

23-25/10/2019

# SecurityPrinters

## Banknotes+Identity

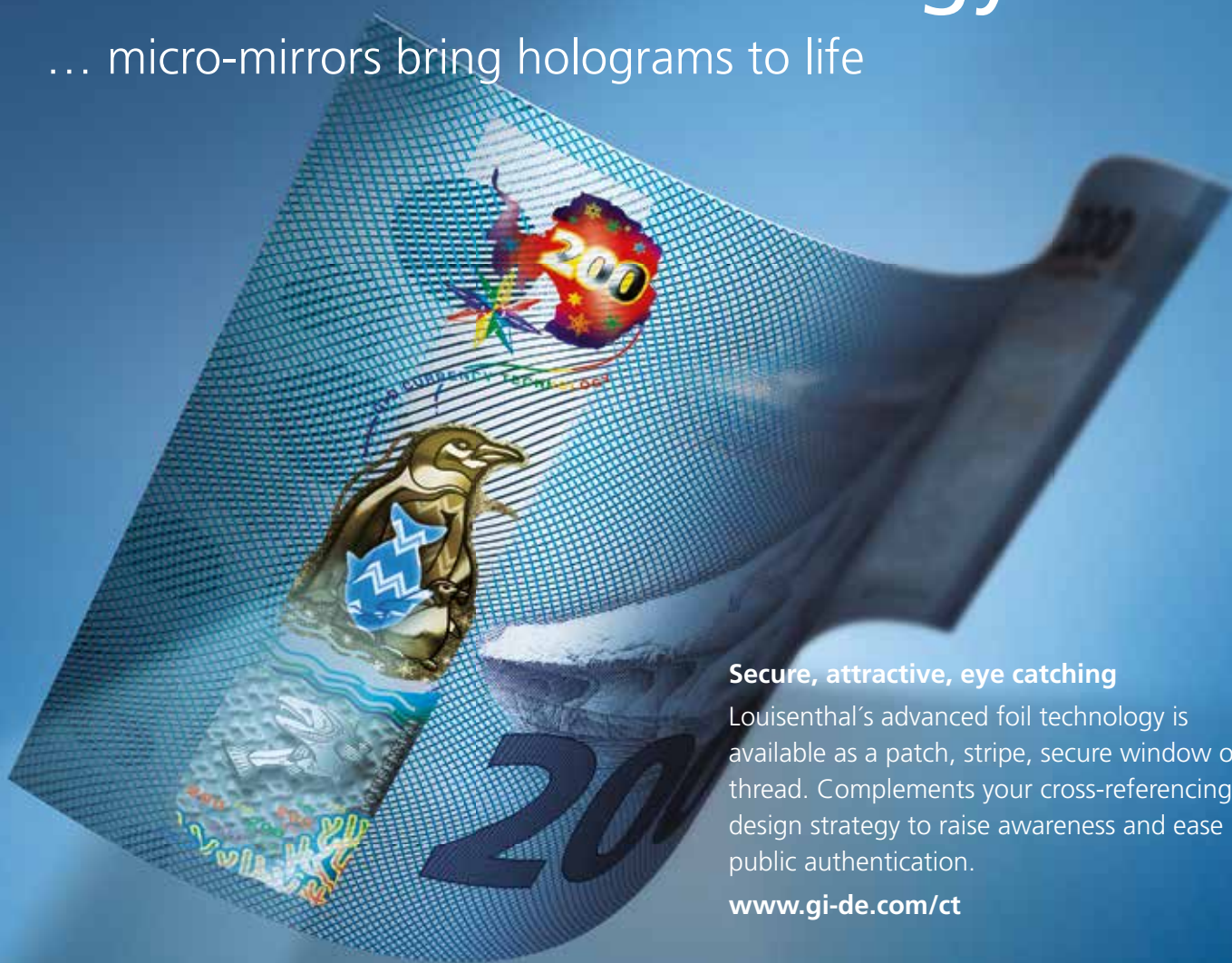
INTERGRAF

INVITATION  
DENMARK COPEN  
HAGEN



# The New Paradigm in Secure Foil Technology

... micro-mirrors bring holograms to life



## Secure, attractive, eye catching

Louisenthal's advanced foil technology is available as a patch, stripe, secure window or thread. Complements your cross-referencing design strategy to raise awareness and ease public authentication.

[www.gi-de.com/ct](http://www.gi-de.com/ct)



G+D  
Currency Technology

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# WHY SECURITY PRINTERS?

1

## GLOBAL EVENT

- > One independently funded, non-profit platform for the rapidly changing security printing industry.
- > Designed to bring together the right people, to broaden opportunities and do business.
- > The perfect setting to strengthen existing contacts around the globe, establish new ones, and develop productive partnerships.



2019 SecurityPrinters

# 2

## BANKNOTES+ IDENTITY

- > Parallel Banknotes+Identity sessions for deeper technical content, more hands-on learning and practical takeaways.
- > Engaging experts pushing the boundaries of both industries with their ideas and innovations.
- > No commercial or sponsored talks: pragmatic, real-world insights delivered by speakers chosen for their expertise.
- > Join the discussion! You can't help but learn something new.

# 3

## DAYS

- > It's not just the talks and latest technologies, it's the people.
- > SecurityPrinters is where the Banknotes+Identity industry comes together.
- > Selected attendees from governments, central banks, law enforcement, security printers and suppliers, and postal authorities.
- > Get everyone connected and the networking possibilities are endless.



# WELCOME

Dear friends and colleagues,

SecurityPrinters was launched to connect solution providers with institutional end users. With change happening at a pace we have never seen before, its mission, essentially unchanged for four decades, is more relevant than ever.

Since its creation, SecurityPrinters has focused on two interlinked areas: Banknotes+Identity - to provide an empowering environment for decision makers across central banks, government issuing authorities, law enforcement, printers and suppliers. It is not just where we showcase our latest thinking, initiatives and solutions. It is where we discuss the problems of today, and where we pilot new ideas for the future.

Independence is key to sparking such critical conversations. It has always been a cornerstone of SecurityPrinters. And it remains so today. Unlike just about all other events in the field, our agenda is free from commercial bias. Our speaker selection is not influenced by sponsors.

Judging from the feedback and involvement of the 900+ experts from all walks of the Banknotes+Identity industry who attended the last edition in Dublin, it is clear that this matters. For the 360+ organisations they represented globally, including 110 that capitalised on the opportunity to network in their own exhibition booths, SecurityPrinters provides a truly neutral platform to develop the vision, skills and mindsets needed to enable their projects and businesses to thrive.

It is my pleasure to personally invite you to join us in Copenhagen on 23-25 October 2019. Once again, parallel Banknotes+Identity sessions will offer new perspectives on changing trends, emerging technologies and best practices. To bring you what is to come through the most inspiring voices in both sectors; for focus, depth of content and better learning outcomes. And with new products and solutions on show across 100 exhibition booths, you will no doubt leave with plenty to explore back home.

Well connected, the Danish capital once again topped the World Bank's survey for ease of doing business in Europe in 2019. It will be a privilege to welcome you there, to inspire action towards your own future goals.



