2013 International Conference and Exhibition

Security Printers

Vienna, Austria
4 - 6 December

BRINGING DOCUMENTS INTO CIRCULATION
COUNTERFEITING AND ANTI-COUNTERFEITING
DIFFERENT DESIGN APPROACHES FOR BANKNOTES
ELECTRONIC IDENTITY
OVDs
BREEDER DOCUMENTS & SOCIAL FOOTPRINT
PRINT VS. ELECTRONICS
HOT TOPICS

Organised by INTERGRAF
Revolutionary 4-in-1 Protection

actiLOR® seals combine overt, covert, forensic and track and trace security features in just one seal to protect data of high value documents.

actiLOR® seals

Visit us at our booth No. F7 and learn more about this revolutionary 4-in-1 Protection or contact us to arrange a personal meeting with one of our experts.
2013 Security Printers
International Conference and Exhibition

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Who should attend?

The event is for those who wish to be kept up-to-date with the latest news and views on emerging trends and novel technologies in security printing.

**Restrictive attendance criteria are applied**, the event being open exclusively to:

- Security printers
- Suppliers to security printers
- Banknote issuing authorities
- Government authorities
- Police forces
- Postal authorities

Each new participant has to submit a detailed check-list and product samples to the Intergraf Committee of Experts who reserves the right to refuse participation if one does not comply with the required criteria.

10 reasons to attend

- Learn from industry experts
- Highly focused programme - Hear from top developers and get expert feedback
- Make new connections
- Pre- and post-conference networking resources – The Intergraf Mobile App offers the full list of attendees with photos and quick contact option with any participant at the event
- On-site interaction around every corner – Take advantage of formal and informal networking opportunities (luncheons, coffee breaks, cocktail receptions)
- Gain inspiration – from networking with peers in the industry
- Meet with several suppliers in one place – The exhibition is by far the most complete in the graphical security field and thus allows for valuable information and direct contact
- Your customers, prospective clients and competitors will be there!
- Experienced conference management with a personal touch – Intergraf pays personal attention to each attendee, speaker and exhibitor and carefully selects a superior venue city, high class conference hotels and an enjoyable social programme
- Get informed on latest developments on standards in security management systems

Who attended the last event?

**960 participants from 69 countries** in Bordeaux 2012

“As an association we put all our efforts in serving the industry by ensuring the dissemination of latest technology, excellent networking & business opportunities and a personal contact with our delegates”

Beatrice KLOSE
Secretary General, Intergraf
Welcome address

2013 Security Printers, Intergraf’s International Conference and Exhibition will be held in Vienna on 4th to 6th December. Organising the event only about one year after the successful 25th edition of the conference in autumn 2012, in Bordeaux, brings us back to the 18 months rhythm, with the following conference in April 2015. Intergraf’s conference is in a process of change, an evolution that already started in Bordeaux. Giving more time to each of the main subjects of the conference – banknotes and ID documents – without extending the length of the overall conference by arranging parallel sessions, has already been tested in Bordeaux and was found to be effective. This has now been extended to the main conference which will feature parallel sessions on Thursday and Friday. In addition to this, Intergraf is adding some presentations, called “hot topics”, which enable companies to offer papers which were not ready at the time of the original call for papers.

Although known and loved the world over for its musical life, Vienna has also been at the forefront of some radical artistic, scientific and cultural innovations. It is the birthplace of psychoanalysis with Sigmund Freud, it fostered a major movement in painting and literature with its ‘Expressionism’ and it turned itself into the host city of international agencies such as OSCE and several UN agencies. And the city created the infrastructure to guarantee the best conditions for these international entities. Intergraf is gratefully taking advantage of this superb infrastructure to assure the smooth running of its conference. It is to this magnificent city and to Austria that I have the pleasure, on behalf of the Intergraf Committee of Experts, to invite you for the 2013 Security Printers, International Conference and Exhibition.

The Committee of Experts that is responsible for the professional content of the conference, has created a programme that is both balanced and topical to give all participants, security printers and their suppliers as well as representatives of central banks, government and police organisations, an overview of the latest developments, of challenges to the sector and ample opportunity for discussions and exchange.

I look forward to welcoming you in Vienna,

Efthimios MATSOUKIS
Chairman of the Intergraf Committee of Experts

Intergraf Committee of Experts

Efthimios MATSOUKIS  Giesecke & Devrient Matsoukis Security Printing, Greece, Chairman
Malcolm CUTHBERTSON  ICAO, Canada
Victor DE SOUSA PASSOS  Oberthur Fiduciaire, France
Tomasz GOLINSKI  PWPW, Poland
Beatrice KLOSE  Intergraf, Belgium
Wolfgang KNÖRLE  Giesecke & Devrient, Germany
Doris KÜNG  Orell Füssli Security Printing, Switzerland
Martin NABER  Netherlands National Police Agency, The Netherlands
Claudia SCHWENDIMANN  Österreichische Staatsdruckerei, Austria
Rob STIERMAN  Joh. Enschedé Security Print, The Netherlands
Yves TIMMERMANS  National Bank of Belgium, Belgium
Patoma VARELA  Fábrica Nacional de Moneda y Timbre, Real Casa de la Moneda, Spain
Welcome Speech

Malcolm Eales
Intelligence Division Passport, Canada

The Canadian ePassport
The presentation will cover the development of the artistic design and security features of the new Canadian electronic passport, which is available to all Canadians as of July 1, 2013.

Latest trends in passport and ID fraud

Hubert Gattet
National Document Fraud Office - French Border Police, France

Latest trends and examples of using forged and falsified travel and identity documents in the Republic of Moldova
This presentation will be focused on the latest trends and main statistics of using false documents in Moldova. It includes interesting examples of well-done falsification in travel documents with genuine documents comparison, as well as information about Moldova and Document Expertise Directorate within the Border Police Department of MIA, and their competence in this field.

The migration of Intergraf's CWA to the new ISO 14298

Patricia Eszlinger
Intergraf, Belgium

Learn about Intergraf's new certification offering, the ISO 14298, the importance of being a certified security printer for ministry and industry, the convergence from CWA to ISO and the qualifications and processes to become certified.

The trend towards counterfeit detection by professional cash handlers.

