sales, while the proportion of costs going back to real customer value are progressively increased.

Central loyalty systems, data warehousing, data collection and management, campaign management, analytical expertise, rewards management and fulfillment, contact centres can all now be outsourced effectively. What are the best ways to take advantage, without compromising your links with your customers? Coalition programs can be the route to a Virtuous Cycle versus establishing your own.



Steve Lobb, Managing Director of Loyalty Management International with extensive experience founding and consulting on loyalty programs worldwide, will be at Cards Asia 2006 to share the advantages of joining coalition program and how to manage the pitfalls in doing so.

What would make retail therapy even better? Try contactless payments

Who needs spare change or PIN numbers when all it takes is a wave of a contactless-enabled device? Faster transactions, shorter queues. Contactless payment is chicken soup for the retail junkie – merchant or consumer – or is it? Concerns about security and privacy are synonymous with credit cards and the same can be said for contactless payments.

Cards Asia 2006 conference will look at how contactless technology is shaping the smart cards sector, presenting pioneers in the field of contactless payments from the banking, retail and public sectors who will share their experiences in adopting contactless technology.

Other key themes over this powerful two-day affair include the perennial but important issue of fraud and security, multiapplications, risk management, building customer experience, the opportunities for co-branding, and identity management and other smart applications in the public sector.



Key speakers:



Sanjay Sharma
Corporate Head – Technology Officer
IDBI Bank, India



Jeffrey Chasney
Chief Information Officer
CKE Restaurants, USA



Michael Chang
Executive Vice President, Credit Card Division
Chinatrust Commercial Bank, Taiwan



Raymond Wong
Assistant Director, Information Systems, **Hong Kong Immigration Department**

