

Don't miss the leading U.S. event for the biometrics industry focused on the latest biometric projects and industry practices. Join your colleagues for this 2-day training...

The 24th Updated Program!

# BIOMETRICS SUMMIT

Practical Deployment Strategies, Market Trends,  
And Best Practices In Government And Business

MARCH 4 - 7, 2013 • MIAMI



Register by January 10th to Save \$400!

## KEY TAKE AWAYS

Attend the longest running, world-renowned forum for advanced identification solutions including...Finger Print Technology, Iris Recognition, Facial Recognition, Voice Recognition and Smart Cards. An opportunity for research, training, and development -- attending this conference will help you:

- Understand the key biometric technologies – how they work, costs and benefits, strengths and weaknesses – **through several real end-user case study examples**
- **Develop a step-by-step process** to ensure implementation success
- Achieve **cost savings** and **increase efficiency and security** by implementing biometric applications
- Pursue advanced multimodal biometrics to **meet future requirements for increased reliability, efficiency, flexibility, security, and improve information sharing**
- **Implement the cloud** to securely and efficiently share identification information
- Deploy biometric applications in a **variety of environments**
- **Prepare and overcome** privacy concerns that arise in the collection of biometric data
- Apply the latest **standards** to your application
- **Analyze, plan, develop and deploy** the right biometric solution for your organization
- Address **system integration** considerations
- **Test and evaluate the performance** of a biometric system to ensure system security
- Understand the future trends of **user-centric biometrics**
- Techniques and technologies to successfully **launch a large-scale biometric implementation**
- **Integrate the use of mobile applications** to manage personal data, access accounts quickly, and enhance the end-user experience

## SUPPORTING ORGANIZATIONS



## MEET AND LEARN FROM INDUSTRY THOUGHT LEADERS INCLUDING:

Federal Bureau of Investigation

Citigroup Inc.

Pinellas County Schools, Florida

IBG, A Novetta Solutions Company

Fujitsu Frontech North America

Daon

Identification Technology Partners

Creative Information Technologies, Inc.

Rensselaer Polytechnic Institute

Precise Biometrics

SecMaker

New Technologies and Associates, Inc.

WCC Group

Defense Intelligence Agency

Delfigo Security

West Virginia University

US-VISIT, U.S. Department of Homeland Security

Bio-Key International, Inc.

Institute for Transfusion Medicine (ITxM)

U.S. Transportation Security Administration

Bionym Inc.

Software Engineering Institute of Carnegie Mellon University

Good Technology

*"The biometrics market is estimated to grow from \$4,217.2 million in 2010 to \$11,229.3 million in 2015, at an estimated CAGR of 21.6% from 2010 to 2015."*

marketsandmarkets.com. "Global Biometrics Technology Market (2010-2015) – Market Forecast by Products, End-User Application and Geography." <http://marketsandmarkets.com/Market-Reports/biometric-market-278.html>, January 2011.

## Rave Review from a Past Biometrics Summit Attendee

*"A.L.I.'s Biometrics Summit is a serious, competent, and comprehensive immersion into this critical technology.*

*It's as good as it gets."*

L. Cardillo, Director

**NORTHWEST FEDERAL CREDIT UNION**

Presented by:



Advanced Learning Institute  
Your Security Training  
Partner Since 1997

Register by January 10th to Save \$400! • Bring a Team and Save – Register 3, Send a 4th for FREE!  
To Register, Call (888) 362-7400 or (773) 695-9400 or online at [www.aliconferences.com](http://www.aliconferences.com)

# The Winter Biometrics Summit - March 4-7, 2013

## WHO WILL ATTEND:

This conference was researched and designed for executives interested in improving and enhancing their security initiatives from the following industries and functions:

**Government**

**Security and Safety**

**Law Enforcement**

**Banking and Financial Services**

**Aviation**

**Homeland Security**

**Healthcare**

**Border Control**

**Physical Access Control**

**Computer Security**

**Telecommunications**

**Retail and Electronic Commerce**

**Education**

**Transportation**

**Motor Vehicle Departments**

**Seaports**

**Physical Security**

**The greatest value will be realized by CEO's, CSO's, CFO's, CIO's, Presidents, Vice Presidents, Directors, Supervisors, Managers, Product Managers, Program Managers, Specialists and System Integrators responsible for:**

Identity Management • ID Cards  
Information Technology • Security Administration  
Operations • Personnel Management • Data  
Processing • Credit Card/Debit Card • MIS  
Access Control • Safety Loss Prevention  
Financial Management • Plant Operations  
Information Security • Network Communications  
Security • Physical Security

And all other End Users, Consultants, Designers & Developers of Biometric Security & Identification Technologies and all those who are interested in the latest Biometric developments & how it can benefit their organizations.

Don't miss out on this excellent networking opportunity!

**Register by January 10th to Save \$400!**

## RECENT PAST ATTENDEES INCLUDE REPRESENTATIVES FROM:

Bank of America • Los Angeles County Sheriff's Department • Baxter Healthcare • American First Credit Union • U.S. Department of Defense U.S. Air Force • Bearing Point • NRC • Bay Federal Credit Union • General Dynamics • U.S. State Department • Hyundai Information Technology Co. Motorola • Canadian Bank Note • General Services Administration • IDA Allergan • Joint Information Operations Center • Nova Southeastern University Datastrip • Aliant • Booz Allen Hamilton • Yamatake Corporation • Canadian Passport Office • IBM • Lockheed Martin Information Technology • Novartis Toshiba Solutions Corporation • Porticus • Kronos • U.S. Social Security Administration • Lucent Technologies • California Department of Motor Vehicles