Yves Timmermans
National Bank of Belgium, Belgium

A challenging step in the right direction since the launch of the Euro, and increasing proportion of counterfeiting is detected before their arrival at the Central Bank. The first lesson and some consequences of the implementation of the 2010 decision of the ECB on the authenticity and fitness checking and recirculation of euro banknotes can now be analysed. Robustness of the local counterfeit detection, how to handle false alarms, how to ensure staff training?

Joseph Nugent
Passport service, Ireland

Is the counterfeit of nature reproduced in passport art? Anti-counterfeiting measures & the new Irish passport
The presentation will look at the incorporation of anti-counterfeiting measures in the new Irish passport design. It will look at this design and consider the fine balance of including multiple sophisticated anti-counterfeiting measures while not overloading passport book design.

1st line security for personalised data - international & national use cases

Stephan Hofstetter
u-NICA security AG, Switzerland

This presentation will illustrate the challenges linked to first-line security for personalised data by showcases, highlighting synergies with law enforcement bodies and specific measures.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09.00-09.10</td>
<td>Welcome by Efthimios Matsoukis</td>
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<tr>
<td>09.10-09.20</td>
<td>Welcome speech</td>
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<tr>
<td>09.20-09.45</td>
<td>The Canadian ePassport</td>
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<tr>
<td>09.45-10.10</td>
<td>Latest trends in passport and ID fraud</td>
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<td>10.10-10.35</td>
<td>Latest trends and examples of using forged and falsified travel and identity documents in the Republic of Moldova</td>
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<td>10.35-11.00</td>
<td>The migration of Intergraf’s CWA to the new ISO 14298</td>
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<td>11.00</td>
<td>Exhibition opens</td>
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<tr>
<td>11.00-11.30</td>
<td>Coffee break</td>
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<tr>
<td>11.30-12.00</td>
<td>The trend towards counterfeit detection by professional cash handlers. A challenging step in the right direction</td>
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<td>13.00-14.30</td>
<td>Lunch</td>
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<td>14.30-19.00</td>
<td>Exhibition</td>
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<td>17.00-18.00</td>
<td>Exhibition aperitif</td>
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**Efthimios Matsoukis**
Chairman of the Intergraf Committee of Expert

**Michael Fuchs**
Federal Ministry of the Interior, Austria

**Malcolm Eales**
Intelligence Division Passport, Canada

**Hubert Gattet**
National Document Fraud Office - French Border Police, France

**Grigorii Mogurean**
Moldavia Ministry of Internal Affairs, Department of Border Police, Moldavia

**Patricia Eszlinger**
Intergraf, Belgium

**Yves Timmermans**
National Bank of Belgium, Belgium

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**Latest trends in passport and ID fraud**
This presentation is focusing on the split in the thickness of identity pages in passports and on some examples of good imitations of background printing.

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THURSDAY 05/12 MORNING

SESSION 1 – DIFFERENT DESIGN APPROACHES FOR BANKNOTES AND SECURITY DOCUMENTS

09.00-09.30 The Danish banknote series 2009 – The transformation of an artistic concept into a functional and secure banknote

09.30-10.00 Colour and security – the Swiss vision

10.00-10.30 Designing substrate, print and applied security features into Guardian® banknotes

10.30-11.00 Coffee break

11.00-11.30 Integration of design and security in the Sochi Olympic Games commemorative banknote

11.30-12.00 Fighting the counterfeiters – a comparison of banknote security features

12.00-12.30 Security document design for the visually impaired

12.30-14.00 Lunch

Torbjørn Slotmann Jensen  
Danmarks National Bank,  
Denmark  
The Danish banknote series 2009 – The transformation of an artistic concept into a functional and secure banknote  
A walkthrough of the design of the Danish banknote series 2009 from the initial steps to the final design in details. It is not about making the right decisions about aesthetics and security matters, but about joining forces between the two above key aspects of banknote design.

Roger Pfund  
Atelier Roger Pfund,  
Switzerland  
Colour and security – the Swiss vision  
The importance of colour. The intelligence of a unique communication of security. A Swiss proposal, an innovative approach.

Lachlan McDonald  
Innovia Security Pty Ltd.  
PolyTeQ Services, Australia  
Designing substrate, print and applied security features into Guardian® banknotes  
A large number of new security features for polymer banknotes has been developed by substrate manufacturers, banknote printers, ink manufacturers and foil suppliers. This presentation looks at how security features in the substrate, printed on the substrate and applied to the substrate can be designed into a fully integrated finished banknote and meet the requirements of security, durability, machine processing, production efficiency and public acceptance. How can we help banknote designers and Central Banks in a world of ever increasing complexity?

Georgy Kornilov  
Goznak, Russian Federation  
Integration of design and security in the Sochi Olympic Games commemorative banknote  
The presentation demonstrates the design and security of the new Russian commemorative banknote dedicated to the forthcoming winter Olympic Games in Sochi. The banknote is produced using the advanced innovative technologies and contains high-performance security features.

Adam Page  
Smithers Pira,  
United Kingdom  
Fighting the counterfeiters – a comparison of banknote security features  
This presentation will examine trends in banknote counterfeiting, and how they are being combatted by a range of new and innovative security printing technologies. In addition, it will forecast trends in the industry and how these technologies are likely to develop, based on exclusive new primary research.

Rudie Lion  
Smithers Pira,  
United Kingdom  
Security document design for the visually impaired  
Three groups of visually impaired have different user requirements. Characteristic silhouettes and numerals are most relevant to the colour-blind, while poor sighted require colour and large numerals. To the blind tactile elements and dimensions are the two most important design parameters of security documents.
### SESSION 2 – ELECTRONIC IDENTITY

<table>
<thead>
<tr>
<th>Time</th>
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<td>09.00-09.30</td>
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<td>ICAO PKD – A new element at border controls – State of play</td>
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<td>Hands-on approach to the future of border control based on the experience of the most advanced deployments to date</td>
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### SESSION 3 – MOBILE DEVICES

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<tr>
<td>11.00-11.30</td>
<td>The challenge of convergence</td>
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<tr>
<td>11.30-12.00</td>
<td>The impact of mobile money in Africa</td>
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<tr>
<td>12.00-12.30</td>
<td>Mobile technology: using smart phones to improve tax stamps and other security documents</td>
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<tr>
<td>12.30-14.00</td>
<td>Lunch</td>
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<tr>
<th>Speaker</th>
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<tr>
<td>Tom Kinneging</td>
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<td>Morpho, The Netherlands</td>
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<tr>
<td>Roman Vanek</td>
<td>ICAO PKD – A new element at border controls – State of play</td>
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<td>Federal Office of Police - FEDPOL, Switzerland</td>
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<td>Vision-Box SA, Portugal</td>
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<td>Uwe Ludwig</td>
<td>The challenge of convergence</td>
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<td>ABnote, Germany</td>
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<tr>
<td>Andreas Luginger</td>
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<td>Giesecke &amp; Devrient</td>
<td>South Africa, South Africa</td>
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<tr>
<td>Tal Gilat</td>
<td>Mobile technology: using smart phones to improve tax stamps and other security documents</td>
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<tr>
<td>InkSure Technologies, Israel</td>
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Tom Kinneging: In 2004, ICAO introduced chip technology in travel documents to extend storage capacity and enable biometric verification capabilities. This presentation explains how, beyond that, the electronic component has increased the ePassport’s security substantially based on the use of Public Key Infrastructure technology.