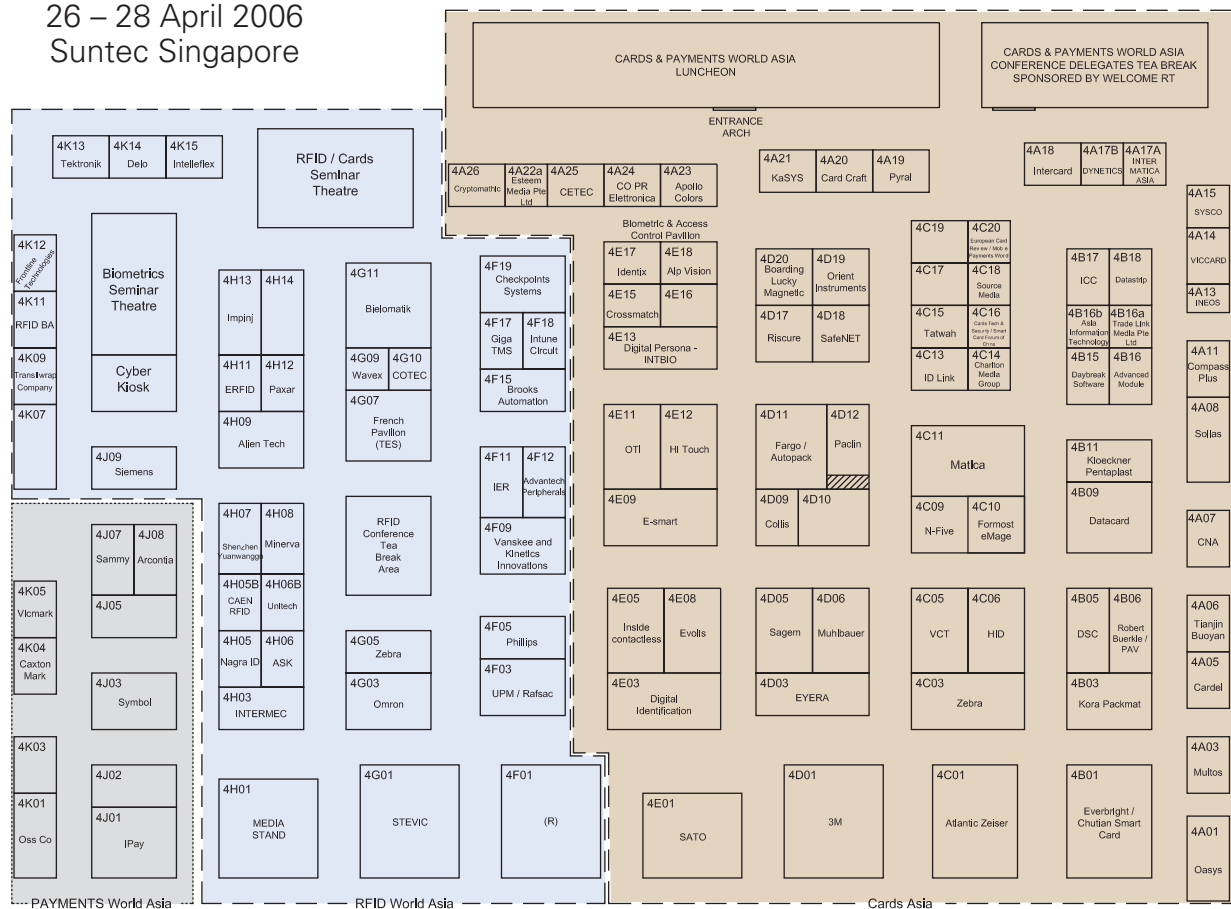


Andrew Purchas
Head of Financial Crime Control
Westpac Banking Corporation, Australia

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Simply call our customer service at +65 6322 2770 or visit www.worldofcards.biz/2006/ca_SG!

Floor plan

26 – 28 April 2006
Suntec Singapore



List of Exhibitors

- 3M Touch Systems Singapore Pte Ltd
- Advanced Modules Pte Ltd
- Advantech Peripherals (Singapore) Pte Ltd
- Alien Technology Corporation
- AlpVision SA
- Apollo Colours Ltd
- Arcontia AB
- Arjo Wiggins
- Asian Banking & Finance
- ASK
- Atlantic Zeiser GmbH
- Autopack Pte Ltd / Fargo
- Baoding Lucky Magnetic Information Materials Co., Ltd
- bielomatik Leuze GmbH + Co.KG
- Boewe Cardtec GmbH
- Brooks Automation (Germany) Inc
- C.R.C.I. - NORMANEX
- CAEN RFID
- Card Technology and Cards & Payments
- Cardcraft Australia Pty Ltd
- Cardel Limited
- Cards Tech & Security
- CardsNowAsia
- Caxton Mark Inc.
- Checkpoint Systems Inc
- China Elite Technology Co., Ltd
- Chutian Dragon Smartcard Co., Ltd.
- CO.PR electronica
- Collis B.V
- Compass Plus Ltd
- Computer IT Guide
- Cotec Co.,Ltd.
- Cross Match Technologies GmbH
- Cryptomathic Ltd
- DataCard Asia Pacific Limited
- Daybreak Software Pty Ltd
- DELO Industrial Adhesives
- Digital Identification Solutions Pte Ltd
- DigitalPersona-INTBIO
- Digital Scanning Corporation
- Dynetics Engineering Corporation
- ERFID Control (M) Sdn Bhd
- e-smart Technologies Inc
- European Card Review/Mobile Payments World
- Evolis Card Printer
- Eyerla Pte Ltd
- Fire & Security Today
- Foremost eMage Corporation
- GEP S.p.A.
- Giga-TMS Inc
- HID Asia Pacific Ltd
- Hi-Touch Imaging Technologies
- Hong Kong Ever Bright (Holdings) Ltd.
- ICC Solutions Limited
- Identix
- IDlink Systems Pte Ltd
- IER
- Impinj Inc
- Ineos
- Inside Contactless
- Intel Solution Services
- Intellect TDR Technologies Pte Ltd
- Intellex Corporation
- Inter Matica Asia
- Intercard Limited
- Intermec Technologies (S) Pte Ltd
- Intune Circuits OY
- I-Pay Clearing Services Pvt.Ltd
- JCB International Co., Ltd
- KaSYS
- KBA-Metronic AG
- Kenetics Innovations Pte Ltd
- Kloeckner Pentaplast GmbH & Co. KG
- Kora Packmat Asia Pte Ltd
- KORA-PACKMAT Maschinenbau GmbH
- Matica System srl.
- Melzer Maschinenbau GmbH
- Minerva Electronics H.K. Company Limited
- Morimura Bros.,Inc./PRECISIA LLC
- Muehlbauer AG
- Multos
- N5 Software
- NagralD Ltd
- Oasys Technologies Limited
- Omron Asia Pacific Pte Ltd
- Orient Instrument Computer Co.Ltd
- OTI Global
- Paclin Office Products Pte Ltd
- PAV Card
- Paxar(Singapore) Pte Ltd
- Philips Semiconductor Division
- Philips Semiconductors
- Pyral SAS
- Riscure
- Robert Buerkle GmbH
- SafeNet Asia Limited
- Sagem Defence Securite
- Sammi Information Systems Co., Ltd
- SATO Asia Pacific Pte. Ltd
- Seropa Technology
- Shenzhen Yuanwangu Information Technology Co Ltd
- Siemens (M) Sdn Bhd
- Singapore Communications Equipment Co., Pte Ltd
- Smart Card Forum of China
- Smart Cards & RFID
- Sollas Holland B.V.
- Stevic Singapore Pte Ltd
- Sysco Machinery Corporation
- TatWah Electronics
- Tektronix South East Asia Pte Ltd
- TianJin Boyuan New Materials Co Ltd
- Transilwrap Company, Inc
- Ultra Electronics Card System
- Unitech Electronics Co., Ltd
- UPM Rafsec OY
- Vanskee Enterprise (S) Pte Ltd
- Versatile Cards Technology
- Viccard Pte Ltd
- Vicmark Asia Limited
- Visa International
- Wavex Technologies
- Welcome Real-Time (ASPAC) Pte Ltd
- Zebra Technologies Asia Pacific LLC