## THE COMPETITIVE ADVANTAGE YOU'LL GAIN FROM ATTENDING THIS BIOMETRICS EVENT

- **19 innovative speakers** at your disposal to share their strategies and experiences in implementing biometrics, which are already proven to work
- **Over 21 hours of intense, interactive learning** - we guarantee you will recoup your money spent by implementing just a few of the strategies shared during the conference
- **The opportunity to customize your learning** by participating in two days of unique and interactive workshop sessions that will enable you to practice and apply your skills in peer groups -- you will walk away with strategies and tactics that you can begin to implement in your own organization
- An abundance of **networking opportunities** -- you will make many new contacts so be sure to bring plenty of business cards to exchange with your fellow attendees
- **A complimentary packet of research materials** that will serve as a helpful resource long after you have attended this conference
- **A formal Certificate of Completion**, which documents your training achievement and commitment to continuing professional development
- **Optional networking lunches** that give you the opportunity to brainstorm and benchmark with your fellow attendees
- **Participating in instructional sessions** that will share real-world examples, tactics and lessons learned from leading biometrics initiatives that will ground you in advancing your own strategy
- An **exciting venue** in Miami, close to attractions, shopping, restaurants and nightlife
- **Access to the conference wiki (includes e-copies of all speaker handouts)** — you'll have the opportunity to collaborate and keep in touch with your colleagues after the event using this social networking tool

## SPONSORSHIP & EXHIBIT OPPORTUNITIES ARE AVAILABLE:

This conference provides an excellent opportunity to market your products and services to a targeted executive audience interested in biometrics. Space is limited, so please call Erin at (773) 695-9400 x18, for more information.

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To Register, Call (888) 362-7400 or (773) 695-9400 or online at [www.aliconferences.com](http://www.aliconferences.com)

# The Winter Biometrics Summit - March 4-7, 2013

Dear Security & Identity Management Professional:



As Conference Chairperson, I have had the pleasure of supporting this event for more than a decade. I am pleased to announce my involvement in Advanced Learning Institute's 24th biometric program, running March 4-7, 2013 in Miami, and invite you to join me to hear the latest developments in biometrics.

This event will explore specific areas that have been identified as mission critical to end users, systems integrators, investors and vendors. Speakers will showcase recent advancements and trends in identity management, share best practices for biometric system integration, and present specially selected case studies examining deployment successes. **Whether you're trying to analyze facial recognition versus fingerprint systems, or understand the differences between iris and vein – this summit is essential in helping decision-makers determine how biometrics can fit into your business needs.**

## How Will This Training Help You and Your Organization?

You will hear practical advice and lessons learned about such key issues as privacy and standards, the latest biometric deployments, and where technology is heading, including how the:

- **US-Visit, U.S. Department of Homeland Security** validates the viability, performance, and operational effectiveness of multimodal biometrics
- **West Virginia University and Rensselaer Polytechnic Institute** are implementing a preprocessing methodology for passport photo enhancement
- **Pinellas County Schools, Florida** has overcome privacy concerns and challenges in the collection of biometric data in a school environment
- **Oracle** understands the do's and don'ts of implementing biometric technologies successfully into an organization

To take your biometrics training to the next level, attend your choice of four interactive, hands-on workshops guaranteed to enrich your conference experience. Maximize your time out of the office to learn:

- **Biometrics 101: Understanding Biometric Technology And Its Implementation**
- **Implementing Biometrics: A Step-By-Step Process To Ensure Project Success**
- **Understanding And Using Biometrics Standards To Ensure Interoperability And Interchangeability**
- **How To Prepare For The Future Of Biometric Systems**

Register yourself and a group of colleagues, today, by calling toll-free: 888-362-7400 or register online at [www.aliconferences.com](http://www.aliconferences.com).

I look forward to meeting you there at the 24th Biometrics Summit as we discuss the latest biometrics projects and industry practices.

Regards,

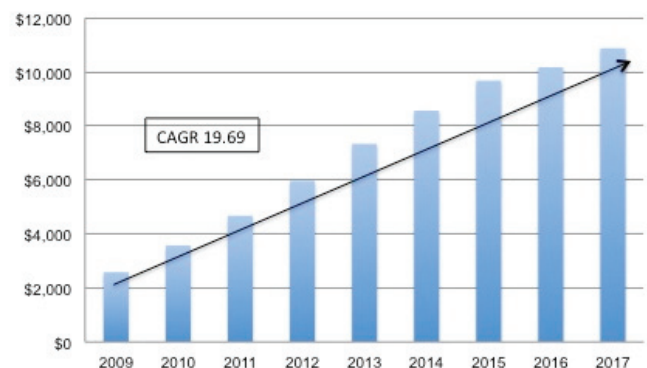
Samir Nanavati, Senior Vice President  
**IBG, A Novetta Solutions Company**  
Conference Chairperson

### RAVE REVIEW FROM PAST BIOMETRICS SUMMIT ATTENDEES:

*"Very interesting topics presented – will definitely consider attending again! Nice mix of backgrounds/ industries; the speakers were good at addressing all of them."*

K. Davis, IT Specialist  
**U.S. DEPARTMENT OF COMMERCE**

Biometric Industry Revenues  
(US Millions)



©Acuity Market Intelligence



# The Winter Biometrics Summit - March 4-7, 2013

## Interactive Pre-Conference Workshops ~ March 4, 2013

### Monday, March 4, 2013

Take biometrics from complexity to clarity through these interactive workshops guaranteed to enrich your conference experience. These information-packed sessions are a great opportunity to network with fellow attendees while taking a hands-on, common-sense approach to mastering biometrics that will enhance your understanding of the informative, case study presentations throughout the entire conference and prepare you for implementing the new technologies when you return to your organization.

----- Choose A or B or BOTH Workshops for Maximum Value and Learning -----

#### 8:30 a.m. to 11:30 a.m. – PRE-CONFERENCE MORNING WORKSHOP A

Continental breakfast will be provided at 8:00 a.m. for the morning workshop attendees.

##### Biometrics 101: Understanding Biometric Technology And Its Implementation

This workshop will prepare you for the rest of the conference by providing fundamentals of biometrics, biometric modalities, devices and scanners, concepts and terminology. It will demystify enrolment, authentication, verification, and identification. Additionally, you will be presented with a comparison of capabilities, advantages, disadvantages, and vulnerabilities of various biometric systems.

We will review fundamental enabling technologies, standards, biometrics system architecture, testing/evaluating performance, acceptability, and privacy considerations; including:

- Current state of the art and new developments
- Major biometric technologies
- Multimodal biometrics - including the fusion of:
  - Fingerprint
  - Iris recognition
  - Face recognition
- Major horizontal biometric applications
- Large-scale integration and project methodology
- Case studies of major deployments
- Testing and certification of systems
- Biometrics spoofing
- Biometric standards
- Privacy and biometrics

You will also have the opportunity to network with fellow attendees and obtain an insider perspective on the biometric industry.