Roman Vanek: The PKD must be incorporated in all systems validating eMRTDs. The PKD offers reliable and cost effective access to certificates and can help facilitate the border crossing of bona fide travellers.

Jean-François Lennon: The future for border control will inevitably include the deployments of eGates and today there is already critical mass to evaluate the challenges and lessons learnt for the future. Learn more about the lessons faced in large scale eGates deployments across Europe and how the challenges raised by the use of different types of MRTDs, especially ePassports are being addressed.

Uwe Ludwig: A case study of how government agencies, banks and service providers can approach design, development and deployment of applications.

Andreas Luginger: The introduction of mobile payment systems on the continent, has allowed unbanked people to bypass the traditional financial infrastructure, quickly catapulting consumers into a cashless economy.

Tal Gilat: Cloud-based smart phone apps are improving the bottom line for security document issuers. This new technology makes securing documents more cost effective and available to a wider audience. Some tax stamp issuers have adopted smart phone authentication into their anti-counterfeiting efforts and more are likely to follow.
### Session 4 – Bringing Documents into Circulation

**14.00-14.30**  The publicity and education campaigns for the Europa series of banknotes: experience to date  
*Allister McCallum*  
European Central Bank, Germany  
The publicity and education campaigns for the Europa series of banknotes: experience to date  
This presentation will discuss the strategy and methodology ECB adopted for publicising the second series of euro banknotes and also includes the analysis of the effectiveness of the measures.

**14.30-15.00**  Kazakhstan passport and ID: innovation for the benefit of citizens  
*Zhomart Kazhmuratov*  
RSE Banknote Factory of the National Bank of the Republic of Kazakhstan  
Kazakhstan passport and ID: innovation for the benefit of citizens  
Innovative approach in advanced electronic documents of Kazakhstan: Passport and ID cards. New chip - module and operating system corresponding to the international standards and ICAO recommendations. Integration with eGovernment services of Kazakhstan, that will allow citizens to get all state services without leaving the house. This puts into action the main principle of eGovernment in Kazakhstan: “Run on the keyboard, instead of floors!”

**15.00-15.30**  Bringing documents into circulation - law enforcement involvement and challenges  
*Malik Alibegovic*  
INTERPOL, France  
Bringing documents into circulation - law enforcement involvement and challenges  
Law enforcement and prosecutors have important functions to fulfil in the deterrence of counterfeiting of currency, ID, travel and other secure documents. This presentation will discuss the involvement of law enforcement in bringing the new series of documents into circulation as well as the challenges faced in the process and the immediate aftermath of the documents’ introduction.

**15.30-16.00**  Coffee break

**16.00-16.30**  Delivering on the ten-year-lifespan goal: technologies, processes and approaches to optimise the longevity of advanced, multi-technology smart card programs  
*Hermann Hecker*  
HID Global, Germany  
Delivering on the ten-year-lifespan goal: technologies, processes and approaches to optimise the longevity of advanced, multi-technology smart card programs  
One of the challenges facing the new multi-technology, polycarbonate-based smart cards is that of delivering on the promise of longevity and durability. Governments and agencies investing in new programs are hoping to offset the costs of new infrastructure and technologies with longer-lasting credentials that will extend for up to ten years without replacement. Technology, as well as physical and logical challenges, have interfered with this goal up to now, but new solutions and manufacturing processes are now overcoming barriers to the goal of the ten-year credential.

**16.30-17.00**  Personalisation security – new defences against ID document attack  
*Nick Nugent*  
Datacard Group, United Kindgom  
Personalisation security – new defences against ID document attack  
An examination of the growing trend of personalisation security, where variable personal data is used in novel security features to defend against counterfeiting, alteration and component theft.

**17.00**  End of conference day
Session 4 – Bringing Documents in Circulation

Session 5 – OVDs

14.00-14.30  Cellulose photonics: from nature to smart materials

Silvia Vignolini
University College London, United Kingdom

Cellulose photonics: from nature to smart materials
The brightest and most striking colours in nature are obtained without pigment by nano-structuring transparent materials. Plants obtain such structures simply using cellulose. Cellulose is the most abundant and renewable material available today, the opportunity to control and manipulate such material provides a great opportunity to produce smart materials for a variety of applications.

14.30-15.00  Innovative transparent window features for government documents

Daniel Holliger
OVD Kinegram Corp, Switzerland

Innovative transparent window features for government documents
Today the use of transparent windows or transparent areas is an emerging trend in government document design, be it for passports or for ID cards. Designing with advanced new optical variable security features enables innovative new functionalities and boost the robustness against counterfeiting and manipulation of such new documents.

15.00-15.30  First line security features meeting user requirements in OVDs and security threads

Matthias Müller
Hueck Folien Vertrieb und Service GmbH, Germany

First line security features meeting user requirements in OVDs and security threads
The presentation covers the concept and realisation of high security threads and foils that meet the public perception concerning a user oriented security feature.

15.30-16.00  Coffee break

16.00-16.30  A governmental approach to a new passport supply contract

Tony Dean
UK Passport Agency, United Kingdom

A governmental approach to a new passport supply contract
Procuring the services of a new passport supply contract is not something that Governments do lightly, as it is a major contract for a product and service that is part of a countries critical national infrastructure. This presentation will demonstrate how we went about ensuring that the successful bidder was going to be able to offer us a passport that would be sufficiently secure yet meet conflicting requirements, especially in the field of holographics.