**Dieter Sauter**

*Chairman of Intergraf's Committee of Experts*

## INTERGRAF'S COMMITTEE OF EXPERTS

**Dieter Sauter**  
*Bundesdruckerei,  
Germany - Chairman*

**Tony Dean**  
*Intergraf,  
United Kingdom*

**Emmanuel Devaux**  
*Banque de France,  
France*

**Georg Hasse**  
*secunet Security  
Network, Germany*

**Beatrice Klose**  
*Intergraf, Belgium*

**Bernd Kümmerle**  
*G+D Currency  
Technology, Germany*

**Tony Poole**  
*Document Security Alliance,  
United States of America*

**Claudia Schwendimann**  
*Österreichische  
Staatsdruckerei, Austria*



**Alberto Sánchez Bermejo**  
*Fábrica Nacional de  
Moneda y Timbre -  
Real Casa de la Moneda,  
Spain*

**Uwe Seidel**  
*Federal Criminal Police  
Office, Germany*

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

# AGENDA @ A GLANCE

TUESDAY 22/10/2019	WEDNESDAY 23/10/2019	THURSDAY 24/10/2019	FRIDAY 25/10/2019
<div>WORKSHOP ISO 14298 + CWA 15374</div> <div>BANKNOTES HIGH MEETING</div> <div>IDENTITY HIGH MEETING</div> <div>Welcome cocktail</div>	<div>PLENARY Banknotes and IDs: combating crime in a digital world</div> <div>Exhibition aperitif</div>	<div>SESSION 1 Banknotes: there's an app for that!</div> <div>SESSION 2 Help! My country's ID document has been compromised</div> <div>SESSION 3 Enhancing the security ecosystem</div> <div>SESSION 4 Identification beyond documents</div> <div>SESSION 5 Going digital: risks and opportunities</div> <div>SESSION 6 From cradle to grave</div> <div>SESSION 7 Innovative technologies in new banknote series</div> <div>SESSION 8 Innovation and interoperability</div> <div>Dinner party</div>	<div>SESSION 9 Cash cycle: the infrastructure of the future</div> <div>SESSION 10 What's in your face?</div> <div>PANEL The impact of changing ownership structures on the banknote supply chain</div> <div>PANEL Crossing borders and boundaries</div>

-  Banknotes
-  Identity
-  Exhibition
-  For certified companies only

**PLENARY**  
**BANKNOTES**  
**AND IDs:**  
**COMBATING**  
**CRIME IN A**  
**DIGITAL WORLD**

CHAIR  
**Stephen**  
**LeBlanc**  
Managing  
Director, Security  
and Intelligent  
Documents (SID),  
U.S. Government  
Publishing Office,  
United States of  
America

09.30-09.40	OPENING
09.40-10.10	<b>THE MANY FUTURES OF IDENTITY AND MONEY</b> Our identity and our money are the cornerstones of life in the 21 <sup>st</sup> century and the digital domain is transforming our notions of both. On the one hand technologies such as blockchain and AI are enabling both identity and money to be moved into the digital realm and turned from passive objects into programmable tokens which can develop lives of their own. On the other, sensors, edge computing, and biometrics are enabling us to transfer digital functionality into the physical domain giving a potentially new lease of life to passports, money, and previously mono-functional physical objects. Look a little further ahead, and breakthroughs in brainprinting, biology, DNA storage, and biological computation open up whole new realms of possibility for how we might manage identity, store our financial assets, and conduct value exchange. In this fast paced session, global futurist Rohit Talwar will take us on a tour of the trends, developments, ideas that could shape the future of identity and money and explore the possible scenarios that could emerge. > <b>Rohit Talwar</b> – Global Futurist, CEO, Fast Future Research, United Kingdom
10.10-10.25	Q&A
10.25	EXHIBITION OPENS
10.25-11.00	COFFEE BREAK
11.00-11.20	<b>AUGMENTING THE REALITY OF SECURITY FOR THE 21<sup>ST</sup> CENTURY</b> What is augmented reality and how can it help authorities? What about AI and biometrics? How can we exploit these technologies and integrate them into our current identity verification solutions? We will explore these topics and discuss what we should be doing with them. > <b>Richard Lewington FRSA</b> – Project Manager, Plain Concepts & Examiner & Invigilator, Cambridge Assessment, Spain
11.20-11.40	<b>BANKNOTE SECURITY FEATURES - A FORENSIC PERSPECTIVE</b> This presentation will discuss the public security features present in U.S. banknotes and the techniques that counterfeiters are using to simulate/counterfeit these features. > <b>Amanda Moffett</b> – Document Analyst, Criminal Investigative Division (CID) - Counterfeit Forensic Section, United States of America
11.40-12.00	<b>ADVANCES IN COMMERCIAL DIGITAL PRINT TECHNOLOGY AND THE IMPLICATIONS FOR SECURITY PRINTERS</b> This paper considers recent advances in commercial digital print technology and explores ways to keep security documents protected in our increasingly digital world. Counterfeiters no longer need to have expertise in the printing industry to produce security documents that are remarkably deceptive. > <b>Kerre Corbin</b> – Counterfeit Analyst, De La Rue, United Kingdom



## WEDNESDAY

12.00-12.15 Q&A  
12.15-13.45 LUNCH

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13.45-14.05 **IDENTITY MANAGEMENT CHALLENGES IN 21<sup>ST</sup> CENTURY AFRICA**  
This paper will describe the Nigerian identity management experience and review the challenges faced by the Federal Government of Nigeria to provide simple, yet secure digital identities without the need for expensive documents.  
> **Tunji Durodola** – Technical Consultant/Sr. Systems Integrator, National Identity Management Commission (NIMC), Nigeria

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14.05-14.25 **WHY CHOOSE THE ISO 14298 CERTIFICATION? A CUSTOMER'S POINT OF VIEW**  
De La Rue has chosen to adopt a baseline security management system to attain a 'gold' standard within its holistic security environment. The presentation describes the benefits of Intergraf's certification and how it delivers a more robust, practical and cost-effective security system for the organisation, and enhanced customer satisfaction and confidence.  
> **Mike Lycett** – Group Head of Security and Risk, De La Rue, United Kingdom

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14.25-14.45 **A JOURNEY THROUGH 500 YEARS OF INNOVATION**  
Founded in 1519, Orell Füssli celebrates this year its 500<sup>th</sup> anniversary. Our commemorative note will be unveiled during this presentation. Printed on three different types of substrate (Cotton, Durasafe® and Guardian™), its modern design takes the most of each substrate's characteristics and integrates harmoniously some of the best security features currently available.  
> **Sylvain Chosson** – Head of R&D, Orell Füssli Security Printing, Switzerland  
> **Michael Kasch** – Managing Director, Orell Füssli Security Printing, Switzerland

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14.45-15.00 **THE WORLD BANKNOTE PROJECT INITIATIVE: HOW THE DESIGNERS IMAGINE WHAT THE FUTURE WILL LOOK LIKE**  
Never before has banknote design had such an important role to play in defining the position occupied by cash in this new multi-payment economy. This must be everyone's highest priority and to survive and succeed in this new payments landscape we must put aside our competitive tendencies and learn to work together in a way we have never done before.  
> **Mark Stevenson** – President, International Banknote Designers Association (IBDA), Switzerland

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15.00-15.15 Q&A

## SESSION 1

### BANKNOTES: THERE'S AN APP FOR THAT!

09.30-09.50

#### DIGITAL MARKETING OF NEW BANKNOTE SERIES WITH SMARTPHONE APPS

More and more central banks are using smartphone apps to present and explain their new banknote series and security features to the public. The presentation will trace the evolution of those 'currency apps' from simple 'textbook layouts' to interactive tools using 'eye-catching' augmented reality animations and gaming features.

> **Hans Heusmann** – Director Business Development, Digital Applications, G+D Currency Technology, Germany

09.50-10.10

#### NEW BANKNOTE APP WITH VIRTUAL REALITY FEATURES

> **Mercy Kumbatira** – Director of Banking and Currency Management, Reserve Bank of Malawi, Malawi – *Invited*

10.10-10.30

#### BANK OF RUSSIA BANKNOTES APP

In June 2018, the Bank of Russia released the Bank of Russia Banknotes mobile application, available for download from major app stores worldwide. The presentation will explore the reasons behind its launch, its functionalities, the outcomes of mobile app usage after a year, and possible directions for future development.

> **Tatiana Aleksandrova** – Head of Banknotes & Counterfeit Deterrence Division, Cash Circulation Department, Bank of Russia, Russia

10.30-10.45

Q&A

10.45-11.15

COFFEE BREAK

## SESSION 3

### ENHANCING THE SECURITY ECOSYSTEM

CHAIR

Erick

Lacourrège

CEO Banknotes  
Division, Banque  
de France, France

11.15-11.35

#### THE PRODUCT ENVIRONMENTAL FOOTPRINT OF SECURITY DOCUMENTS

The European Central Bank, an environmentally conscious institution, will repeat a full assessment of the environmental impact of euro banknotes using the newly developed Product Environmental Footprint (PEF) method, with the support of the Commission. An experience that might be of interest to central banks and to producers or issuers of security documents alike.