**WORKSHOP LEADER: Thomas Neudenberger, COO of realtime North America Inc., creators of bioLock, the first and only certified biometric technology deeply integrated into SAP ERP.** Mr. Neudenberger has been involved in international business development for 23 years.

#### 11:30 a.m. to 12:30 p.m. – Afternoon break/lunch on your own.

#### 12:30 p.m. to 3:30 p.m. – PRE-CONFERENCE AFTERNOON WORKSHOP B

Refreshments will be provided during this session.

##### Implementing Biometrics: A Step-By-Step Process To Ensure Project Success

During this workshop, you will learn best practices for biometric system implementation to help you avoid common pitfalls and ensure success. You will leave with a step-by-step checklist that can be tailored to your own biometric project.

Specifically, through examples of good and bad implementations, you will learn a process for:

- Matching the right technology to the application
- Determining unique biometric considerations and risks
- Addressing system integration considerations
- Ensuring best practices for enrollment, interoperability, data privacy and security
- Considering human factors and the physical environment

**WORKSHOP LEADER: Walter Hamilton is a Senior Consultant with Identification Technology Partners, a consulting firm in the identity management field. Walter is also a key member of the International Biometrics & Identification Association.**

##### Testimonial From A Past Walter Hamilton Session:

*"Great speaker. Very useful information and excellent 'food for thought' in biometrics deployment. My favorite presentation of this conference!"*

# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day One ~ March 5, 2013

8:00 a.m.

### Registration, Continental Breakfast & Exhibits

8:30 a.m.

#### CHAIRPERSON'S WELCOME & SPEED NETWORKING

### Chairperson's Welcome & Speed Networking

Become acquainted with your fellow conference attendees in this fun and fast-paced forum!

Samir Nanavati, Senior Vice President

**IBG, A Novetta Solutions Company**

Conference Chairperson

9:15 a.m.

#### GOVERNMENT CASE STUDY

### Emerging Biometrics: Future Directions In Identification Technology

Biometric sensors, and the systems incorporating them, have been in use for decades for identification, authentication, and access control. Within the U.S. criminal justice community, the mature modalities have long been friction ridge for positive and forensic identification and DNA for forensic identification. More recently, face and voice recognition has been introduced for lead generation and iris is gradually becoming important for custodial transfer applications.

It has long been known that humans display a rich, additional set of identifying signatures which have not been significantly used. Evolving mission needs, coupled with advancing technology, are causing additional biometric modalities to emerge for research and assessment today, and perhaps employment in the future. Known subject DNA analysis at the point of encounter has been under active development for several years and may see employment in a few years. The use of periocular features to enhance face matching is of active interest. The use of tattoos for lead generation appears to offer significant value. And longer term scent, electrocardiology at a distance, and even electroencephalography may well find investigative niches.

To begin your summit experience, this session will get your mind turning by delving deeper into the following areas of:

- Human beings, through their normal day to day activities, produce and leave behind a variety of persistent identifying traces including fingerprints, DNA, scent, handwriting, images, sounds and other biometric indicators
- "Strong biometrics", (for example fingerprints and DNA), are sufficient by themselves to positively identify the person who deposited them
- "Weak biometrics", while insufficient for positive identification can be combined and used with other information to identify individuals with high likelihood
- Advancing technology and emerging mission needs new modalities; beyond the traditional fingerprints, DNA, iris, and face images hold significant promise for identification, verification, access control, investigative and intelligence applications
- Future trends of user centric biometrics - for the first time in history consumers are not just adopting and reacting to technology but are driving the development and marketing

James Loudermilk, Senior Level Technologist

**FEDERAL BUREAU OF INVESTIGATION**

9:45 a.m.

#### CORPORATE CASE STUDY

### How To Improve Identity Discovery Through Multimodal Fusion

A Latin American country has implemented an automated border control and credentialing solution that manages visitors and trusted travelers while identifying illegal entries. Eligible immigrants are enrolled in a workflow centric, multi-biometric system and are issued a personal identification card. The identification and enrollment fraud detection is handled by a multi-biometric identification system, handling 10-print, face, 2-iris and biographic data to improve accuracy.

# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day One ~ March 5, 2013



This session will provide you with the necessary information to integrate multi-modal fusion into your own biometric systems allowing for an enhanced identity discovery, including how to:

- Understand the key fundamentals of multi-modal fusion – how it works, benefits, strengths and weaknesses – through a real-world case study
- Choose the right type of biometric system, understanding the different forms of biometric systems and their advantages/disadvantages
- Incorporate biometrics into an end-to-end workflow centric solution for identity management
- Understand that identity includes biometrics and biographics and how integrating biographic matching assists in identity matching

During this presentation, you will learn about a best practice for implementing a multimodal biometric system, how to avoid common pitfalls and ensure success. You will leave with practical knowledge that can be tailored to your own multi-biometrics project.

Richard Martin, Director/Identity Management Systems  
**CREATIVE INFORMATION TECHNOLOGIES, INC.**

Tarvinder Sembhi, VP  
**WCC GROUP**

**10:15 a.m. Q & A SESSION**  
**Your Opportunity To Ask Questions**

**10:25 a.m.**  
**Morning Refreshment, Networking Break & Exhibits**

**10:55 a.m. PANEL DISCUSSION**  
**How To Modernize Your Existing Biometrics Systems**

In a global information society, confirmation and management of identities is critical. Increasingly, biometrics are used to confirm that we are who we say we are. Unfortunately, some governments and businesses deploy biometric systems without careful consideration of the privacy issues that arise with their use.

Implementing biometric solutions to confirm identity, while protecting privacy, is not only possible but advisable to organizations at home and abroad. The public is increasingly privacy conscious and global regulators are expanding their reach to cover the use of new technologies that implicate fundamental human rights, including privacy. By recognizing that privacy, at its core, is about the trust of people whose information an organization holds, organizations should at the outset build into biometric systems privacy considerations and protections.

The Privacy and Biometrics panel will engage experts with a broad range of opinions in a lively discussion of rights to privacy, social perception, and ethics relative to the use of biometrics.