16.30-17.00  See through plasmonic resonance technology OVD’s for windows

Hugues Souparis
Hologram.Industries, France

See through plasmonic resonance technology OVD’s for windows
Today’s trend in banknotes and in ID documents is to create a window in the document and place an optical security feature in it. But so far, most of these features either work by reflection or show a different image viewing it from one side or another of the window. Plasmon opens opportunities to create a new range of see through security features fully adapted to windows in security documents.
FRIDAY 06/12

SESSION 1 – BREEDER DOCUMENTS & SOCIAL FOOTPRINT

09.00-09.30  Is the verification of a person’s identity possible by breeder documents?

09.30-10.00  Evidence of identity

10.00-10.30  Applying well-defined rules for breeder documents’ design

10.30-11.00  The importance of secure and durable breeder documents to support migration management

11.00-11.30  Coffee break

11.30-13.00  DEBATE: PRINT VS. ELECTRONICS

The hottest long-term principal question of our security printing industry

13.00  End of conference

**Erwin Maderbacher**
Österreichische Staatsdruckerei, Austria

**Barry Kefauver**
ICAO, United States

**Tomasz Golinski**
PWPW, Poland

**Sjef Broekhaar**
International Organization for Migration (IOM), Thailand

**Jean-Dominique Nollet**
EUROPOL, The Netherlands

**Wolfgang Knörle**
Member of the Intergraf Committee of Experts

**Stefan Augustin**
Österreichische National Bank, Austria

**Austrian Phone Company, Austria**

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**Is the verification of a person’s identity possible by breeder documents?**

As of today breeder documents are the weakest link in the security chain, they do not contain biometrics as a link to the owner. New innovations are presented that connect documents to the owner.

**Evidence of identity**

The advent of today’s chip-based biometric enabled travel documents has resulted in what most experts characterise as the world’s most secure travel document. However, the world now faces threats that could make a mockery of these document accomplishments. These vulnerabilities are the systems and entitlement foundations on which these documents reside for global trust and confidence: The Next Generation of Integrity.

**Applying well-defined rules for breeder documents’ design**

Breeder documents are a very important link in the chain of identity authentication. Frequently they are the weakest link because their development process is neglected. Using the example of sample birth certificates, the presentation describes the proper security documents’ development rules, defined by international experts.

**The importance of secure and durable breeder documents to support migration management**

Breeder documents are the cornerstone of identity management. Without a breeder document individuals have no access for example to healthcare, education, voting, identity cards and passports. Since more than 200 million individuals do not possess secure and durable breeder documents they cannot obtain travel documents. When they leave a country, voluntarily or involuntarily, they may have to reach out to other means which may in turn impact on regular migration flows.

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**DEBATE: PRINT VS. ELECTRONICS**

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DeBaTe: PRinT VS. eLeCTROniCS

Security printing is today’s technique to protect high value documents, but many new applications emerge every day. What is the future of payment and identification? Will the banknote and the passport survive as security-printed documents or will the mobile electronic devices take over?
Participation fees

Member or non-member fees
Fees vary according to whether the participant’s company is a member or not of a National Printing Federation which is member of Intergraf (see list on page 36).

<table>
<thead>
<tr>
<th></th>
<th>Members</th>
<th>Non-Members</th>
<th>Banknotes Issuing Authorities, Ministries and Police Forces</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 14/10/2013</td>
<td>EUR 990*</td>
<td>EUR 1,390*</td>
<td>EUR 890*</td>
</tr>
<tr>
<td>From 15/10/2013 to 12/11/2013</td>
<td>EUR 1,190*</td>
<td>EUR 1,590*</td>
<td>EUR 1,090*</td>
</tr>
</tbody>
</table>

No registrations will be accepted after 12/11/2013.

Daily rates are not available, nor are reduced rates for attending either the Conference or the Exhibition. All registration fees are due upon sending the registration form.

Networking events and post-conference tour
The Networking Events include the Christmas Cocktail, the Exhibition Aperitif and the Dinner Party and are free of charge for delegates (see more details on pages 22 & 23).

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<thead>
<tr>
<th>Evening events for accompanying persons</th>
<th>POST-CONFERENCE TOUR on 07/12/2013</th>
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<tbody>
<tr>
<td></td>
<td>2 options (40 places available for each option):</td>
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<tr>
<td></td>
<td>Spanish Horse Riding School performance &amp; Schönbrunn Castle</td>
</tr>
<tr>
<td>EUR 190*</td>
<td>EUR 310*</td>
</tr>
</tbody>
</table>

Payments
No payment should be sent to Intergraf before receipt of the relevant invoice.

All payments are to be made in Euro (EUR) without deduction of any bank charges, either by bank transfer or by credit card (Visa, Mastercard, Amex). Intergraf’s bank details will be indicated on the invoice.

Cancellation policy
Substitution of approved delegates from the same company may be made at any time. Cancellations made after 15/10/2013 will incur a charge of 25% of the total invoiced fees. Cancellations made after 28/10/2013 will incur a charge of 50% of the total invoiced fees. Cancellations made after 12/11/2013 and no-shows will incur a charge of 100% of the total invoiced fees.

*Fees exclude 20% VAT.
Registration – Online on www.securityprinters.org

If you choose the paper form here below, please return it to Intergraf by 12/11/2013 at the latest.

NEW ADDRESS: INTERGRAF, Avenue Louise 130A – 1050 Brussels, Belgium
Phone: +32 2 230 86 46 – Fax: +32 2 231 14 64 – securityprinters@intergraf.eu

Personal details
* Compulsory fields
(Intergraf reserves the right to verify that the registered participant is an official employee of the mentioned company.)

Title  ○ Mr  ○ Ms  ○ Dr  ○ Prof.
* First name and family name

Position in the company

Department
* Company name
* Company address

Postal Code  * City
State/Region  * Country

Invoicing address if different

* VAT number, if applicable  Purchase order number, if any
Telephone +  Fax +
* E-mail  Website

Dietary needs  ○ Vegetarian

* I authorise Intergraf and the exhibiting companies to send promotional e-mails to the above mentioned address  ○ Yes  ○ No

Please send a passport size photograph in jpg format to securityprinters@intergraf.eu mentioning your name and company name in the subject line. Your photograph is necessary to proceed with your registration and should have a resolution of 300 dpi, measure 240x300 pixels and a maximum file size of 50kb. Participants in the last event do not need to send new photographs unless otherwise advised. All information and personal data collected will be used only for processing your registration and for the mailing of our free of charge newsletter InfoSecura and information material concerning the Intergraf activities. You can at all times contact Intergraf to consult your personal data, modify them or be removed from the database. By registering you explicitly agree that your contact details (address, tel., fax) will be communicated to the exhibitors and that your picture will be published in the participants list included in the Onsite document and Mobile App.