> **Antonio Arrieta** – Principal Production Expert, Currency Management Division, European Central Bank, Germany

> **An De Schryver** – Policy Officer, European Commission, DG ENV B1 Sustainable Production, Products & Consumption, Belgium

11.35-11.55

#### RESPONDING TO THE CURRENCY AND TRAVEL DOCUMENTS COUNTERFEITING THREAT

INTERPOL's Project S-Print aims to prevent proliferation of industrially produced counterfeit components for currencies and other security documents. With an apparent increase in unscrupulous manufacturing companies offering security features suitable for counterfeiting of banknotes, passports, and other security documents, INTERPOL initiates a renewed and broad international effort to address this matter.

> **Malik Alibegovic** – Forensic Analyst, INTERPOL Lyon, France

11.55-12.15

#### CHEMICAL ANALYSIS ADDS VALUES TO BANKNOTE LIFECYCLE MANAGEMENT

From raw materials through the formulated ink and final printed document to the mutilated banknote, chemical analysis offers insights into health and safety implications and product performance.

> **Benjamin Debrus** – Senior Chemist, SICPA SA, Switzerland

> **Ünige A. Laskay** – Senior Chemist, SICPA SA, Switzerland

12.15-12.30

Q&A

12.30-14.00

LUNCH

## THURSDAY MORNING PARALLEL SESSIONS

### SESSION 2 HELP! MY COUNTRY'S ID DOCUMENT HAS BEEN COMPROMISED

09.30-09.50

#### STATE OF PLAY IN MACHINE-ASSISTED ID DOCUMENT AUTHENTICATION

How well does automated document authentication really work? Recent studies have yielded interesting and astonishing results. In addition to practice-relevant hints for the usage and configuration of such systems, this presentation will give an overview of the necessary steps to be taken to achieve improved ID document checks.

- > **Markus Clabian** – Head of Business Unit, High-Performance Image Processing, Austrian Institute of Technology (AIT), Austria
- > **Franz Daubner** – Research Engineer & Project Manager, Austrian Institute of Technology (AIT), Austria

CHAIR  
**Silvia  
Kolligs-Tuffery**  
Team Leader  
Document  
Security,  
European  
Commission,  
Belgium

09.50-10.10

#### TRENDS IN SECURE DESIGN

Government requirements for secure document design have evolved over the last decade to follow trends in security features development and to keep up with technologies available to fraudsters to attack documents. This presentation will show how the boundaries of design and industrialisation are being stretched to test the limits of these technologies and therefore make the work of counterfeiters more complex and challenging.

- > **Toni Kaskiala** – Head of Security Design Department, Government Business Unit, Gemalto Oy, Finland

10.10-10.30

#### ESTONIAN ID-CARD SECURITY FLAW

In the autumn of 2017, Estonia successfully solved a security vulnerability that affected approximately 800,000 ID-card users. The key to success was remote renewal, open risk management, and close public private cooperation between the government institutions and e-service providers.

- > **Kaija Kirch** – Adviser-Expert, Development Department, Estonian Police and Border Guard Board, Estonia

10.30-10.45

Q&A

10.45-11.15

COFFEE BREAK

### SESSION 4 IDENTIFICATION BEYOND DOCUMENTS

11.15-11.35

#### DIGITAL TRAVEL CREDENTIALS: THE NEXT GENERATION OF ePASSPORTS

Using the ePassport as a benchmark, ICAO is developing technical specifications and international policy for a digital representation of an ePassport. The Digital Travel Credential can be used to facilitate a seamless traveller experience while still offering a secure, portable, verifiable and unclonable token.

- > **Louise Cole** – Manager Information Partnerships, Department of Internal Affairs, New Zealand

CHAIR  
**R. Michael Holly**  
Senior Advisor  
for International  
Affairs,  
Department of  
State, Bureau of  
Consular Affaires,  
Passport  
Services,  
United States  
of America

11.35-11.55

#### DIGITAL IDENTITY IN ARGENTINA

A brief description of the path to the digitalisation of identity, from manual paperwork to the identity APIs of the government, exposed to the public and private sectors.

- > **Flavio Ramon Brocca** – General Director of Information Technology, Ministry of the Interior, Argentina

11.55-12.15

#### BLOCKCHAIN AND ITS POTENTIAL IMPACT ON SECURE IDENTIFICATION

Use-case based analysis on suitability of technologies like blockchain, smartcontract etc. for secure identification. Some future outlook of blockchain 2.0.

- > **Ji Zheng** – Marketing Manager, Infineon Technologies, Germany

12.15-12.30

Q&A

12.30-14.00

LUNCH

## SESSION 5

### GOING DIGITAL: RISKS AND OPPORTUNITIES

14.00-14.20

#### ISSUING A CBDC? POSSIBLE MOTIVES AND MODALITIES

Why would a central bank wish to issue a central bank digital currency (CBDC)? I will review the main reasons, distinguishing between demand and supply-related factors, and will detail the various forms a CBDC could take. All views expressed are mine and do not necessarily reflect those of the Banque de France or the Eurosystem.

> **Christian Pfister** – Advisor to the Governor, Banque de France, France

14.20-14.40

#### HOW TO TAKE DOWN A DARK WEB MARKET

Criminals use the dark web to their advantage. What can we do to stay up front with this? An insight in the phenomenon, the use of virtual currencies and insight in how the Dutch National Police envisions crime fighting on the Dark web.

> **Nan van de Coevering** – Team Leader, Cyber Enabled Team, Dutch National Police, National Crime Squad, The Netherlands – *Invited*

14.40-15.00

#### CENTRAL BANK DIGITAL CURRENCY – JUSTIFICATIONS AND IMPLICATIONS FROM A CENTRAL BANK'S VIEW

The presentation will discuss reasons for considering CBDC, focusing on the situation in Norway, and key factors that the central bank must take into account.

> **Leif Veggum** – Director, Cashier's Department, Central Bank of Norway, Norway

15.00-15.15

Q&A

15.15-15.45

COFFEE BREAK

## SESSION 7

### INNOVATIVE TECHNOLOGIES IN NEW BANKNOTE SERIES

15.45-16.05

#### NEW ARMENIAN BANKNOTES AND A NEW EDUCATIONAL SMARTPHONE APP

This paper will look into the making of a new generation of Armenian banknotes, from the design phase to the choice of substrate and security features, and will then outline the structure of the accompanying mobile apps developed for both Android and iOS platforms.

> **Nune Teryan** – Head of Currency Issue Division, Money Circulation Department, Central Bank of Armenia, Armenia

16.05-16.25

#### INNOVATING WHILE REDUCING THE DEVELOPMENT TIME OF A NEW BANKNOTE

The initial demand for a higher denomination banknote quickly revealed the need for a whole new banknote family. Modern design tools, combined with both traditional and innovative security measures, allowed us to achieve that objective in record time.

> **Myriam Fernández** – Manager of Strategic Treasury Planning, Central Bank of Argentina (BCRA), Argentina

16.25-16.45

#### EXPERIENCE WITH EVERFIT®

> Banky Foiben'I Madagasikara, Madagascar – *Invited*

16.45-17.05

#### ASPECTS OF THE BANKNOTE CONTRIBUTING TO THE ECONOMIC AND SOCIAL COHERENCE OF SOCIETY

Cash is fighting for its rightful position, competing with alternative means of payment. This presentation will demonstrate how it contributes to the national economy and social coherence of a prospering society, and why its function as a means of payment makes creating and producing cash a continuously dynamic process for all involved.