**Moderator:**

Samir Nanavati, Senior Vice President  
**IBG, A Novetta Solutions Company**  
Conference Chairperson

**Panelists:**

Karl Martin, President & CEO  
**BIONYM INC.**

Jerry Jackson, Senior Engineer/Architect, Biometrics and Identity Management  
**SOFTWARE ENGINEERING INSITUTE OF CARNEGIE MELLON UNIVERSITY**

Jim Sullivan, Director of Sales  
**BIO-KEY INTERNATIONAL, INC.**

*"As a first time attendee, the Biometric Summit was a great way to see the various issues and successes in the biometric industry."*

R. Carson, Technical Manager  
**PEC SOLUTIONS, INC.**

AGENDA - DAY 1 - Tuesday, March 5

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# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day One ~ March 5, 2013



AGENDA - DAY 1 - Tuesday, March 5

### 11:25 a.m. **GOVERNMENT CASE STUDY**

#### **How To Leverage Biometrics To Support The Process For Managing Identity Intelligence**

The Defense Intelligence Agency (DIA) is leveraging Department of Defense (DoD) Biometrics to support the process for managing Identity Intelligence. By analyzing all of the attributes associated with an individual and leveraging the linkages to people, places, events, and locations, the DIA is able to we can develop a pattern of life and assess the threat risk associated with the individual and fully illuminate their identity. By more widely disseminating a Persons of Interest list, via the DoD Biometrically Enabled Watch List (BEWL), when a biometric match is made, the list can inform DoD entities, USG agencies, and international partners as to the nature of the individual.

As the dissemination of the BEWL expands beyond DoD, there is an effort to migrate from a simple “tier” based alert scale to a broader scale of categories. This is known as the Categorical BEWL and this watch list enables users to positively identify the person encountered and obtain additional information on the potential threat posed by that individual and “why” that individual is listed on the BEWL. Handling of the individual that has been encountered is then driven by the nature of the encounter and the authority under which the biometric screener is operating.

This forward-thinking session will provide you with insight on how your own biometric systems can be used to support the process of managing Identity Intelligence successfully, including:

- Managing Identity Intelligence successfully
- How to support varying Rules of Engagement
- The technical standards established for exchange of a biometrically enabled watch list
- Future considerations for improved distribution of a biometrically enabled watch list

Dalton Jones, Forensic, Biometrics, and Identity Intelligence Executive

**DEFENSE INTELLIGENCE AGENCY**

### 12:05 a.m. **Q & A SESSION**

#### **Your Opportunity To Ask Questions**

### 12:15 a.m.

#### **Lunch On Your Own -- But Not Alone!**

Join a group of your colleagues for a themed lunch with an informal discussion surrounding a specific biometric hot topic. Take this opportunity to join others in a small, interactive group setting to network and brainstorm solutions to your most pressing biometric concerns.

### 1:35 p.m. **INTERACTIVE SESSION**

#### **Group Digest: Evaluation Techniques And Minimizing Errors In Measurement**

Each of you is gathering biometrics for a different reason. In your group discuss what your main objective is in your organization and what you are hoping to achieve with the use of biometrics. Explain to your group how you are measuring your findings and how you are training operators and users to ensure little to no error.

### 2:15 p.m. **CORPORATE CASE STUDY**

#### **Leveraging Fingerprint ID To Effectively Eliminate Duplicate Records And Streamline Business Processes**

Attend this presentation and learn how Prometric, the global leader in technology-enabled testing and assessment services, and the Institute for Transfusion Medicine (ITxM), the third-largest U.S. independent blood center, have implemented fingerprint identity management solutions to automate both routine and high stakes identification transactions using real-time 1-to-many search. Two very different companies, serving very different markets, each benefiting from the same customer-facing technology. Learn how they address high volume biometric enrollments; maintain flexibility in the face of privacy and regulation changes; and deploy solutions that reduce errors, and

# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day One ~ March 5, 2013



enhance convenience and security.

You'll walk away with ideas on how to capitalize on the advantages fingerprint biometrics can provide to meet your own identity management needs and considerations to bear in mind when making decisions on the appropriate technology solution.

Eric Schulties, Vice President and Chief Information Officer  
**INSTITUTE FOR TRANSFUSION MEDICINE (ITxM)**

Jim Sullivan, Director of Sales  
**BIO-KEY INTERNATIONAL, INC.**

### 2:45 p.m. **CORPORATE CASE STUDY**

#### **How To Implement Biometrics For Mobile Devices And Payments**

The use of smartphone applications for mobile payments is on the rise. With this fast-paced adoption of new technology by a growing number of smartphone users, security is critical. Traditional methods employed by banks and secure payment providers pose usability issues on the device and providers continue to struggle with existing challenges associated with traditional authentication methods, such as passwords and one-time SMS pass codes.

While users are able to benefit from ease of use when paying for items with their mobile device, they are also exposing themselves to unique security risks in the event of loss or theft of the device itself, in addition to the risks associated with conducting secure transactions using web applications. Weighing security and user experience is an ongoing challenge as users continue to embrace the convenience of payments using mobile applications.

Delfigo Security has developed a solution to bring intelligent authentication to mobile devices, building on years of experience with authentication and security for financial applications.

This session will provide you with an understanding of the mobile applications being used to manage personal data and how accounts can be accessed quickly, with an enhanced experience for the end user, including:

- Issues pertaining to payments which are unique to mobile devices
- Challenges with applying traditional authentication methods with mobile payments
- How mobile biometrics can be used easily to enhance authentication of users on mobile devices
- Benefits of biometric authentication where your users are initiating payments on their mobile device by using payment applications

Cynthia D. Normand, CTO  
**NEW TECHNOLOGIES AND ASSOCIATES, INC.**

Abby Porter, Director of Program Management  
**DELFIGO SECURITY**

### 3:15 p.m. **Q & A SESSION**

#### **Your Opportunity To Ask Questions**

3:25 p.m.



#### **Afternoon Refreshment & Networking Break**

### 3:45 p.m. **HEALTHCARE CASE STUDY**

#### **The Implementation Of Biometrics And Single Sign-On For Access**

AGENDA - DAY 1 - Tuesday, March 5



# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day One ~ March 5, 2013



### To Electronic Health Records

Clark and Daughtrey Medical Group, P.A., known for its technology leadership, is a multi-specialty medical practice with over 50 physicians and other medical providers working in 25 specialized areas including primary care, cardiology and cancer. In 2006, Clark and Daughtrey implemented fingerprint biometrics and enterprise single sign-on to establish secure provider access to its system for electronic medical records. It also aimed to provide secure extranet connections to affiliated hospitals and medical providers.