(as at 10 March 2006)



PAYMENTS WORLD
ASIA 2006

PT9000 – High speed embossing



Boewe Cardtec's new PT9000 Embossing Module offers high speed embossing with up to 900 cards per hour, only using a single drum. Multiple

embossing modules can be integrated in a PT 9000 system to achieve a higher performance even in complex applications. Each drum can perform several lines of embossing as well as front and rear side indenting. The separate topping modules allow the processing of different colors without changing the topping color ribbon, a result of the strictly modular design we have focused on for reaching highest flexibility and scalability. **Visit us at booth 4G01.**

New single-side card printer sets price/performance standard



Zebra's lowest priced color plastic card printer is the newest addition to its Value Line of card printers, the Zebra P110i. The P110i is Zebra's new lower-cost single-sided companion to the dual-sided Zebra P120i

card printer itself priced as much as 20 percent below comparable printers in its class. User convenience features include the Load-N-Go™ drop-in ribbon cartridge with integrated cleaning roller, an LCD message display to guide printer operation and an integrated card output hopper that folds into the printer to avoid being lost or damaged when not in use. **Visit us at booth 4C03.**

EMV PVT



Collis has developed a set of professional EMV test and validation tools. With these tools you can obtain confirmation of a

proper operation of your EMV products in every environment all over the world. Come and check out our new testing tools for EMV cards, terminals, host systems, e-Passports and a GlobalPlatform. **Visit us at booth 4D09.**

Drive smart



EFKON and its J.V. company **I-Pay Clearing Services (P) Ltd.** was chosen as a worthy partner of ICICI Bank to develop a system called "Drive Smart" program which enabled extension of credit purchases to fleet operators. It allows complete card lifecycle management processes like enrollment and issuance, card load re-load, fuel rate table transfer, blacklisting, blocking/unblocking and replacement are inbuilt into the program. **Visit us at booth 4J01.**