> **Johannes Schaede** – Technical Director, KBA-NotaSys, Switzerland

17.05-17.20

Q&A



## THURSDAY AFTERNOON PARALLEL SESSIONS

### SESSION 6 FROM CRADLE TO GRAVE

14.00-14.20	<b>DIFFERENCES IN IDENTITY DEFINITION IN AFRICA AND EUROPE</b> African governments purchase (unsuited) European-inspired identity and eGovernance tools to achieve the objective of identifying and administering governance to their citizens. This presentation will explain the main differences in the African identification process vis-à-vis European ID management models, and how western technology can be bridged to address such challenges. > <b>Charles Kwabena Boakye</b> – Identity Management Expert, Ghana
14.20-14.40	<b>HOW DO I KNOW THIS IS REALLY YOU? – WEAK LINKS IN THE IDENTITY CHAIN</b> This presentation will address significant challenges and difficulties within the identity chain, i.e. from registration to documentation to verification of identity, and will provide ideas for potential solutions and recommendations to address these. > <b>Christian Weigand</b> – Specialist Document Examiner, Federal Criminal Police Office, Germany
14.40-15.00	<b>SHARING AND AUTHENTICATING IN LATIN AMERICA</b> This presentation throws light on Latin American cases where ID information is shared among different institutions for authentication purposes and explains how technology is being used to do so without that information being compromised or regulations being breached. > <b>Ike Vander Horst</b> – Operations Director, Thomas Greg & Sons de Mexico, Mexico
15.00-15.15	Q&A
15.15-15.45	COFFEE BREAK

### SESSION 8 INNOVATION AND INTEROPERABILITY

CHAIR  
**Tom Kinneging**  
Convenor  
ISO/IEC JTC1  
SC17 Working  
Group 3,  
The Netherlands

15.45-16.05	<b>ePASSPORT VALIDATION: A PRACTICAL EXPERIENCE</b> The chip in the ePassport was intended to serve as an additional security feature. The increased trust was quickly recognised and adoption of ePassports has exceeded all expectations. However, has the experience at the border matched the expectation? This presentation highlights the practical issues faced in validating ePassports at the border. > <b>R Rajeshkumar</b> – Chief Executive, Auctorizium, Singapore
16.05-16.25	<b>INVESTIGATING THE IMPACT OF PRINTING TECHNIQUE AND SUBSTRATE ON THE OCR QUALITY OF ID DOCUMENTS</b> The OCR quality of ID cards and passports from all over the world was scrutinised using the world's only reference implementation of ISO/IEC 30116 - the latest standard for MRZ testing. An overview of the outcomes will be presented. > <b>Johannes Bartl</b> – Scientist, Fogra Research Institute for Media Technologies, Germany
16.25-16.45	<b>HUMAN VS. MACHINE AUTHENTICATION FEATURES - RECENT EXAMPLES</b> ICAO recently released its <i>Best practice guidelines for optical machine authentication</i> . Drawing on examples of security elements suitable for both visible and machine authentication, we will appraise the impact of these guidelines on document security and counterfeit deterrence. > <b>Ulrich Schneider</b> – Specialist Document Examiner, Bundeskriminalamt, Forensic Science Institute, KT 54 – Questioned Documents, ID-Systems, Germany
16.45-17.05	<b>ABC – WHERE ARE THE GAPS? AND HOW CAN PRUDENT DOCUMENT DESIGNS CLOSE THESE?</b> Demonstrating the untapped potential for using robust, copy-resistant physical security features as an integral part of document check routines at automatic border controls. > <b>John Peters</b> – Head New Business, OVD Kinegram, Switzerland
17.05-17.20	Q&A

# 25/10

## SESSION 9

### CASH CYCLE: THE INFRASTRUCTURE OF THE FUTURE

CHAIR

**Ralph Rotzler**

Head of Branch Operations and Cash Processing, Deutsche Bundesbank, Germany

09.30-09.50

#### ADVANCED CURRENCY MANAGEMENT – KEY CRITICAL INFRASTRUCTURE OF THE 21<sup>ST</sup> CENTURY

Although cash remains by far the most important means of payment, economic and social transactions are becoming increasingly digitalised. We are undoubtedly entering a new era where state-of-the-art cash cycle solutions and data intelligence foster efficiency in the contemporary cash cycle.

> **Marc-Julian Siewert** – Group Vice-President, Head of Value Added Solutions and Services, G+D Currency Technology, Germany

09.50-10.10

#### CASH CYCLE TRANSFORMATION IN EGYPT

The project of building the new printworks and central cash center of the Central Bank of Egypt forms the basis for the new cash cycle structure of the country. This presentation depicts the implementation of this ongoing gigantic project and how it results in more efficient processes.

> **Amany Shams Eldin** – Sub-Governor Banking Operations, Central Bank of Egypt, Egypt

10.10-10.30

#### OVERVIEW OF THE CASH CYCLE IN GEORGIA

This presentation will discuss the key aspects of the Georgian cash cycle.

> **Nana Koberidze** – Head of Cash Circulation and Currency Production Division, National Bank of Georgia, Georgia

10.30-10.45

Q&A

10.45-11.15

COFFEE BREAK

## PANEL

### THE IMPACT OF CHANGING OWNERSHIP STRUCTURES ON THE BANKNOTE SUPPLY CHAIN

11.15-12.30

**The banknote supply chain is undergoing massive changes: companies are cutting costs as a result of overcapacity; mergers, acquisitions and sales of printers and papermakers have occurred; and the delocalisation of manufacturing operations is more frequent. How does this changing landscape affect long-standing customer relationships, business continuity management, and business decisions? Is this trend increasing the efficiency of the industry or undermining its core values?**

> **Vincent Bonnier** – Director General, Banknote Manufacturing Department, Banque de France, France

> **Toby Davies** – Head of Banknote Resilience, Bank of England, United Kingdom

> **Ross Holliday** – CEO, Portals, United Kingdom

> **Bolette Møller** – Head of Procurement and Quality, National Bank of Denmark, Denmark

> **Wolfram Seidemann** – CEO, G+D Currency Technology, Germany

> **Annemarie Watson** – President, Crane Currency, United States of America

**SESSION 10**  
**WHAT'S IN**  
**YOUR FACE?**

CHAIR  
**Renée**  
**Ong-de Jong**  
 Research &  
 Development  
 Advisor Travel  
 Documents,  
 Ministry of  
 the Interior  
 and Kingdom  
 Relations,  
 The Netherlands

09.30-09.50

**SPANISH EXPRESS ID**

The Express ID is a new system designed to facilitate the renewal of Spanish national ID cards without change of data. It consists in a special module whereby a civil servant attends to three citizens simultaneously.

- > **Yolanda Pérez Tocino** – International Secretary, Identity Documents Division, Spanish National Police Force, Spain
- > **Alberto Sánchez Bermejo** – Director of Identification Documents and Smart Cards Department, Fábrica Nacional de Moneda y Timbre-Real Casa de la Moneda (FNMT-RCM), Spain

09.50-10.10

**A NEW ERA IN FACE RECOGNITION**

Face recognition accuracy has improved massively over the last five years, fostering an expanded industry and new applications. The talk will review progress, possibilities and remaining challenges.

- > **Patrick Grother** – Computer Scientist, National Institute of Standards and Technology (NIST), United States of America

10.10-10.30

**STATE-OF-THE-ART MORPHING DETECTION (SOTAMD)**

The vulnerability of biometric systems to so-called morphed face image attacks in processes related to identity document application and automated border control has been revealed. SOTAMD will address this and evaluate, if and to what extent, the current state-of-the-art of Morphing Attack Detection mechanisms are sufficiently mature to be deployed as an immediate response.