Benchmark best practices with this progressive organization as you review the benefits and lessons learned of their biometric implementation, including:

- Integration of Biometric Fingerprint to Virtual Desktop Infrastructure
- Integration of Identity Manager into their environment, synchronizing passwords between applications
- Easy self-enrollment process
- Use of different fingerprint readers from different vendors with one stored fingerprint
- Improved security with automated login to access all internal and external systems
- Drastically reduced quantity of password-related requests for IT assistance
- Improved speed of user login/logout
- Meets Health Insurance Portability and Accountability Act (HIPAA) regulatory requirements with fewer steps

Nick Ivon, Director of Information Systems

**CLARK AND DAUGHTREY MEDICAL GROUP, P.A.**

**4:15 p.m. Q & A SESSION**

**Your Opportunity To Ask Questions**

*"I really appreciate hearing about real world projects from both the user/customer and integrator/vendor perspectives."*

C. Tilton, VP, Standards & Emerging Technology  
**DAON**

**4:20 p.m.** 

**Afternoon Refreshment & Networking Break**

**4:25 p.m.**  
**End Of Day One**

**4:30 p.m.**   
**Networking Reception: Please Join Us!**

We invite you to join us for a drink as you relax with your peers. All conference attendees and speakers are welcome to join us for this special opportunity to continue networking. Don't miss this chance to benchmark new ideas over complimentary drinks!

**7:00 p.m.**   
**Dine Around**

Sign up during the day for dinner with a group. Take advantage of Miami's fine dining while you continue to network with your colleagues.

AGENDA - DAY 1 - Tuesday, March 5

# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day Two ~ March 6, 2013

8:00 a.m.

### Continental Breakfast & Exhibits

8:30 a.m.

#### CHAIRPERSON'S ADDRESS

### Chairperson's Opening & Presentation: Virtual Identity Analysis Through The VITAL Framework

Online activities can reveal a substantial amount of personal information -- individuals leave identifying data across dozens, if not hundreds of sites. While it is difficult to gain visibility into every element of an individual's online persona, employers may be liable if employees engage in problematic online activities. This presentation will help to define the challenge, and discuss possible solutions, through the cutting edge v-ID1 database and the VITAL framework.

You'll get a glimpse at the future of the biometrics world from this top-rated leading industry expert!

Samir Nanavati, Senior Vice President

**IBG, A Novetta Solutions Company**

Conference Chairperson

9:15 a.m.

#### GOVERNMENT CASE STUDY

### How To Successfully Launch A Large-Scale Biometric Implementation: Techniques, Technologies, And What To Avoid

Mandated by the Maritime Transportation Security Act of 2002, the Transportation Worker Identification Credential (TWIC) program is an ambitious government project. It has led to the issuance of interoperable and standards-based biometric smart card credentials to nearly 2 million civilian maritime workers who require unescorted access to secure areas of the U.S. maritime infrastructure - including port facilities and vessels. The TWIC program is jointly managed by the Transportation Security Administration and the U.S. Coast Guard.

In this informative session, you will get a comprehensive update on the current status of the TWIC program and plans for TWIC reader deployment, as well as key techniques and tactics to use during a large-scale biometric implementation, including:

- The technologies and standards behind the TWIC program and the key role of biometrics
- Lessons learned from a comprehensive pilot program for TWIC readers and what to avoid when implementing smart cards into your organization
- The steps facility and vessel operators will need to take to upgrade their access control systems to use an automated access control system

John Schwartz, Program Manager - TWIC Program

**TRANSPORTATION SECURITY ADMINISTRATION**

Walter Hamilton, Sr. Consultant

**IDENTIFICATION TECHNOLOGY PARTNERS**

9:45 a.m.

#### Q & A SESSION

### Your Opportunity To Ask Questions

9:55 a.m.



### Morning Networking Break & Exhibits

AGENDA - DAY 2 - Wednesday, March 6

# The Winter Biometrics Summit - March 4-7, 2013

## General Sessions - Day Two ~ March 6, 2013



AGENDA - DAY 2 - Wednesday, March 6

10:25 a.m.

### PANEL DISCUSSION

#### Biometric Vendor Panel Debate: Your Opportunity To Compare And Contrast Different Technologies

A variety of biometric technologies will be showcased and debated in this lively session. Everyone is invited to debate the promise and reality of biometric systems. Get your questions answered in this interactive forum.

#### Moderator:

Samir Nanavati, Senior Vice President

#### IBG, A Novetta Solutions Company

Conference Chairperson

#### Panelists:

If Interested In This Opportunity See Sponsorship Section (page 16)

10:55 a.m.

### GOVERNMENT CASE STUDY

#### How To Validate The Viability, Performance, And Operational Effectiveness Of Multimodal Biometrics

The U.S. Department of Homeland Security (DHS) Science and Technology Directorate and the United States Visitor and Immigrant Status Indicator Technology (US-VISIT) Program, in partnership with the U.S. Department of Defense, National Institute of Standards and Technology, and the United States Naval Academy, initiated the Iris-Face Technical Demonstration (IFTD) and Evaluation at the United States Border Patrol (USBP) McAllen Station facility in Texas in October 2010.

The goal of this project was to validate the viability, performance, and operational effectiveness of iris and facial capture technology of illegal aliens apprehended and detained by USBP in McAllen. The motivation for consideration of iris in DHS applications is based on the possibility to rapidly capture an accurate biometric and to execute a rapid identification. The operational trial was conducted by USBP agents, with data collection being done alongside the current fingerprint and face image collection. Approximately five hundred persons were imaged over a two week period.

This session will provide you with a first-hand look at how to implement multimodal biometric technologies into your organization as well as a thorough examination of the possible benefits, including:

- How you can pursue advanced multimodal biometrics—iris scans, facial recognition, and other technologies—to meet future requirements for increased reliability, efficiency, flexibility, and security, and to further improve information sharing and support increased levels of mobility and the challenges that presents
- Why these technologies will be able to fulfill capability and performance demands we all will face in the coming decade, including functionality, availability, flexibility, scalability, and affordability
- Ways to leverage new tools, technologies, and approaches to integrate your biometric and biographic applications into a comprehensive set of automated services
- The adoption of compatible standards for collecting, storing, transmitting, and matching biometric data, which will ultimately result in improved security and facilitated travel worldwide

Greg Ambrose, CIO

US-VISIT, U.S. DEPARTMENT OF HOMELAND SECURITY

11:25 a.m.