New concept in sealing machine



The FSM500 from **Sollas Holland B.V.** is a high speed wrapping machine for flat products that runs up to 500 cards/min. Unique feature & benefit of this machine is that it is a very flexible machine

which can handle different card dimensions on the same machine! The cards can be packed as single and/or as string. The modified & improved FSM 500 provides the highest level of protection against card fraud as well as low material cost. The FSM 500 is world wide appreciated by our customers due to its top quality packing combined in a reliable and flexible design. **Visit us at booth 4A08.**

Smart label and smart ticket combination machine



Melzer's combi machine basically offers a production combination for making both, smart labels and smart tickets, be it in ISO

or another format. The heart of the machine, the patented transponder selection, is needed only once. Further processing to the final product is done after the transponder has been applied. This production concept is ideal for all newcomers who want to start with different products. **Visit us at booth 4G01.**

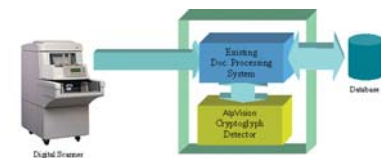
New Magicard Tempo ID Card Printer



Introducing **Paclin's** new Magicard Tempo ID Card Printer - A great value, easy to use printer, ideally suited for sites that previously never thought they could afford their own printer to produce high

quality plastic ID cards. Low cost to buy, and low cost to run, it's a quality design made simple. **Visit us at booth 4D12.**

Cryptoglyph®: A breakthrough to secure and to track & trace printed value documents



Working closely with Swiss and European banks, **AlpVision**, a leading Swiss supplier in security solutions, announces that authenticity verification, integrity checking and tracking of printed value documents can now be performed in any existing IT value paper production and processing line. Cryptoglyph uses invisible printed dots randomly spread on the document and detection software driving flatbed or high speed industrial scanners. **Visit us at booth 4E18.**

R.F.I.D.
World Asia

ASK launches contactless USB reader RDR 400 series



The RDR 400 series of contactless USB readers, product of **ASK**, are designed for performance, security and ergonomics. They are high speed, low cost,

multi-standard and multi-application and support all current ISO dual interface/contactless cards and contactless tickets. Their application includes contactless logical/physical access control, identity, banking and PC-based applications. **Visit us at booth 4H06.**

New entry-level manufacturing solution



The newly created basic machine segment, **bielomatik's** EXPLORER T-100/165, provides the new entry-level manufacturing

solution. Pre-die cut pressure sensitive labels are used as raw materials. The EXPLORER modules are fully compatible with the successful T-100/T-165 machine series, the industry standard in Smart Label Lamination. Thus, an easy and flexible upgrade roadmap is a built-in feature of this solution at virtually zero-investment risk! **Visit us at booth 4G11.**

Offering more than expected



Brooks Automation (Germany) GmbH adds a EPC compatible RFID reader to its product assortment. The HF reader with its robust aluminium body

communicates with ISO 15693 and EPC transponders. Data transmission occurs via RS232 or Ethernet-interface, that is additionally suitable for PoE (Power over Ethernet). 5 antenna ports raise the RFID device to a cost-efficient solution for applications with several reading-points. **Visit us at booth 4F15.**

The ultimate user authentication solution



Leveraging Microsoft Active Directory, **DigitalPersona Pro** security authentication solution simplifies network and application authentication with a fingerprint. It instantly verifies

authorized users, thereby improving network, application and Internet security. Users can conveniently log onto operating systems, password-protected applications and Web sites -- all with a single touch of a finger. For more information, **visit us at booth 4E13.**

highlights

RFID Consumables Initiatives



Checkpoint's Performa® line of RFID consumable products are designed to meet the specific application, performance, pricing and fulfillment requirements of

customers in various industries such as consumer packaged goods, retail, pharmaceutical, public transit & events and library markets. As a complement to Checkpoint's RFID product family, the company also provides a comprehensive selection of RFID tagging, labeling and ticketing services. **Visit us at booth 4F19.**

Tracking every footstep



DSC offer Trek it.Net software components that can be adapted to individual user requirements and can be implemented in a variety of solutions.