- > **Christoph Busch** – Professor, Hochschule Darmstadt (HDA), Germany & Norwegian University of Science and Technology (NTNU), Norway
- > **Dinusha Frings** – Research Manager, National Office for Identity Data, Ministry of the Interior and Kingdom Relations, The Netherlands

10.30-10.45

Q&amp;A

10.45-11.15

COFFEE BREAK

**PANEL**  
**CROSSING**  
**BORDERS AND**  
**BOUNDARIES**

MODERATOR  
**Serge Hanssens**  
 Partner, PwC,  
 Luxembourg

11.15-12.30

**The challenges associated with managing borders today are compounded by the growing number of travellers, immigrants and refugees. This panel will discuss the streamlining of border crossing systems, how best to identify and track refugees, and innovative ideas to tackle the borders of the future.**

- > **Florian G. Forster** – Head, Immigration and Border Management (IBM), International Organization for Migration (IOM), Switzerland
- > **Berndt Körner** – Deputy Executive Director, Frontex, Poland
- > **Richard Rinkens** – Head of Biometrics, European Commission, Directorate-General for Home Affairs, Belgium
- > **Theofanis Syrigos** – Customer Relationship Officer, Border Management Systems Sector, eu-LISA - European Union Agency for the Operational Management of Large-Scale IT Systems in the Area of Freedom, Security and Justice, France
- > US Customs and Border Protection, United States of America - *Invited*

# FEES & REGISTRATION

	MEMBER	NON-MEMBER	BANKNOTE ISSUING AUTHORITIES, MINISTRIES AND LAW ENFORCEMENT
UP TO 02/09/2019	990€*	1 400€*	490€*
FROM 03/09/2019	1 240€*	1 650€*	740€*

\*All prices exclude VAT (25%)

Fees include: conference (Wednesday-Friday), onsite documents and conference proceedings, access to the 3-day exhibition (Wednesday-Friday), coffee breaks & lunches, welcome cocktail, exhibition aperitif, dinner party.

## REGISTER FROM 20/05/2019 ON [WWW.SECURITYPRINTERS.ORG](http://WWW.SECURITYPRINTERS.ORG)

Fees vary depending on whether or not the participant's company is a member of a national printing federation that is a member of Intergraf (see list on page 29). No registration will be accepted after 01/10/2019. One-day rates and exhibition-only rates are not available. 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.

## NETWORKING EVENTS

Welcome cocktail, exhibition aperitif and dinner party: **225€\*** for accompanying persons (spouses & partners), free for registered delegates.

## POST-CONFERENCE TOUR

Copenhagen – now and then: Louisiana Museum of Modern Art & Christiansborg Palace: **175€\*/person** (see details on page 22)

## PAYMENT

Payment is due upon receipt of the invoice and must be made in euro by bank transfer or credit card (Visa, MasterCard or American Express), without deduction of any bank charges. Intergraf's bank details will be printed on the invoice.

## CANCELLATION POLICY

Substitution of registered delegates from the same company may be made at any time, provided that you notify us in writing at least two weeks before the start of the event. Refunds will not be given for no-shows.

- > Cancellations made after 20/08/2019 will incur a charge of 25 % of the total invoiced fees.
- > Cancellations made after 24/09/2019 will incur a charge of 50 % of the total invoiced fees.
- > Cancellations made after 01/10/2019 will incur a charge of 100 % of the total invoiced fees.



# ADD VALUE. INSPIRE TRUST.

Become a certified security printer or supplier.

for printers

## ISO 14298

specifies the requirements for the management of security printing and hologram manufacturing processes

for suppliers

## CWA 15374

specifies the requirements for suppliers to the security printing industry

### Your business benefits

- Improve your tender prospects
- Implement a proven security management system
- Uncover blind spots in your back-office operations
- Guarantee maximum security from development to deployment
- Provide a recognised reference for governments and industry
- Increase customer confidence and satisfaction
- Have a hand in fighting forgery and counterfeiting

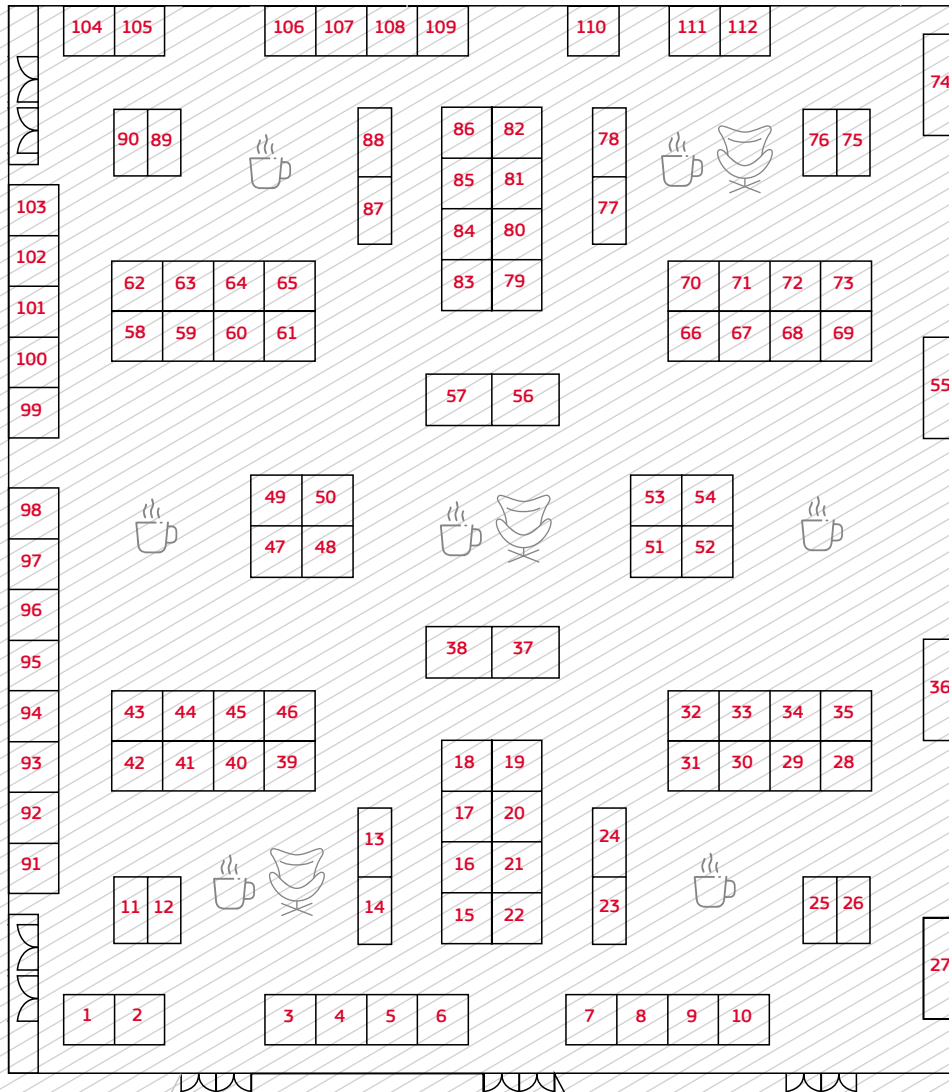


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Contact us now to get certified or to learn more about our workshop: [certification@intergraf.eu](mailto:certification@intergraf.eu)