Participation fees

My company is member of a national printing federation affiliated to Intergraf and listed in this brochure on page 36.

Name of the affiliated national printing federation

<table>
<thead>
<tr>
<th>*Fees exclude 20% VAT</th>
<th>Member</th>
<th>Non-Member</th>
<th>Banknote Issuing Authorities, Ministries and Police Forces</th>
</tr>
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<tbody>
<tr>
<td>Up to 14/10/2013</td>
<td>○ EUR 990*</td>
<td>○ EUR 1,390*</td>
<td>○ EUR 890*</td>
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<td>From 15/10/2013 to 12/11/2013</td>
<td>○ EUR 1,190*</td>
<td>○ EUR 1,590*</td>
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</table>

Extras

I will be accompanied by (an accompanying person is neither participating in the Conference programme nor in the Exhibition)

First name and family name

Evening events for accompanying persons  ○ EUR 190*

Post-Conference Tour on 07/12/2013

Option 1: Spanish Horse Riding School performance & Schönbrunn Castle  ○ EUR 310*
Option 2: Albertina Museum & Schönbrunn Castle  ○ EUR 180*

Number of Persons:

Please send a passport size photograph of the accompanying person by e-mail in jpg format to securityprinters@intergraf.eu mentioning your name, your partner's name and company name in the subject line. The photograph is necessary to proceed with the registration. The photograph should have a resolution of 300 dpi, measure 240x300 pixels and a maximum file size of 50kb.
Registration

Payment

* Compulsory fields

* I will pay the above fees by

- Bank Transfer
- Credit Card
  - Visa
  - Mastercard
  - Amex

Credit Card Number
Expiry date
Credit Card Holder

I authorise Intergraf to charge my credit card with the fees for registration, the accompanying persons programme, the post-conference tour and the cancellation fee if applicable.

* Signature

For all participants having met the attendance criteria, registrations will be considered valid upon receipt of the registration form by Intergraf. All payments to Intergraf are to be made in EUR without deduction of any bank charges, either by bank transfer or by credit card (Visa, Mastercard, Amex). Intergraf’s bank details will be indicated on the invoice. A participant’s terms and conditions of purchase or other terms and conditions shall not apply to this registration. Delegates and exhibitors are entitled to a refund of the VAT charged to fees according to the Austrian Regulations. According to the 8th EU Directive on VAT, the payment of the charged VAT is compulsory. No participant will be granted access to the conference without prior payment of all fees.

Cancellation policy

Substitution of approved delegates of a same company may be made at any time. Cancellations made after 15/10/2013 will incur a charge of 25% of the total invoiced fees. Cancellations made after 28/10/2013 will incur a charge of 50% of the total invoiced fees. Cancellations made after 12/11/2013 and no-shows will incur a charge of 100% of the total invoiced fees.

Insurance

Registration fees do not include insurance of any kind. Participants carry their own risk for personal injury or loss of property, including baggage, during the conference. The organizers are in no way responsible for any claims concerning insurance.

The conference will be open only to security printers and their bona fide suppliers, banknote issuing authorities, government authorities, police forces and postal authorities. Intergraf reserves the right to refuse registration if it does not comply with the required criteria. Intergraf reserves the right to change the details of this event without notice. Amendments to the content or speakers may occasionally occur. Conference sessions will be in English only. Please note that in the case of force majeure Intergraf is relieved of all obligations. Force majeure includes any circumstance beyond the will of Intergraf, that impedes permanent or temporary compliance with the obligations, such as war, danger of war, revolts, strikes, shut-out of workers, transportation difficulties, fire, or severe disturbances affecting Intergraf or its suppliers. This agreement shall be governed by and construed in accordance with Austrian law and the parties irrevocably submit to the jurisdiction of the Austrian courts. I agree with all the above conditions and will comply with them.

* Signature
* Date
Trust is our business.

Creating Confidence. Across the globe, governments, central banks, and technology companies place their trust in our solutions. In close cooperation with our clients, we provide innovative products in the fields of banknote security, personal identification, telecommunications, and electronic transactions. For 160 years, we’ve been setting new standards for the world of tomorrow – today. www.gi-de.com
<table>
<thead>
<tr>
<th>C3</th>
<th>ABNOTE™</th>
</tr>
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<tbody>
<tr>
<td>K1</td>
<td>Advanced Track &amp; Trace</td>
</tr>
<tr>
<td>L4</td>
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<tr>
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<td>ANY Security Printing Company PLC</td>
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<tr>
<td>L7</td>
<td>API Holographics</td>
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<tr>
<td>J3 &amp; J4</td>
<td>ARJOWIGGINS SECURITY</td>
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<tr>
<td>D4</td>
<td>ART-Line Projekt GmbH</td>
</tr>
<tr>
<td>M4</td>
<td>ASK</td>
</tr>
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<td>K4</td>
<td>ATLANTIC ZEISER</td>
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<td>F2</td>
<td>Austria Card</td>
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<tr>
<td>I4</td>
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<td>C2</td>
<td>Bayer MaterialScience</td>
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<tr>
<td>F3 &amp; F4</td>
<td>Bundesdruckerei GmbH</td>
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<td>D5</td>
<td>C.T. LAY</td>
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<td>F5</td>
<td>centro grafico dg</td>
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<td>Computer Holography Centre Ltd</td>
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<td>CRANE Currency</td>
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<td>E3 &amp; E4</td>
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<td>Digital Identification Solutions Group</td>
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<td>M1</td>
<td>DILETTA ID-Systems</td>
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<tr>
<td>M7</td>
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<tr>
<td>G2</td>
<td>DIPA PAPERMILL</td>
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<td>B8 &amp; B9</td>
<td>DREWSEN SPEZIALPAPIERE</td>
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<td>Europol</td>
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<td>C4 &amp; C5</td>
<td>FABRIANO &amp; ARCONVERT</td>
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<td></td>
<td>&amp; FABRIANO SECURITIES</td>
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<td>A1</td>
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<td>FiberMark Red Bridge International Ltd.</td>
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<tr>
<td>L1 &amp; L2</td>
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<td>GET Group</td>
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<td>E5 &amp; E6</td>
<td>Giesecke &amp; Devrient</td>
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<td>HID Global GmbH</td>
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<td>C7</td>
<td>Holliston LLC</td>
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<td>J1, J2, J9 &amp; J10</td>
<td>HOLOGRAM.INDUSTRIES</td>
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<td>M8</td>
<td>HoloGrate, JSC</td>
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<td>K3</td>
<td>HONNORAT RECHERCHES &amp; SERVICES</td>
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<tr>
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<td>D3</td>
<td>IAI industrial systems</td>
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<td>K3</td>
<td>IN-CORE Systèmes</td>
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<td>INNOVIA SECURITY PTY LTD</td>
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<td>H3</td>
<td>INTERGRAF – ISO &amp; CWA Certification</td>
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<tr>
<td>H4</td>
<td>INTERPOL</td>
</tr>
<tr>
<td>F9</td>
<td>ISTITUTO POLIGRAFICO E ZECCA DELLO STATO</td>
</tr>
</tbody>
</table>
ENABLING TRUST