### Q & A SESSION

#### Your Opportunity To Ask Questions

11:35 a.m.

### ACADEMIC CASE STUDY

#### Exploring A Preprocessing Methodology For Passport Photo Enhancement

This educational session will explore and discuss the problem of restoring severely degraded facial images resulting from original passport documents. Preliminary exploration on this topic shows that a pre-processing

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## General Sessions - Day Two ~ March 6, 2013

methodology is necessary to improve the overall performance of facial recognition.

The contributions of this work are two-fold:

1. To explore alternative pre-processing schemes to perform restoration of passport photos
2. Experimental studies to show how the pre-processing schemes perform when compared to baseline image restoration methods

From this session, you will gain an understanding in how to enhance and restore photos that have damaged or degraded facial images, including how:

- Image pre-processing can be used to de-noise and eliminate watermark traces that may be present in scanned passport photos
- The application of such a pre-processing scheme is observed to affect the performance of face matching between good quality face images (ground truth) and restored passport face photos

Dr. Antwan Clark, Professor

**RENSELAEER POLYTECHNIC INSTITUTE**

Thirimachos Bourlai, Assistant Professor

**WEST VIRGINIA UNIVERSITY**

**12:05 p.m.**

**Q & A SESSION**

**Your Opportunity To Ask Questions**

**12:10 p.m.**

**Lunch On Your Own -- But Not Alone!**

Join a group of your colleagues for a themed lunch with an informal discussion surrounding a specific topic. Take this opportunity to join others in a small, interactive group setting to network and brainstorm solutions to your most pressing biometrics concerns.

**1:40 p.m.**

**INTERACTIVE SESSION**

**Group Discussion:**

**Using The Cloud To Securely And Efficiently Share Identification Information**

Through the use of the cloud the sharing of secure information across departments in organizations has been improved. During this group discussion you will address the challenges of security when dealing with the cloud and brainstorm solutions to overcome them. Discuss what obstacles you have, or may, run into if you were to integrate the use of the cloud in your organization.

**2:10 a.m.**

**CORPORATE CASE STUDY**

**Successful Ways To Combine Multiple Technologies With Biometrics To Achieve The Greatest ROI**

Like all companies, Citigroup is consistently challenged to lower costs, while simultaneously obtaining the highest levels of ROI in all endeavors. Citigroup Security and Investigation Services (CSIS) has been challenged to meet this ever-changing financial environment as well. While ensuring that risk profiles did not diminish, CSIS set out to obtain a lower operating cost impact, while enhancing the reliability of the functional security aspects.

By taking advantage of several technologies, CSIS has maintained a high standard for securing our Citigroup's perimeters, while significantly lowering their operating expenses. This has been accomplished with little "negative" impact to the operating business units, while ensuring that their employee safety and corporate environment remain at a peak level of risk mitigation.

This blending of functional aspects also had a significant "human acceptance" element. By providing reliable equipment, zero tolerance for mis-verifications, a strong auditable reporting function and ease of employee



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understanding and utilization, significant barriers were overcome.

This session will review the necessary steps needed to successfully combine your current technologies with biometrics, including:

- Methodology to ensure cost savings in your organization
- Ways to ensure you achieve long-term ROI that your organization can recognize

Rudy Wolter, Director CSIS North America Security and Investigations

**CITIGROUP INC.**

### 2:40 p.m. **Q & A SESSION** **Your Opportunity To Ask Questions**

### 2:45 p.m. **Afternoon Networking Break & Exhibits**

### 3:10 p.m. **CASE STUDY** **Where Mobile Innovation Meets Security Evolution: BYOD(evice) Trends And The Evolving Mobile Workforce**

The mobile ecosystem is expanding at lightning speed, with endless innovation and new applications of mobile technology. From contactless payments and augmented reality to embedded devices and connected cities, mobile technology is changing the landscape. The impact mobile has on the world may be limitless, but with this we are facing new and sometimes unprecedented security concerns regarding how we keep up with this evolution and consistently have security solutions in place. The risks can limit the potential offered by mobile solutions.

In this session, you will learn about the latest trends and technologies in mobile innovation as it relates to the expanding mobile workforce, and how you too can consider using mobile technology to increase efficiency and productivity, including:

- Key ways this new trend is allowing organizations to increase their efficiency and productivity
- Primary security concerns that are involved with enabling excessive amounts of personal data readily available and accessible on mobile devices
- How smart phone smart casings with built-in smart card and fingerprint readers are addressing the BYOD concerns in the commercial and government space
- How to create security solutions that address security concerns

Sriram Krishnan, Senior Director of Special Markets

**GOOD TECHNOLOGY**

Michael Harris, CTO

**PRECISE BIOMETRICS**

### 3:40 p.m. **CASE STUDY** **How To Deploy Biometric Applications In A Variety Of Environments As Well As Prepare And Overcome Privacy Concerns That Arise In The Collection Of Biometric Data**

As part of the Fujitsu Group, Fujitsu Frontech delivers a wide range of biometric solutions that incorporate Fujitsu's palm vein authentication technology. Unlike other biometric identification, Fujitsu's PalmSecure™ technology is a unique biometric solution that utilizes contactless, non-traceable and non-shareable authentication to deliver unmatched security and privacy with extremely low false rates that is virtually impossible to forge.

In this session you will discover how PalmSecure is successfully deployed in schools across the United States in Physical Access and cafeteria applications. K through 12 and universities have seen measurable results by

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implementing school districts nationwide now can quickly, efficiently and accurately serve tens of thousands of students daily.