**INTERGRAF**

# EXHIBITION FLOOR PLAN



# EXHIBITOR LIST

<b>4</b> plate GmbH	65	Interpol	104
<b>A</b> gfa	32	IQ Structures	92
Andrews & Wykeham	18	ISRA SURFACE VISION GmbH	83
Angstrom Technologies, Inc.	80	I.T.G.-GmbH Graphic Products	68
ART-Line Projekt GmbH	48	<b>J</b> ura JSP	66-67
<b>B</b> alacron International b.v.	89	<b>K</b> BA-NotaSys	2
Baldwin Vision Systems	100	KEIT Ltd	24
Banknote Corporation of America, CCL Secure	49	Komori Corporation	5
Bilcare Research S.r.l.	9	KRYPTEN	21
BIRKAN GmbH	22	<b>L</b> ake Image Systems Ltd	88
Boulder Imaging	44	LANA PAPIER SPECIAUX II	7
BW Papersystems (Kugler-Womako)	29	LEONHARD KURZ Stiftung & Co. KG	97-98
<b>C</b> entro Grafico DG	33	Luminescence Sun Security	6
CETIS d.d.	15	<b>M</b> atthews International GmbH	76
Covestro Deutschland AG	3	Merck KGaA	79
CUSBOR	11	Mühlbauer ID Services GmbH	10
<b>d</b> as-Nano S.L.	46	<b>N</b> eenah Red Bridge International Ltd	43
De La Rue	4	<b>O</b> esterreichische Banknoten- und Sicherheitsdruck GmbH	66-67
DIPA Inc.	23	Orell Füssli Security Printing Ltd	37-38
<b>E</b> cological Fibers, Inc.	77	OVD KINEGRAM AG	97-98
Entrust Datacard	19	<b>P</b> arvis systems and services s.p.a.	66-67
Europol	104	PASABAN S.A.	96
<b>F</b> ábrica Nacional de Moneda y Timbre-Real Casa de la Moneda	51-53	Paul Leibinger GmbH & Co. KG	16
FAVINI	13	PETREL	14
Fedrigoni Spa	30-31	Poligrafico e Zecca dello Stato Italiano	93-94
foster + freeman Ltd	78	Polish Security Printing Works (PWPW)	36
<b>G</b> emalto	26	Portals	47
GET Group Holdings	69	PROJECTINA AG	52
G+D Currency Technology	56-57	<b>R</b> egula Baltija Ltd.	41
Gietz AG	50	ruhamat GmbH	42
GTS GmbH	99	<b>S</b> ECTAGO GmbH	111
Gleitsmann Security Inks GmbH	95	Security Fibres Ltd	25
GRAPHIMECC GROUP S.R.L.	55	SICPA SA	27
<b>H</b> IROX EUROPE - JYFEL SARL	87	Smithers Pira	105
Holliston	34	SPM - Security Paper Mill	8
Honnorat Recherches & Services	12	SURYS	58-59-60-61
HUECK FOLIEN GmbH	39-40	<b>T</b> ROY Group, Inc.	35
Hungarian Banknote Printing Company	23	<b>V</b> TT GmbH	91
<b>I</b> AI industrial systems	45	<b>W</b> ista GmbH	20
IN-CORE Systèmes	12	WTG Water Treatment GmbH	28
Infineon Technologies AG	70	<b>X</b> INFOTECH	17
Inspectron Ltd	54	<b>Z</b> EISER GmbH	1
Intergraf Certification	110		

# PRACTICALITIES

## REGISTRATION

**Register online: [www.securityprinters.org](http://www.securityprinters.org)**

**Start: 20/05/2019 – End: 01/10/2019**

**Register before 03/09/2019 & save 250€**

## BADGE PICKUP

Intergraf welcome desk:

Tuesday 22/10/2019: 14.00-20.00

Wednesday 23/10/2019, Thursday 24/10/2019, Friday 25/10/2019: 08.30 onwards

Registered delegates are requested to check in at the registration desk in the entrance hall, to pick up their badge and conference documents.

## SECURITY

To safeguard confidentiality, access to the conference sessions, exhibition, and networking events will only be granted to registered delegates wearing their conference badge. Systematic checks will be carried out. Badges must be worn at all times. All badges will feature photographs. Please upload a recent photograph when completing the online registration form. To be printed on your badge, the file should be at least 240x300 px in size and 300 dpi in resolution (.jpg or .png). Without this, your badge will not be available for pickup at the registration desk. You will need to wait while your picture is taken and the badge printed.







CONNECT

LEARN

CUSTOMISE

# YOUR EVENT IN A SINGLE APP

- ▶ Designed to keep you updated onsite and to help you interact with participants and exhibitors, schedule meetings and plan your event.
- ▶ Accessible to registered participants only, password-secured and compatible with iPhone®, iPad®, Android®. Personal logins and passwords will be emailed in early October 2019.

DOWNLOAD FROM EARLY OCTOBER 2019

## LEARN

- > Speakers' biographies, photos and presentations
- > Session descriptions, exhibition floor plan and exhibitors' profiles
- > Real-time event listings to let you know what's happening
- > Integrated feedback forms to help you interact with organisers and shape next events

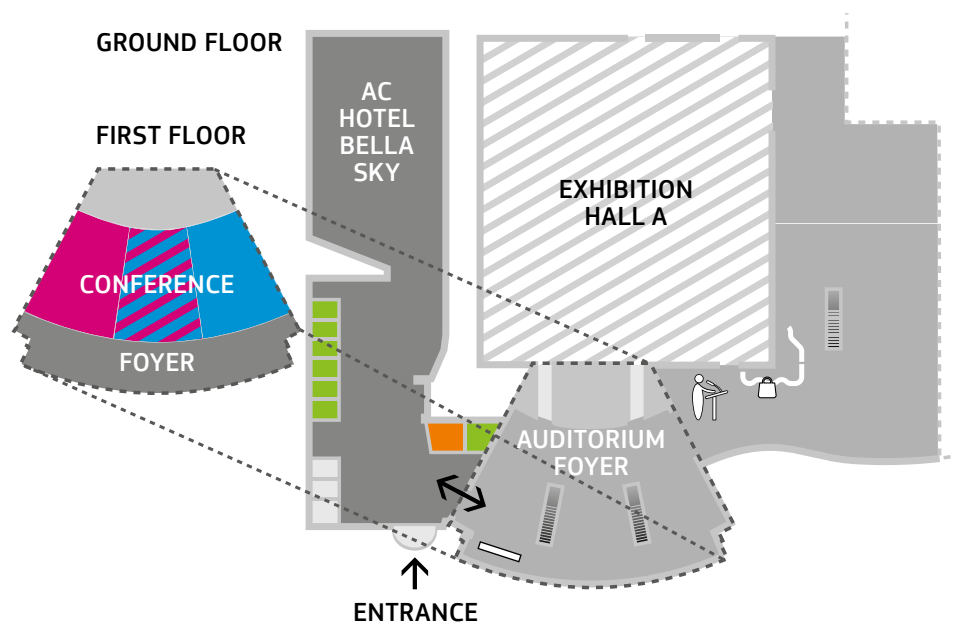
## CONNECT

- > Use the private networking feature to contact and receive messages from other participants
- > Browse the participants' list with photos to see who's coming
- > Set up meetings before and during the event

## CUSTOMISE

- > Save your own personal event schedule
- > Take notes to share with colleagues

# FLOOR PLAN & OPENING HOURS



## CONFERENCE SESSIONS

See details on pages 6-13

23/10/2019: 09.30 – 15.15

24/10/2019: 09.30 – 17.20

25/10/2019: 09.30 – 12.30

All sessions will be held in English only.

## CONFERENCE ROOMS

23/10/2019: Auditorium 10, 11, 12

24/10/2019: Parallel Sessions,

Auditorium 10 / Auditorium 12

25/10/2019: Parallel Sessions,

Auditorium10 / Auditorium 12

## EXHIBITION OPENING HOURS

See details on pages 16-17

23/10/2019: 10.25 – 19.00

24/10/2019: 08.30 – 18.00

25/10/2019: 08.30 – 14.00

## SPEAKER ROOM

22/10/2019: 08.00 – 17.00

23/10/2019: 08.30 – 17.00

24/10/2019: 08.30 – 17.00

25/10/2019: 08.30 – 11.00






## COFFEE BREAKS

Exhibition hall A

## WALKING LUNCH

(Wednesday & Thursday)

Exhibition hall A

-  Registration desk
-  News & Demo Stage
-  Bag distribution
-  Speaker room
-  Breakout rooms

# NETWORKING EVENTS

Free for registered delegates. Please register your accompanying person (fees apply – see page 14).

## TUESDAY 22/10/2019

### Welcome cocktail

19.30 – 21.00

#### Bella Center Copenhagen

Your first opportunity to bond, network and have fun with like-minded professionals deeply embedded in the fabric of the Banknote+Identity industry. So that ideas can spread and new partnership can follow. All delegates and registered accompanying persons are welcome. Please do not forget to wear your badge.

## WEDNESDAY 23/10/2019

### Exhibition aperitif

17.00 – 18.00

#### Exhibition

Experience the newest in security printing technology. Spend some time exploring 110 exhibition booths and talk to experts that are creating breakthrough banknote and identity solutions. Where else to expand your expertise, catch up with friends, and make new connections to put your ideas into action?