Our Radio Frequency Identification (RFID) readers, portable barcode terminal can identify and track your assets throughout your supply chain. Our wireless products provide additional flexibility and functionality to your needs. When it comes to TOTAL tracking solutions, you can count on us. **Visit us at booth 4B05.**

Paxar has "raised the bar" on RFID!



Introducing **Paxar's** latest Monarch® 9855™RFMP (multi-protocol) tabletop barcode printer - A multi-protocol printer/encoder with Gen2 capabilities. In addition to Gen2, the 9855RFMP encodes Class 1, UCODE EPC 1.19, and Impinj 0+ protocols. It writes to RFID chips embedded in thermal direct/transfer barcode labels, then tests and writes to the chip, verifies that the information is correct and prints human readable and barcode data! **Visit us at booth 4H12.**

Tuned into RFID antennas



Intune sets a new tone in the RFID antenna market. We are an established global company that specializes entirely in manufacturing high volume, low-cost RFID antennas. Our product range includes antennas manufactured from etched aluminium, etched copper and conductive ink. We will also introduce a unique, additive copper technology for RFID antennas. **Visit us at booth 4F18.**

RFID forklift of the future to enhance warehouse worker productivity and efficiency



Forklifts envisioned by **Cascade** and **Intermec** incorporate powerful dashboard computers positioned for maximum safety and efficiency, easy-to-reach RFID controls assimilated into the lift's control mechanisms, wireless real-time location tracking and navigational LEDs for optimal routing, and easy-to-adjust RFID readers designed into the frame of forklift attachments for flexible and accurate use with a wide range of goods and supplies. The system, designed specifically for the rugged environment of daily warehouse use, also engineers in a sophisticated cable management system, state-of-the-art wireless scanning capabilities and a built-in camera for cargo documentation. **Visit us at booth 4H03**

Wireless regulatory experience gives Zebra Technologies' RFID a global edge



Zebra Technologies, a global leader in printing solutions for business improvement, announced that its UHF RFID printer/encoders are now available for sale in 39 countries on five continents worldwide – more than any other brand. Zebra recently received regulatory approval from Taiwan and South Korea for its R4Mplus model. Additional approvals are pending in several more countries, which will bring Zebra's RFID printer/encoders to customers in two major markets globally. For more information on Zebra RFID solutions, **visit us at booth 4G05.**

Maximum performance for a minimal price



SATO rolls out its Series printers, now XML-enabled and certified for integration with SAP® Auto-ID Infrastructure. Equipped with the new XML-enabled 3.0 printing capability, the eSeries offers a simple and easy-to-manage interface to print RFID & barcode labels from the SAP® Auto-ID Infrastructure component of the SAP NetWeaver® platform. This new feature helps to answer the requirements of warehouse management, supply chain/logistics and merchandise inventory applications provided by companies such as SAP. **Visit us at booth 4E01.**

Ultrathin single journey transportation tickets



Vanskee's RFID single journey transportation tickets are currently used in Shanghai Subway System daily by millions of passengers. These ultra-thin (0.45mm) PET-based tickets are collected back and re-used. Other new products, such as, Miniature tags (7 – 10 mm in diameter), high/low temperature tags, thermal re-writable cards and UHF labels are also available now. **Visit us at booth 4F10.**

Biometrics

WORLD

Offering every possible configuration – Don't settle for less



The L SCAN 1000T from **Cross Match Technologies** is the high resolution, lightweight, compact fingerprint live scan system for use in desktop, portable or cabinet configurations. This new device combines rock solid performance, real time display and instant quality checks with crystal clear and crisp images. For more information, **visit us at booth 4E15.**

The most secure & hygienic biometric system



Utilizing the latest contactless palm vein biometric scanner from Fujitsu, **IDLink** Palm Vein Door Access is the most secure biometric system in the world today. This contactless palm vein technology is difficult to forge as it takes the images of inside-body vein pattern that are inside the body.