You will leave this session with a better understanding of how to integrate the use of vein authentication technology into your organization successfully as well as the benefits of doing so, including:

- Challenges to prepare for and overcome including privacy concerns and objections raised by parents and communities on collection of biometric data
- How to successfully deploy biometrics in applications in a variety of environments; from Kindergarten to Universities

Art Dunham, Director School Food Service  
**PINELLAS COUNTY SCHOOLS, FLORIDA**

Charles "Bud" Yanak, Director Product Management & Partner Development  
**FUJITSU FRONTTECH NORTH AMERICA**

**4:20 p.m.** **Q & A SESSION**  
**Your Opportunity To Ask Questions**

**4:30 p.m.**  
**Chairperson's Recap: Key Takeaways And What To Do When You Get Back To The Office**  
We'll recap the highlights of the past two days and ask you to share key insights and next steps with the group.

Samir Nanavati, Senior Vice President  
**IBG, A Novetta Solutions Company**  
Conference Chairperson

**4:45 p.m.**  
**Close Of General Sessions**

### Maximize Your Time Out Of The Office:

Post-conference workshops begin at 8:30 a.m. on Thursday, March 7.

**8:30 a.m. to 11:30 a.m.**

#### **POST-CONFERENCE MORNING WORKSHOP C:**

Biometric Authentication: Its Use And Integration With Passwords, Smartcards, PKI, And Other Technologies To Strengthen Access Control

**12:30 p.m. to 3:30 p.m.**

#### **POST-CONFERENCE AFTERNOON WORKSHOP D:**

How To Prepare For The Future Of Biometric Systems

See the next page for complete post-conference workshop details

AGENDA - DAY 2 - Wednesday, March 6

# The Winter Biometrics Summit - March 4-7, 2013

## Interactive Post-Conference Workshops ~ March 7, 2013

Thursday, March 7, 2013

----- Choose **C** or **D** or **BOTH** Workshops for Maximum Value and Learning -----

### 8:30 a.m. to 11:30 a.m. – POST-CONFERENCE MORNING WORKSHOP **C**

Continental breakfast will be provided at 8:00 a.m. for the morning workshop attendees.

#### **Biometric Authentication: Its Use And Integration With Passwords, Smartcards, PKI, And Other Technologies To Strengthen Access Control**

Attend this workshop for an in-depth look at the area of biometric user authentication, primarily for access control purposes. We will investigate biometric authentication contexts, architectures, paradigms and protocols and the differences between biometric authentication and more traditional (secrets-based) authentication methods.

Learn where biometric authentication fits within the larger information and physical security domains and infrastructures, as well as its role within a credential-based access control system. In addition, you will gain an understanding of:

- How biometric authentication relates to and can be used with other related technologies (e.g., passwords/PINs, tokens/smartcards, and PKI), including multi-factor authentication implementations
- The security requirements and mechanisms required to implement biometric authentication effectively
- The advantages and concerns of incorporating the "what you are" method to your logical or physical access system
- Issues and considerations such as secrecy/integrity, revocation, etc.
- What standards exist or are in progress that support the implementation of biometric authentication

This workshop assumes a basic understanding of both biometrics and user authentication. Although suitable for business and management personnel, it does include technical content and is best suited for those with some technical background.

**WORKSHOP LEADER: Catherine J. Tilton is the VP for Standards & Emerging Technologies at Daon**, has over 25 years of engineering and management experience, including over 15 years in the biometrics industry.

#### **Testimonial From A Past Catherine Tilton Session:**

*"Cathy brings outstanding knowledge and energy to her presentation!"*

11:30 a.m. to 12:30 p.m. – Afternoon break/lunch on your own.

### 12:30 p.m. to 3:30 p.m. – POST-CONFERENCE AFTERNOON WORKSHOP **D**

#### **How To Prepare For The Future Of Biometric Systems**

Have you wondered what's new in the biometrics industry? Are you worried that your current deployment will be obsolete in a few short years? Are you planning a cutting-edge system? This interactive workshop will take a look at advances in biometric technologies and new biometric deployments from around the world, and how you can use this information to improve or protect your current systems and investments.

Prepare yourself for the future by attending this workshop to learn what's next in biometric systems, including:

- How R&D efforts of the past have impacted today's deployments
- Emerging biometric modalities
- New ways to use biometrics
- A summary of the latest advances in biometrics
- Tips on "future-proofing" your system

**WORKSHOP LEADER: Joy Smith, Program Manager at IBG**, provides strategic consulting services to clients in both the private and public sectors on developing and optimizing biometric systems.

#### **Testimonial From A Past Joy Smith Session:**

*"A great resource for an overview and centralized info on biometrics vendors, products, etc. Thanks!"*

# ABOUT OUR CONFERENCE SUPPORTERS



**The International Biometrics & Identification Association (IBIA)** promotes using technology effectively and appropriately to determine personal identity and enhance the security, privacy, productivity, and convenience for individuals, organizations, and governments worldwide. With biometrics and other identification technologies as the core focus, the IBIA provides a forum for discussion, education, advocacy, and public policy.

For more information, please go to <http://www.ibia.org/>.



**The Biometrics Institute** is an independent not-for-profit organisation based in Australia providing THE meeting place for any organisation interested in biometrics. It has over 110 membership organisations from Australia, New Zealand and beyond including Australian Customs Service, Department of Immigration and Citizenship, Department of Foreign Affairs and Trade and New Zealand Customs to name a few. The mission of the Biometrics Institute is to be a forum for biometric users and other interested parties and to facilitate the responsible use of biometrics.

For more information visit <http://www.biometricsinstitute.org/>.



**The BioAPI Consortium** is a group of over 120 organizations that have a common interest in promoting the growth of the biometrics market through standardization. The Consortium has developed a specification for a standardized Application Programming Interface (API) that is compatible with a wide range of biometric applications programs and a broad spectrum of biometrics technologies. The BioAPI Specification was approved as an ANSI standard in 2002 and an ISO standard in 2006. The organization now focuses on promoting its adoption and disseminating information and resources.

For more information, go to <http://www.bioapi.org/>.



**BiometricUpdate.com** is the leading news property that publishes breaking news, analysis, and research about the \$7 billion global biometric market.

Each day, you will find original articles, interviews, videos, and podcasts that focus on global developments in biometric technology, such as: fingerprint identification, earlobe, voice, DNA, iris, and facial recognition, civil and criminal ID, retina scans, hand geometry, point of sales authentication, signature verification, video surveillance and gait recognition.

Our news coverage places special emphasis on national security, privacy and regulatory issues, along with examining the latest industrial, commercial and residential applications for biometric technology.