## THURSDAY 24/10/2019

### Dinner party

19.30 – 01.00

#### Lokomotivværkstedet

Chances are you will not have seen anything like the Lokomotivværkstedet. Just a few minutes from Copenhagen Central Station, this vast industrial structure was once used to service locomotives. But long gone are the days when mechanics tightened nuts and bolts in the old grease pits. Completely transformed for the occasion, its 9,000-square-metre hall will provide the ideal setting for igniting conversations on the topics that matter most to you. Long after the day's talks have ended, let it all sink in and take your networking to the next level: share an informal evening of fun, filled with outstanding Nordic food, music and dancing, with fellow security printing experts from across the globe. The perfect opportunity – and backdrop – to oil the wheels of business and recharge your batteries.

*Buses will depart from Bella Center Copenhagen at 19.00. Return shuttles from 23.00.*



# POST-CONFERENCE TOUR

**SATURDAY 26/10/2019**

**Copenhagen – now and then**

09.15 to 17.00

175€/person – Includes transport, admission fees and lunch

## **Louisiana Museum of Modern Art**

A vibrant cultural venue just a stone's throw from Copenhagen, the modernist building complex of Louisiana Museum of Modern Art blends perfectly into the natural surroundings of the Sound (Øresund), providing an ideal setting for its 3,500-strong collection of works from the mid-20<sup>th</sup> century onwards, as well as cutting-edge temporary exhibitions.

Join the guided tour. And then wander through the glass-walled galleries and get lost in the rolling hills of its unique sculpture park, with stunning panoramic views of Sweden across the water.

## **Christiansborg Palace, Copenhagen**

Right in the middle of Copenhagen, on the small island of Slotsholmen between Zealand and Amager, stands Christiansborg Palace. The Danish Parliament as well as the Danish Prime Minister sit behind its relatively new neo-baroque façade. And it is in its Royal Reception Rooms that the Queen still welcomes foreign heads of

state and throws her New Year's receptions. But underneath these grand halls filled with art and tapestries teeming with kings, queens and national heroes that made Denmark what it is today also await over 800 years of history to be discovered: the ruins of Bishop Absalon's 12<sup>th</sup>-century castle and of the Blue Tower, Copenhagen Castle's infamous prison. The 106-metre-high tower that replaced it when the current palace was completed in 1928 has one of the best 360° vantage points from which to take in the entire capital. Make sure you check the sweeping panorama from the viewing platform.





3+...+...+98+99+100  
=  
5050

# Don't miss out on IBDA's World Banknote Exhibition

**Be inspired, start thinking creatively, and gain a new perspective from the many ground-breaking banknote designs which will be exhibited.**

All designs are inspired and driven by the collective global culture and preferences of banknote users, both human and machines, in much the same way as current banknote design activity is inspired by singular national cultures.

Let us propel you into the future by catching a glimpse of what the banknote of tomorrow could look like – visit us at SecurityPrinters in Copenhagen!



# AC HOTEL BELLA SKY COPENHAGEN \*\*\*\*

With 23 floors, 811 rooms and a total of 30 meeting rooms, the 4-star designer hotel AC Hotel Bella Sky Copenhagen is one of the largest and most attractive hotels in the Nordic region.

The hotel is an integrated part of Bella Center Copenhagen where the conference and exhibition are being held.

The rooms are furnished with high-quality Scandinavian design and equipped with

facilities to ensure a comfortable stay, including free wireless Internet in every room.

The hotel has a gym, an Aqua Spa and a variety of restaurants and bars, all of which make a unique impression. Whether you visit the first-floor restaurant B A S A L T, SUKAIBA Copenhagen on the 23<sup>rd</sup> floor or one of the other bars and restaurants, you will be served delicate dishes prepared with local ingredients for an outstanding gastronomic experience.

The hotel offers a shuttle bus service to and from Copenhagen Airport. It operates daily from 06:00 to 23:00 every half hour. First come first serve. Return trips from the hotel to the airport can be booked at the reception. Cost: 2€ each way (to be paid at check-in/check-out at the reception).

Just 100 metres from the hotel, the metro and buses will take you directly to the city centre in less than 10 minutes.





BOOKING ALREADY OPEN ON [WWW.SECURITYPRINTERS.ORG](http://WWW.SECURITYPRINTERS.ORG)

ROOMS ARE BILLED IN DKK (1 EUR = ± 7.4 DDK)	SINGLE	DOUBLE
PREPAID (NON-REFUNDABLE) AVAILABLE UNTIL 20/05/2019	1295 DDK*	1495 DDK*
FLEX RATE	1495 DDK*	1695 DDK*

\*the rate is charged per night & includes breakfast buffet + 25% VAT. All terms & conditions on [www.securityprinters.org](http://www.securityprinters.org)



# MAP & USEFUL ADDRESSES

## BELLA CENTER COPENHAGEN

Center Boulevard 5  
2300 Copenhagen

## AC HOTEL BELLA SKY COPENHAGEN

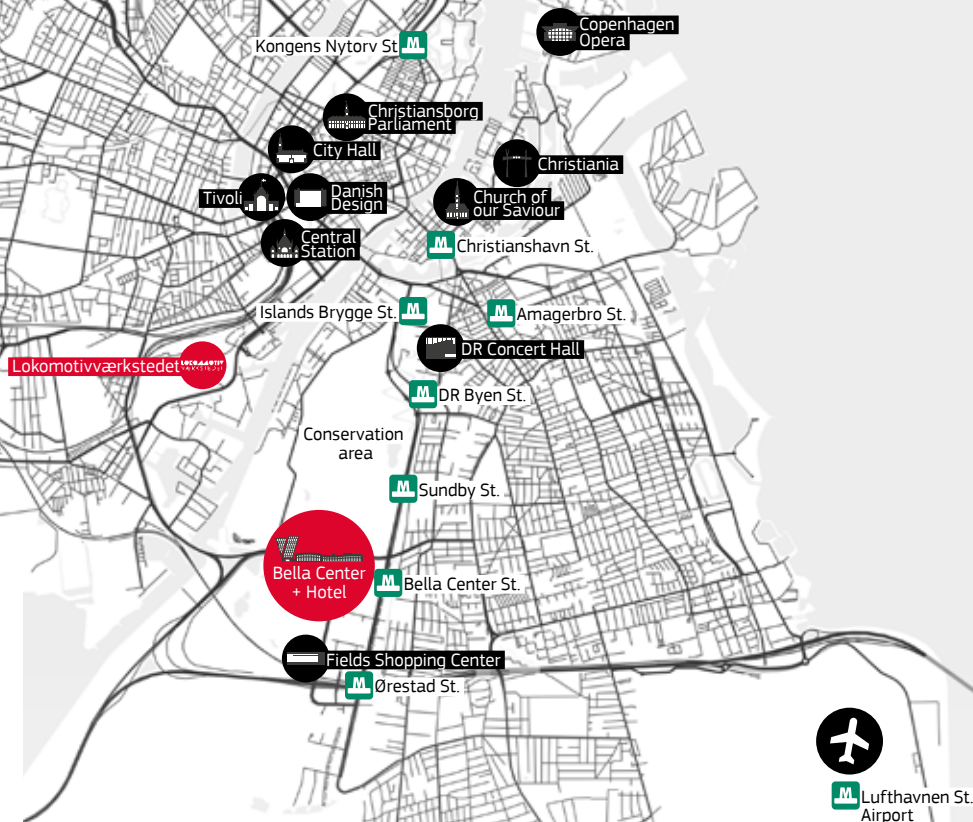
Center Boulevard 5  
2300 Copenhagen

## LOKOMOTIVVÆRKSTEDET

Otto Busses vej 5A  
2450 Copenhagen



Metro





# COPENHAGEN, THE EPITOME OF SCANDI COOL

**Ever wanted to know what makes Denmark different? There is no better place than Copenhagen and its surroundings to find out. No matter what your interests are, there's something for you!**

What was it like in the Nordic world before and during the Vikings? Head to the Nationalmuseet for a close encounter with that bronze and gold Sun Chariot emblazoned on the DDK 1000 note which a Danish farmer accidentally unearthed when ploughing a former peat bog in north-western Zealand in 1902.

For a more contemporary take on Danish lifestyle after a full day of networking, check the area around the iconic and colourful Nyhavn and explore the city from the waterfront. Or venture further out along the Øresund coast to discover some of the many world-class art venues Copenhagen has to offer. There are plenty of possibilities in and around the capital. What you might just miss is time to take it all in.