The contactless feature means it is sterile and hygienic, suitable for use in any kind of environment where the risk of exposure due to infection is a major concern. For the same reason, it also has the lowest false acceptance rate and rejection rate among other biometric products in the market today. **Visit us at booth 4C13.**

Hi-tech biometrics security systems for Iris and facial recognition



Eyera Pte. Ltd., a Singapore based company deals in Hi-Tech Biometrics Security Systems for Iris and facial recognition. Eyera has exclusive rights from IriTech, USA for the iris recognition technology and from LC Technologies, USA for eye tracking technology. Our product, the Phoenix, is unique as it has the capability to capture stereo face and iris images simultaneously. It is extremely reliable and user friendly while producing crisp and quality images. Our aim is to provide our end-users the best and most affordable. **Visit us at booth 4D03**

Educational seminars



&



Wednesday, 26 April 2006

- 11.00 ePassport privacy attack**
Harko Robbroch (MSc), Director
Riscure
- 11.45 First to make EPC Gen 2 work in Asia**
Edward Lu, Regional Business Development Director, Asia
UPM Rafsec
- 12.30 RFID: The quality challenge in manufacturing smart labels**
Jürgen Rexer, Global Sales Manager RFID
bielomatik Leuze GmbH + Co. KG
- 1.15 Zebra business case – ATM card banking applications**
Bob Anderson, Marketing Director
Zebra Technologies Asia Pacific, LLC
- 2.30 Security solutions for Government/ID applications**
Ludwig Huber, Senior Sales Cards & Security
Muhlbauer
- 3.00 PrintSeal – The story of success continues**
Jochen Scheil, Sales Director of Cards
KÖRA-PACKMAT Maschinenbau GmbH
- 3.45 Case study – Chinese Passport project**
Benny Tan, Director
Digital Identification Solutions Pte Ltd

Thursday, 27 April 2006

- 11.00 Increasing profits & productivity: True asset visibility with RFID**
Jasver Foo, Business Development Manager – RFID, Asia Pacific
Zebra Technologies Asia Pacific, LLC
(Barcode Dept.)
- 11.45 Optimising economy in RFID label production**
Frank Melzer, Managing Director, Marketing
MELZER Maschinenbau GmbH
- 1.15 e-Passport chip personalisation testing**
Arjan Geluk, Sales Manager
Collis BV
- 2.30 Case study: RFID and Just-in-Time logistic**
Dr. Giovanni M. Grieco, Marketing Director
CAEN RFID
- 3.45 Professional testing of EMV issuing & acquiring systems**
Jeroen Mulder, EMV Consultant
Collis EMV Competence Centre

Seats are limited and on first-come-first basis.
Pre-registration is required and you can register it
online at www.worldofcards.biz/2006/ca_SG or
www.worldofcards.biz/2006/rfidwa_SG

Wednesday, 26 April 2006

- 11.45 Fingerprint biometrics for information security**
Michael Printz, Vice President of Worldwide Sales
DigitalPersona - INTBiO
- 1.15 Fight against counterfeited and tampered valuable documents: New innovative solutions used in Europe**
Philippe Jordan, Vice President, Sales & Business Development
AlpVision SA
- 2.00 Biometrics and large scale ID projects**
Jason Chaikin, International Business Development Director
APAC, Identix
- 2.45 The e-Passport interoperability: Challenge & chance. Tasks to be solved on the way to full functionality**
Dr Andreas Wolf, Vice President for Border Control Solutions
Cross Match Technologies GmbH
- 3.30 Iritech, a key player in emerging multimodal iris and face biometrics**
Dr Kim Daehoon, President of Iritech
Eyera Pte Ltd
- 4.15 Biometrics - Contactless palm vein & 3-D facial recognition solutions**
Christopher Bian, Managing Director & Founder
iDlink Systems Pte Ltd