Every day, governments, companies and millions of people rely on us to protect the integrity and value of their currency, personal identity, products and brands. Contributing to the development of a world more secure for our citizens is our business purpose and the ultimate motivation of all our units and personnel.
Practicalities

**Registration**
Register online: [www.securityprinters.org](http://www.securityprinters.org)
Start: 15/06/2013
End: 12/11/2013
Register before 15/10/2013 & save EUR 200!

**Check-in for the Conference & Exhibition**
Intergraf welcome desk:
Tuesday 03/12/2013: 14:00-20:00 hrs
Wednesday, Thursday, Friday 04-06/12/2013: 08.00 onwards

Registered delegates are requested to check-in at the registration desk situated in the foyer of the conference centre. Subject to full payment of their registration fee, delegates will receive their access badge and the conference documents.

Intergraf staff will be available at the desk during the whole event and will be happy to provide any information you might need.

**Speakers’ room**
Speakers are encouraged to come to the speaker rehearsal room (Schubert 6) to test out their presentations:
Tuesday 03/12/2013 08.00 - 17.00
Wednesday 04/12/2013 08.00 - 17.00
Thursday 05/12/2013 08.00 - 17.00
Friday 06/12/2013 08.00 - 12.00

**Security & Badges**
To safeguard confidentiality throughout the event, the conference and exhibition areas will be accessible exclusively to delegates wearing the appropriate badge, which will be checked systematically upon entering the congress centre.

Delegates must wear their badge at all times during the Conference and the Exhibition and also during the social events. Accompanying persons need to wear their badge during all social events they attend.

Delegates’ and Partners’ badges will feature photographs. Upload your photo in jpg format during the online registration or send it to securityprinters@intergraf.eu

- 240x300 pixels
- Resolution 300 dpi
- Maximum size of 50kb
- You attended the last event – no need to send new photographs unless otherwise advised

**Conference proceedings**
The conference proceedings will be available in January 2014, in a restricted area on [www.securityprinters.org](http://www.securityprinters.org)
Orell Füssli Security Printing Ltd is worldwide the address for design, origination, and manufacture of high-quality banknotes. As manufacturers of the Swiss banknotes – currently considered the safest in the world – and of foreign denominations, we set the benchmark standard in this area. Our reputation for secure banknotes has been built up over many years. Orell Füssli Security Printing Ltd offers a full range of services from basic concept to design, security technology, production and life cycle management.
Mobile application

The 2013 Intergraf Mobile App is designed to help participants plan their event, interact with attendees and exhibitors, schedule meetings and be kept up-to-date with event news onsite.

Learn
• Speaker listings provide in-depth biographies, photos, and schedules.
• Detailed session descriptions, exhibition plan and exhibitors’ profiles make it easy to plan your day.
• Real-time event listings let you know what’s happening.
• Integrated feedback forms help you interact with the organisers and contribute to next year’s event.

Connect
• Access the private networking feature to contact other event participants and receive messages. This is a secure, participant-only network designed to encourage collaborations, discussions, and meetings before and during the event. Your contact details will not be disclosed.
• See who’s coming: browse the list of participants with photos.
• Find exhibitors and consult their profiles.

Personalise
• Customise and save your own personal event schedule.
• Take notes to share with your colleagues.
• Make your contact details available to other participants or decide to keep them hidden.

The application will be available exclusively to participants at the event and will have a password secured access. It is compatible for iPhone®, iPad®, Android®, Blackberry® and Mobile Web.

Registered attendees will receive their personal login and password by email a few weeks before the event and it will be indicated on the conference badge as well.
Conference & Exhibition

Conference
Turn to pages 5 to 11 to view the detailed programme
04/12/2013: from 09.00 to 13.00 hrs
05/12/2013: from 09.00 to 17.00 hrs
06/12/2013: from 09.00 to 13.00 hrs
All business sessions will be held in English only.

Exhibition
Turn to pages 16, 17 to view the list of exhibitors
04/12/2013: from 11.00 to 19.00 hrs
05/12/2013: from 08.30 to 18.00 hrs
06/12/2013: from 08.30 to 14.00 hrs

Networking events (Free for delegates. Please register your accompanying person.)

Tuesday, 03/12/2013: 19.00 – 20.30 hrs / Christmas Cocktail – Congress Centre
This will be the first occasion for delegates to meet and taste Viennese specialties in a ‘Christmas Market’ atmosphere. All conference participants and registered partners are welcome to join. Please present your badge to enter.

Wednesday, 04/12/2013: 17.00 – 18.00 hrs / Exhibition Aperitif – Exhibition
The afternoon will end with a cocktail reception in the exhibition hall. You will have the opportunity to discover the latest technologies in the security printing field in a more relaxed atmosphere.

Thursday, 05/12/2013: 19.00 – 23.00 hrs / Dinner Party – Hofburg Palace
Organised in the Hofburg Palace, this dinner party will give you the occasion to continue networking in a unique environment. The palace has housed some of the most powerful people in European and Austrian history, including the Habsburg dynasty, rulers of the Austro-Hungarian Empire. Bus transport will be organised from all conference hotels at 19.00 hrs.
Post-conference tour – Saturday 07/12
Comfortable shoes are recommended

09.00 – 17.00 hrs (by bus leaving from the conference hotels)
The post conference tour has this year two options for the morning programme whereas the afternoon will be the same for the entire group.

