2013 Biometric Consortium Conference Preliminary Program

	Mr. Jeffrey S. Dunn, Laboratory for Physical Science, National Security Agency Research Directorate		**Mr. Fernando Podio** Computer Security Division, Information Technology Laboratory. National Institute of Standards and Technology		**Vincent Patton, III, Ed.D**, Vice President, Homeland Security Programs, AFCEA International
	Conference Co-Chair		**Conference Co-Chair**		**Conference Co-Chair**
	Mr. Duane Blackburn, Multi-Discipline Systems Engineer, MITRE **Conference Co-Chair**		**Mr. Ken Gantt**, Deputy Director, Acting, Office of Biometric Identity Management (OBIM), NPPD **Keynote Speaker** **Tuesday** 17 Sept. 8:30 am		**Colonel Bernard Wulfse**, Commander, Dutch Army, Joint Task Force Counter IED **Keynote Speaker** **Tuesday** 17 Sept. 1:30 pm
	Dr. Joseph Atick, Chairman, Identity Council International **Keynote Speaker** Wednesday 18 Sept. 8:30 am		**Dr. Michael Garcia**, Deputy Director, National Strategy for Trusted Identities in Cyberspace (NSTIC) National Program Office, (NIST) **Keynote Speaker** Wednesday 18 Sept. 1:30 pm		**Mr. Dazza Greenwood, JD**, MIT Media Laboratory **Keynote Speaker** Thursday 19 Sept. 8:30 am

2013 Biometric Consortium Conference Preliminary Program

Schedules			
Registration Hours Mon Sept 16 1:00pm – 6:00pm Tues Sept 17 7:30am – 6:00pm Weds Sept 18 7:30am – 5:00pm Thurs Sept 19 7:30am – 12:00pm	**Conference Sessions Schedule** Mon Sept 16 1:00pm – 3:30 pm * Mon Sept 16 3:00 pm – 5:00 pm ** Tues Sept 17 8:15am – 5:00pm Weds Sept 18 8:30am – 5:00pm Thurs Sept 19 8:30am – 12:00pm Thurs Sept 19 11:20am – 1:20 pm** *Special Biometrics Tutorial for Paid Conference Attendees ** National Information Exchange Model (NIEM) Biometric Domain Training for Paid Conference Attendees	**Biometric Technology Expo** Tues Sept 17 12:00pm – 5:00pm Weds Sept 18 10:00am – 4:00pm Thurs Sept 19 8:30am – 12:00pm	**"Welcome to Tampa" All Attendee Networking Reception (ticket provided with conference badge)** **Ballrooms C & D** Tues Sept 17 6:30pm – 8:30pm

2013 Biometric Consortium Conference Preliminary Program

Monday 16 September	
1:00 - 3:30	**Special Biometrics Tutorial presented by Dr. James Wayman**, San Jose State University **(Rooms 15/16)** This tutorial will discuss how the field of "biometrics" evolved from both the 19th Century world of natural philosophy and the Automated Personal Identification research of the 1960s into the industry that it is today. We will directly address the questions, "Who are we?" and "Where are we going"?, with particular emphasis on how new systems are forcing us to change our conceptualizations beyond the traditional taxonomy of "verification" and "identification", and how recent advances in DNA analysis are straining our self-image yet further.
3:00 - 5:00	**National Information Exchange Model (NIEM) Biometric Domain (NBD) Training Session I (Room 11)** • **Mr. Kamran Atri**, CSE CTO, NIEM Biometric Domain (NBD) Facilitator • **Ms. Diane Stephens**, DHS, OBIM, NBD Chair • **Guest Speaker, Mr. William Graves**, BEC Chief Engineer • **Ms. Shuchita Bora**, Sr. Solution Architect, CSE

Tuesday 17 September	
7:30	**Continental Breakfast - Rooms 15/16 Foyer**
8:15	**Co-Chairs Welcome - Ballroom A** • **Mr. Jeffrey Dunn,** Laboratory for Physical Science, National Security Agency/Research Directorate • **Mr. Fernando Podio**, Computer Security Division, Information Technology Laboratory, National Institute of Standards & Technology • **Vincent Patton, III, Ed.D**, Vice President, Homeland Security Programs, AFCEA International • **Mr. Duane Blackburn**, Multi-Discipline Systems Engineer, MITRE
8:30	**Opening Panel - Ballroom A** **Moderator: Mr. Duane Blackburn**, Multi-Discipline Systems Engineer, MITRE • **Key Technological Gains Over the Past Year, Dr. Arun Ross**, Michigan State University • **Major Advancements in Government Applications Over the Past Year, Mr. Christopher Miles**, Biometrics Program Manager, DHS HSARPA Resilient Systems Division. • **Major Private Sector Initiatives Over the Past Year, Mr. Walter Hamilton**, Vice Chairman, IBIA • **Policy & Politics of Identity, Ms. Kelli Emerick**, Executive Director, Secure ID Coalition • **Future Industry Outlook, Dr. Joseph Atick**, Chairman, Identity Council International
9:30	**Keynote Speaker, Biometrics and Identity Review – Renew – Resolve,** **Mr. Ken Gantt**, Acting Deputy Director, Office of Biometric Identity Management (OBIM) **– Ballroom A**
10:00	**Break - Rooms 15/16 Foyer**