Thursday, 27 April 2006

- 11.00 Fingerprint biometrics compliance for multi-factor authentication**
Michael Printz, Vice President of Worldwide Sales
DigitalPersona - INTBiO
- 2.45 ePassport solutions**
Paolo Pepori, CEO
Gep SpA

Seats are limited and on first-come-first basis.
Pre-registration is required and you can register it online
at www.worldofcards.biz/2006/bwa_SG



NOL-Sun Advanced Technology Centre Site tour



The NOL-Sun Advanced Technology centre in Singapore is a technology test bed and an industrial engineering centre that recreates a real-world logistics environment where different RFID-enabled logistics scenarios and solutions can be effectively simulated and tested in a controlled environment.

Developed in partnership with Sun Microsystems, with support from Singapore's Infocomm Development Authority (IDA), the S\$2.7 million NOL-Sun Advanced Technology Centre features the latest testing facilities for evaluating RFID technologies and applications in a 'live' supply-chain environment.

Taking place on 28 April 2006 and open to all RFID World Asia 2006 conference delegates; it is your unique opportunity for a "behind-the-scenes" understanding of RFID testing in action, so sign up now! Call our customer service hotline at +65 6322 2771 or register online through www.worldofcards.biz/2006/rfidwa_SG - Applicable for RFID World Asia 2006 delegates only

Asia's leading Smart Cards, RFID, Biometrics and Payments technology event is back! Mark your diary today!

General information

26 April 2006, Wednesday
10.30am – 5.30pm
27 April 2006, Thursday
10.30am – 5.30pm
28 April 2006, Friday
10.30am – 3.30pm

Venue

Suntec Singapore International Convention & Exhibition Centre
1 Raffles Boulevard, Suntec City
Singapore 039593
Tel: +65 6337 2888/6825 2310
Fax: +65 6825 2222
Website: www.suntecsingapore.com

Admission

- Exhibition is open to trade professionals only.
- The general public and minors below the age of 16 will not be permitted entry.
- Admission is free by confirmation letter and business card registration only.

Attire

- All attendees must be in proper business attire.
- Those in shorts, bermudas, singlet, and slippers will not be allowed entry into the exhibition halls
- The organiser reserves the right of refusal of admission to visitors who are not properly attired.

Hotel accommodation

Accommodation may be booked through the official travel agent as follows:

Orient Explorer (S) Pte Ltd

Contact: Lim Chee Yi (Ms)
Niki Loke (Ms)
Rina Tan (Ms)
Tel: +65 6339 8687
Fax: +65 6339 9536/3731
Email: mail@orient-explorer.com
Website: www.orient-explorer.com

Hotel	Category	Distance to venue	Room rate* (single/ twin)
Meritus Marina Mandarin	Deluxe	3 mins walk	S\$280 nett
Carlton Hotel	Superior	7 mins walk	S\$190 nett
City Bayview Hotel	Superior	10 mins walk	S\$140 nett

Note:

- * Rates quoted are nett rate inclusive of 1% cess, 10% service charge and 5% goods & services tax.
- * Refreshment Pack - guest(s) who make their hotel bookings through Orient Explorer, with a minimum of 4 nights' stay for each room booking, will be given a refreshment pack, inclusive of 4 bottles of drinking water complimentary.



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Exhibition

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- to visit RFID World Asia 2006
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 - Cards Asia 2006 / RFID World Asia 2006
 - Biometrics World Asia 2006
- to sign up for Malaysian Visitor Bus-in programme
 - Day One - 26 April, Wednesday
 - Day Two - 27 April, Thursday
- to exhibit/sponsor in
 - Cards Asia 2006
 - Biometrics World Asia 2006
 - RFID World Asia 2006
 - Payments World Asia 2006

Name _____

Title _____

Organisation _____

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Country _____

Conference

I am interested

- to attend the conference
 - Cards Asia 2006
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