09.00-12.30 hrs
Option 1: Horse riding performance  The Spanish Riding School in Vienna is the only institution in the world which has practiced for over 440 years and continues to cultivate classical equitation in the Renaissance tradition of the haute école.
The objective of classical equitation is to study the way the horse naturally moves and to cultivate the highest levels of haute école elegance the horse is capable of through systematic training. The result creates an unparalleled harmony between rider and horse, as only Vienna’s Spanish Riding School achieves.
The School takes the “Spanish” part of its name from the horses which originated from the Iberian Peninsula during the 16th century and which were considered especially noble, spirited and suited for the art of classical horsemanship. Today’s Lipizzaner stallions are the descendants of this proud Spanish breed, a cross between Spanish, Arabian and Berber horses.

Option 2: Visit of the Albertina Museum  The Albertina is the largest Habsburg residential palace. It blends an imperial flair with unrivalled masterpieces of art. The historical setting of this internationally acclaimed modern museum makes a visit to the Albertina an unforgettable experience. The city’s largest residential Habsburg palace boasts 21 beautifully furnished staterooms, making it one of the most exquisite classical palaces in the whole of Europe.
Since it reopened in 2003, the Albertina has presented an impressive number of exhibitions, showing foremost works of art dating from the 15th century to the present day. With its special “Albrecht Dürer”, “Picasso” and “Van Gogh” exhibitions, the Albertina has drawn a record number of visitors during the past few years. The Albertina is one of Austria’s most popular museums, making it a major attraction for city visitors and cultural travellers from all over the world.

13.00-14.30 Lunch time
Participants will have the occasion to taste traditional Viennese cuisine at Griechenbeisl, one of Vienna’s oldest inns. Artists, scholars and politicians would congregate in the Griechenbeisl to eat, drink, debate and reflect. Personalities like Beethoven, Schubert, Marc Twain, Grillparzer and Nestroy have all appreciated its cuisine.

14.30-17.00 hrs
Visit of Schönbrunn Palace & the Christmas Market  At the end of the 17th century Emperor Leopold I commissioned the gifted Baroque architect Bernhard Fischer von Erlach to build a palatial hunting lodge for the heir to the throne. On the site of the old imperial château de plaisance a splendid edifice was to arise. Half a century later under Maria Theresa Schönbrunn Palace was to become the magnificent focus of court life. From that time onwards it played host to the leading statesmen of Europe.

Only 40 places available for each option.
Book your tour in time!
The Security Printing Alliance (SPA)

In 2007 Jura JSP, OeBS and PARVIS, companies with experience in banknote and security printing, formed an alliance to establish a close partnership in R&D.

The Alliance is committed to providing high quality products and services to customers in the international high-security market.

Visit us at booths C8+C9

2013 Security Printers - International Conference and Exhibition Vienna, Austria – December 4th to 6th
Security Printing Alliance

JURA
BUDAPEST·WIEN·BANGKOK
JURA JSP GmbH.
Gebhardtgasse 13.
A-1190 Wien
Austria
www.jura.at

Österreichische Banknoten- und
Sicherheitsdruck GmbH.
Garnisongasse 15.
A-1096 Wien POB 79
Austria
www.oebv.at

PARVIS Systems and Services S.r.l.
Via Clemente Prudenzio, 16
20138 Milano (MI)
Italy
www.parvis.it

Visit us at booths C8–C9

2013 Security Printers - International Conference and Exhibition
Vienna, Austria – December 4th to 6th
STAYING AHEAD MEANS WE ARE RIGHT BEHIND YOU

We are a world leader in authentication and identity solutions and we are committed to meeting the global counterfeiting challenges facing governments and business today.

It’s our knowledge, experience and in-depth capability that has brought greater protection to millions of people globally.

Payne Security benefits from being part of Eltronics PLC, a UK-based FTSE 250 company reaching out to all regions of the world.

Come and see us at Integral 2013.
Conference hotels

Preferential rates have been negotiated in 4 hotels in Vienna. Rates include buffet breakfast, taxes and service. To benefit from these rates, book your room through MCI, partner of Intergraf for accommodation management. Whenever possible, MCI will give delegates the hotel of their choice but will have to operate on a “first come, first served” basis. Once a hotel is fully booked, accommodation will be offered as available in a similar hotel category.

Book your room on http://www.securityprinters.org/hotels.html
or contact MCI by email: INTERGRAF2013@mci-group.com
or by phone: +32 2 740 22 20

Cancellation Policy
Conference hotels in Vienna do not accept any reservation without receiving the credit card details of the guest. In case of cancellation, the following policy will be applied by the hotel:
Cancellation between 02/09/2013 and 01/10/2013: 1 night will be charged.
Cancellation between 02/10/2013 and 17/11/2013: 2 nights will be charged.
Cancellation between 18/11/2013 and 25/11/2013: 3 nights will be charged.
Cancellation after 25/11/2013 and no-shows: 100% of the reserved room-nights will be charged.

Next to Messe Wien

Courtyard by Marriott Messe Wien ****
The Courtyard by Marriott Messe Wien Hotel is located next to the subway U2, 10 minutes from the city centre & St. Stephen’s cathedral. It is the closest hotel to Messe Wien where the conference takes place. The hotel features a fitness centre, a panorama sauna, steam bath, solarium, and a relaxation room. The bedrooms offer flat screen TV, AC, W-Lan, internet access, tea and coffee facilities.

<table>
<thead>
<tr>
<th></th>
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</table>

2013 Security Printers
International Conference and Exhibition
INNOVATIONS IN SECURITY
IDENTITY SOLUTIONS, SWISS MADE

Secure documents in polycarbonate
Passport datapage
Identity card
Residence permit
Crew member certificate
Driving licence
Tachograph cards

www.trub.ch
Conference hotels

City centre area

Le Meridien Wien *****
Le Meridien Hotel is a modern European lifestyle, but typically Viennese hotel, located in the 1st district of Vienna. Each room is well-spaced, equipped with high-end technology from wireless LAN and High Speed Internet access to one or more plasma TV’s. The hotel features a wellness area with an indoor lap pool, a steam bath, a sauna, a jacuzzi in a relaxed environment.