For more information go to: <http://www.biometricupdate.com/>



**Planet Biometrics** is a free-to-access portal designed to shine a light on the biometric industry, promote the industry's expertise, give critical analysis, uncover breaking news, and, most importantly, provide educational information and advice for end users.

The Planet Biometrics portal and its newsletters are designed to be the best in the business. The professional, content-rich site will contain cutting-edge news, case histories, white papers, analysis, a directory and more. High-quality, informed information will be the hallmark of this site, which is targeted at decision makers in the government and commercial sectors.

For more information go to: <http://planetbiometrics.com/>



**BioPortfolio** is a leading news, information and knowledge resource covering the global life science industries impacted on by biotechnology. The site aims to provide the lay person, the researcher and the management executive with a single location to source core information on specific bio-related topics, to collate relevant data associated with each topic and to point the user to relevant knowledge resources.

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**findBIOMETRICS.com** is the leading Biometrics Industry Resource providing free information on all biometric identification and identity verification systems and solutions. findBIOMETRICS has the latest daily news from the global biometric business community, as well as comprehensive vendor lists, informative articles, interviews with industry leaders, useful links to Biometric associations and a current list of related industry events and conferences.

For more information, go to: <http://www.findbiometrics.com/>.



**Biometric Technology Today** is the most established source of authoritative news, analysis, features and surveys on the international biometrics market. Published ten times a year, it is committed to providing unbiased, intelligent comment as well as extensive and fully researched worldwide news coverage on all aspects of the biometrics market.

For more information, go to: <http://www.elsevier.com/locate/bt>.



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# The Winter Biometrics Summit - March 4-7, 2013

## ALL CONFERENCE SESSIONS WILL BE HELD AT THE:

**Doubletree by Hilton Ocean Point Resort & Spa - Miami Beach North**

17375 Collins Avenue  
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T: 866-623-2678 or 786-528-2500  
www.oceanpointresort.com

Please contact the hotel directly when making your reservation.

**For the conference, a limited number of rooms have been set aside at a reduced room rate of \$269/night. Please make your reservation no later than February 8, 2013 to help ensure this special rate & mention "Advanced Learning Institute/ Biometrics."**

We recommend that reservations be made early as possible as rates are subject to availability.

Join us in Miami for A.L.I.'s 24th "Winter 2013 Biometrics Summit" and enjoy this wonderful city's restaurants, shopping, attractions and nightlife.

For information on your visit to Miami, go to [www.miamiandbeaches.com/visitors/](http://www.miamiandbeaches.com/visitors/).



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## REGISTRATION FEES:

The following are included in your conference registration: attendance, web-based conference documentation available pre- and post event through a password protected web-site -- continental breakfasts, morning & afternoon refreshments, and evening networking reception.

Government employees will receive \$200 off of prices listed below. Enter promo code GOV at checkout.

<b>Group Discount: Register 3 colleagues and the 4th is FREE!</b>	<b>EARLYBIRD PRICING:</b> Register with payment by <b>January 10th</b>	<b>Regular Pricing:</b> Register with payment after <b>January 10th</b>
Conference Only (March 5 & 6)	\$1,699	\$2,099
Conference (March 5 & 6) <b>Plus One Workshop</b> (March 4 or 7)	\$2,099	\$2,499
Conference (March 5 & 6) <b>Plus Two Workshops</b> (March 4 &/or 7)	\$2,399	\$2,799
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*Payment is due two weeks prior to the conference. If payment has not been received two weeks before the conference, a credit-card hold, training form or purchase order will be taken to ensure your space.*

### RAVE REVIEWS FROM PAST BIOMETRICS SUMMIT ATTENDEES:

*"Well organized, great presenters with timely and pertinent information."*

N. Blacker, Major  
**U.S. ARMY**

*"I certainly have a better idea of the state of the biometrics industry and the challenges faced. I appreciated hearing from different areas with biometrics needs – healthcare, retail, defense, law enforcement, local, national.."*

A. Kurt, Technical Writer  
**NATIONAL INTEREST SECURITY COMPANY**

# The Winter Biometrics Summit - March 4-7, 2013



## SPONSORSHIP & EXHIBIT OPPORTUNITIES ARE AVAILABLE:

This conference provides an excellent opportunity to market your products and services to a targeted executive audience interested in biometrics. Space is limited, so please call Erin at (773) 695-9400 x216, for more information to reserve your spot.

## TEAM DISCOUNTS: REGISTER 3 & THE 4TH IS FREE!

Four or more attendees, registering together, enjoy a savings of at least \$1,499! Register three attendees and the fourth registrant is FREE! That's a 25% savings off each registration. Note to small departments – register together with your colleagues from another organization and receive the same group discount. The free registrant must be of equal or lesser value.

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## PROGRAM CHANGES:

A.L.I. reserves the right to make changes in programs and speakers, or to cancel programs if enrollment criteria are not met or when conditions beyond its control prevail. Every effort will be made to contact each enrollee if a program is canceled. If a program is not held for any reason, A.L.I.'s liability is limited to the refund of the program fee only.

## CANCELLATION POLICY:

You may make substitutions at any time; please notify us as soon as possible. If you cancel (in writing) more than two weeks prior to the conference (**before February 18**) a refund will be provided less a \$295 administration fee. Registered delegates who do not attend or who cancel two weeks prior to the conference or less (**on or after February 18**) will be issued a credit memo. Credit memos will be valid for one year from date of issuance and can be used by anyone in your organization.

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The Advanced Learning Institute's mission is to help executives build strong personal relationships, expand their business knowledge of cutting-edge trends, and find proven solutions to a wide range of strategic management problems.

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# Registration Form

*Please photocopy for group members.*

Yes, I'd like to register for the March 2013 Biometrics Summit in Miami

**Please check:**

E-mail Priority Code: \_\_\_\_\_ Amount Due: \_\_\_\_\_

- Conference Only
- Conference Plus Workshop(s):
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  - Pre-Conference Workshop B: Implementing Biometrics: A Step-By-Step Process To Ensure Project Success
  - Post-Conference Workshop C: Biometric Authentication: Its Use And Integration With Passwords, Smartcards, PKI, And Other Technologies To Strengthen Access Control
  - Post-Conference Workshop D: How To Prepare For The Future Of Biometric Systems
- I would like to order a conference workbook only
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