Served by an efficient infrastructure, Copenhagen is easy to get to. Fast transport to Bella Center Copenhagen and the city

centre is both quick and simple. Thanks to a metro and train station just steps away from Copenhagen Airport's arrival hall, it is a breeze to get around.

Copenhagen Airport lies 8 kilometres outside the city. With direct flights from over 183 destinations worldwide, it is connected to all continents. Most major European cities are within a mere one- to two-hour flight. Bella Center Copenhagen is just 6 kilometres away.

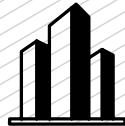
**More info on [www.securityprinters.org](http://www.securityprinters.org)**



# DUBLIN 2018 FACTS & FIGURES



903  
PARTICIPANTS



364  
COMPANIES



58  
COUNTRIES



112  
EXHIBITORS

IT WAS A GOOD INVESTMENT

87%

WILL ATTEND AGAIN

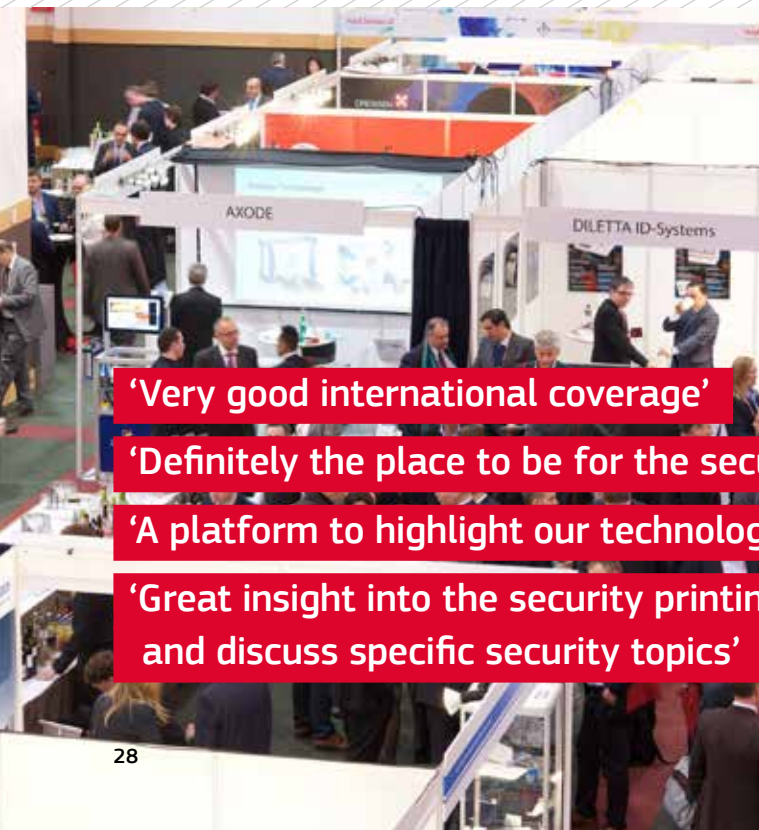
84%



+42% FIRST-TIME  
ATTENDEES



+15% NEW  
EXHIBITORS



'Very good international coverage'

'Definitely the place to be for the security printing industry'

'A platform to highlight our technologies, knowledge and experience'

'Great insight into the security printing market and an opportunity to engage and discuss specific security topics'



2019 SecurityPrinters

# MEMBER FEDERATIONS OF INTERGRAF

Only companies which are members of one of the following national printing federations will be granted the member fee.

## **Austria**

Propak  
Brucknerstrasse 8  
1041 Vienna  
+43 1 505 5382 0  
[www.propak.at](http://www.propak.at)

## **Belgium**

Fédération Belge des  
Industries Graphiques  
Place du Champ de Mars 2  
1050 Brussels  
+32 2 680 0668  
[www.febelgra.be](http://www.febelgra.be)

## **Bulgaria**

Printing Industry Union  
of Bulgaria  
117 Tsarigradsko Shose Blvd  
1784 Sofia  
+359 2 975 23 88  
[www.printunion-bg.org](http://www.printunion-bg.org)

## **Denmark**

Grakom  
Helgavej 26  
5230 Odense M  
+45 63 127 000  
[www.grakom.dk](http://www.grakom.dk)

## **Estonia**

Eesti Trüki-Ja  
Pakenditööstuse Liit  
Suur-Sõjamäe 30  
11415 Tallinn  
+372 5836 3046  
[www.etplee](http://www.etplee)

## **Finland**

Graafinen Teollisuus ry  
Eteläranta 10  
00130 Helsinki  
+358 9 228 77 200  
[www.graafinenteollisuus.fi](http://www.graafinenteollisuus.fi)

## **France**

Union Nationale des Industries  
de l'Impression et de la  
Communication  
Boulevard Saint Marcel 68  
75005 Paris  
+33 1 440 86 446  
[www.com-unic.fr](http://www.com-unic.fr)

## **Germany**

Bundesverband Druck  
und Medien  
Friedrichstrasse 194-199  
10117 Berlin  
+49 30 20 91 390  
[www.bvdm-online.de](http://www.bvdm-online.de)

## **Hungary**

Federation of the Hungarian  
Printers and Papermakers  
Bartok Bela ut 41  
1114 Budapest  
+36 1 350 77 28  
[www.fedprint.hu](http://www.fedprint.hu)

## **Ireland**

Irish Printing Federation  
C/O Diarmuid Dawson, Duggan  
Industrial Estate, Athboy Road Trim,  
Co. Meath  
+353 86 85 20 893  
[www.irishprintingfederation.ie](http://www.irishprintingfederation.ie)

## **Italy**

ASSOGRAFICI  
Piazza Castello 28  
20121 Milan  
+39 02 498 10 51  
[www.assografici.it](http://www.assografici.it)

## **Latvia**

Latvian Printers  
Association  
Perses iela 14-8  
1011 Riga  
+371 67 44 28 31  
[www.livoniaprint.lv](http://www.livoniaprint.lv)

## **Lithuania**

Association of Lithuanian  
Printing Industries  
A. Vienuolio str. 8-404  
01104 Vilnius  
+370 85 233 69 66  
[www.lispa.net/en/about-us](http://www.lispa.net/en/about-us)

## **Luxembourg**

Association des Maîtres  
Imprimeurs du Grand-  
Duché de Luxembourg  
B.P. 1604  
1616 Luxembourg  
+352 42 45 11 27  
[www.amil.lu](http://www.amil.lu)

## **The Netherlands**

Koninklijk Verbond van  
Grafische Ondernemingen  
Startbaan 10  
1180 XR Amstelveen  
+31 20 543 56 78  
[www.kvgo.nl](http://www.kvgo.nl)

## **Norway**

Norwegian Printing Federation  
Postboks 7072 Majorstuen  
0306 Oslo  
+47 23 08 88 47  
[www.nhografisk.no](http://www.nhografisk.no)

## **Portugal**

APIGRAF  
Largo do Casal Vistoso 2-D  
Escritorio B,C,D  
1900-142 Lisboa  
+351 21 849 1020  
[www.apigraf.pt](http://www.apigraf.pt)

## **Sweden**

Grafiska Företagen  
Storgatan 19  
Box 55525  
102 04 Stockholm  
+46 8 762 68 00  
[www.grafiska.se](http://www.grafiska.se)

## **Switzerland**

Schweizerischer  
Verband für Visuelle  
Kommunikation  
Speichergasse 35  
3000 Bern  
+41 58 225 55 00  
[www.viscom.ch](http://www.viscom.ch)

Verband der Schweizer  
Druckindustrie  
Schosshaldenstrasse 20  
3006 Bern  
+41 31 351 15 11  
[www.druckindustrie.ch](http://www.druckindustrie.ch)

## **United Kingdom**

British Printing Industries  
Federation  
St. Bride Foundation,  
Bride Lane, Fleet Street  
EC4Y 8EQ London  
+44 845 250 7050  
[www.britishprint.com](http://www.britishprint.com)



# Pioneers through innovation – since 1519

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