<table>
<thead>
<tr>
<th>STANDARD ROOM</th>
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The Luxury Collection Hotel Imperial Vienna *****
Centrally situated in the heart of the city next to the Musikverein, the Imperial is the solitaire jewel of the Ring Strasse Boulevard and since 1873 temporary residence for composers, artists and connoisseurs. The hotel gained renown around the world as a byword for discretion and impeccable service. The State Opera, Konzerthaus, St. Stephen’s Cathedral, as well as all renowned museums and sites are only some minutes from the hotel. Equally accessible is Vienna’s most elegant shopping area. The hotel offers gym and sauna services and all rooms include high speed internet access, marble bathroom, shower and bath tub, sitting area and 24-hours room service.

<table>
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<tr>
<td>EUR 290</td>
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</table>

The Luxury Collection Hotel Bristol *****
Famous as a symbol of Viennese elegance, Hotel Bristol is located directly opposite the State Opera. It is just a short walk from the renowned Kärntner Straße shopping boulevard. The Karlsplatz Underground Station is right outside. Opened in 1892, the Bristol has been a meeting point of the city’s rich cultural and business life for over a century. Precious fin-de-siècle antiques blend harmoniously with the latest technology. The spacious and elegant rooms feature very comfortable beds, precious antiques and paintings, high-speed internet access, marble bathroom and 24-hour room service. Hotel Bristol features a fitness centre with a breathtaking view, a gourmet restaurant and bar.

<table>
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<tr>
<th>CLASSIC ROOM</th>
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<td>EUR 320</td>
</tr>
</tbody>
</table>

All city hotels are located next to the station Karlsplatz with direct metro to Messe Wien (U2 line, 7 stops, 11 minutes).
Your Partner in the Production of Security Documents

KBA-NotaSys serves the global security print industry with a full range of innovative products and services for the design and production of banknotes and security documents. We combine technology and expertise to guarantee the integrity of these documents today and tomorrow.

Please visit us at Booth C6
Destination Vienna

Vienna is situated in the North-East of Austria and lies on the banks of the majestic Danube River. Surrounded by the natural beauty of the Wachau region, the Vienna woods (‘Wiener Wald’) and with numerous green expanses and parks Vienna is an exceptionally agreeable city. Apart from being regarded as the City of Music because of its musical legacy, Vienna is also said to be “The City of Dreams” because it was home to the world’s first psycho-analyst – Sigmund Freud. The city’s roots lie in early Celtic and Roman settlements that transformed into a Medieval and Baroque city, the capital of the Austro-Hungarian Empire. It is well known for playing an essential role as a leading European Music Centre, from the great age of Viennese Classicism through the early part of the 20th century. Few cities in the world glide so effortlessly between the present and the past like Vienna. Its splendid historical face is easily recognised: grand imperial palaces and bombastic baroque interiors, museums flanking magnificent squares and, above all, the Hofburg – where the Habsburg rulers lived, loved and married into empires. There are many reasons to visit Vienna – the city is world famous for its imperial heritage but also for the first-rate musical and cultural attractions at its concert halls, museums and theatres – from the Golden Hall of the Musikverein to the acclaimed Museum of Fine Arts and the State Opera House. Vienna is also a byword for epicurean enjoyment, with centuries of traditions shaping its coffee houses and Heuriger wine taverns.

How to reach Vienna

By Plane
Vienna lies at the heart of Europe. The Schwechat Airport is located outside the city limits and offers ideal connections to the rest of the world.

From the airport to the city center
Vienna International Airport is about 16km east of Vienna in Schwechat. The city centre can be reached quickly and in comfort by public transport:
- City Airport Train CAT
- Express train S7
- Airport buses of the Vienna Airport Line (City Centre, Westbahnhof – Vienna Meidling station, Kaisermühlen Vienna International Centre VIC - Kagran)

By Train
Austrian Federal Railways (ÖBB) offer a well developed railway network and modern trains that take you to Vienna.

More information on www.oebb.at

By car
You will have a safe journey to Vienna by car on Austrian's excellent network of motorways, expressways and federal highways.
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Visit us at booth M2 & M3
Map & useful addresses

Messe Wien Exhibition & Congress Centre
Messeplatz 1 – 1021 Vienna
Phone: +43 1 727 20 0 – Fax: +43 1 727 20 4709 – info@messe.at

A. Courtyard by Marriott Wien Messe ****
Trabrennstrasse 4 – 1020 Vienna
Phone: +43 1 727 30 – Fax: +43 1 727 30 350 – www.courtyard-wien-messe.at

B. Le Meridien Wien *****
Opernring 13-15 – 1010 Vienna
Phone: +43 1 588 90 0 – Fax: +43 1 588 90 9090 – www.lemeridienvienna.com/en

C. Hotel Bristol *****
Kärntner Ring 1 – 1010 Vienna
Phone: +43 1 515 160 – Fax: +43 1 515 16 550 – www.bristolvienna.com

D. Hotel Imperial *****
Kärntner Ring 16 – 1015 Vienna
Phone: +43 1 501 100 – Fax: +43 1 501 10 410 – www.imperialvienna.com

E. Hofburg Palace
Heldenplatz – 1010 Vienna – www.hofburg-wien.at
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Intergraf has organised 25 International Security Printers Conferences, the last one in October 2012 in Bordeaux, France. In the 36 years since the first conference was held in Milan, Italy, the event has become the largest and most important gathering for the security printing industry in Europe and one of the most significant ones in the world. The Bordeaux conference attracted a good showing of representatives from Central Banks, Issuing Authorities and Police Forces. There were 56 representatives of Central Banks from 28 countries, – 4 from Latin America, 9 from the Middle East and Asia, 3 from Africa, and 12 from Europe. There were 51 representatives of 32 Ministries and Police Forces from 16 countries, representing also – but not only – the ID side and ID issuing authorities. Very specialised interests were served by a separate workshop on breeder documents, co-chaired by Martin Naber, the representative of the Dutch police force and of Interpol on the Committee of Experts that is responsible for the content of the conference.

Manfred Goretzki
Editor Infosecura

Facts & Figures
> 960 participants from central banks, ministries, police forces, security printers and suppliers
> 69 countries
> 100 exhibiting companies

WHAT SOME OF YOU SAY
“A very valuable conference in security documents, one of the best in the world.”
“A great event for networking and learning about new features and products.”
“A perfect platform to meet the main players in the security business.”
Only companies which are members of one of the following national federations will be granted the member fee for the conference.
Inside

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