2013 Biometric Consortium Conference Preliminary Program

Tuesday 17 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
10:40	**Department of Defense Session** **Moderator, Mr. John Boyd**, Director, Defense Biometrics & Forensics, DoD/ASD (R&E) (10:40 to 11:40) **DoD Biometrics: Shifting to an Identity Concept, Mr. John Boyd**, Director, Defense Biometrics & Forensics, DoD/ASD (R&E) (A-1, A-2)	**Private Sector Session, Moderators, Mr. Walter Hamilton**, Vice Chairman, International Biometrics & Identification Association (IBIA) / **Mr. John Christensen**, Global Technical Systems (10:40 to 11:00) **Profile of a Large Implementation of Iris Recognition for Employee Access Control at a Major Financial Institution, Mr. Rudy Wolter**, Director, Security and Investigations North America Citigroup (B-1)	**Biometrics, Identity & Security (BIdS) Research Showcase, Technically Co-Sponsored by the IEEE Biometrics Council, Co-Moderators, Dr. Bojan Cukic**, Robert C. Byrd Professor of Computer Science & Electrical Engineering, West Virginia University, Director, Center for Identification Technology Research (CITeR) / **Dr. Stephanie Schuckers**, Associate Professor, Department of Electrical Engineering & Computer Engineering, Clarkson University (10:40 to 11:00) **Visual Cryptography and Mixing Techniques for Biometric Privacy, Dr. Arun Ross**, Associate Professor, Michigan State University (C-1)	**AFCEA Identity Management (IdM) Focus Session, Moderator, Mr. Dan Turissini**, Chief Technology Officer, WidePoint, CEO, ORC (10:40 to 12:00) **Identity Management – Current Landscape, Mr. Dan Turissini**, Chief Technology Officer, WidePoint, CEO, ORC **Panelists:** **Challenges of Identity Verfication and Credentialing in an Airport Environment, Ms. Michele Freadman**, Deputy Director, Aviation Security Operations, Massachusetts Port Authority **Mr. Alan Colon**, Sr. Principal Intelligence Analyst, BAE Systems, Inc. (D-1 to D-4)	(10:40 to 12:00) **Biometric Quality Workshop, Moderators, Ms. ElhamTabassi**, NIST/ **Dr. Christoph Busch**, Fraunhofer, IGD, Germany **Development of NFIQ 2.0, Ms. ElhamTabassi**, NIST **Mobility and Utility, Mr. Greg Cannon**, Crossmatch Technologies (E-1 to E-4)

2013 Biometric Consortium Conference Preliminary Program

Tuesday 17 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
11:00	**DoD (cont.)**	(11:00 to 11.20) **Use and Effectiveness of Face Recognition for Casino Surveillance**, **Mr. Bob Schmitt**, Vice President, Sales & Marketing, Biometrica, Inc. (B-2)	(11:00 to:11:20) **Biometric Evaluation on the Cloud: A Case Study with HumanID Gait Challenge,** **Dr. Sudeep Sarkar**, Professor, Computer Science and Engineering, Associate VP for Research & Innovation, Office of Research & Innovation, and **Mr. Ravi Panchumarthy**, University of South Florida (C-2)	**AFCEA Identity Management (IdM) Focus Session (cont.)**	**Biometric Quality Workshop (cont.)**
11:20		(11:20 to 12:00) **Commercial Use Cases in Biometrics** **The Use of Biometrics in Commercial Markets, Mr. Jim Albers,** Senior VP., MorphoTrust, USA **Experian's Role in the Biometric Ecosystem, Mr. Kolin Whitley**, Experian Information Solutions**,** Inc. **User Authentication for Mobile Applications in Banking, Dr. David Read**, Chief Scientist for Army, Defense & Intel Programs, CGI Federal,	(11:20 to 12:00) **Towards Fingerprints as Strings: Secure Indexing for Fingerprint Matching,** **Dr. Venu Govindaraju**, SUNY Distinguished Professor of Computer Science and Engineering, University at Buffalo (C-3, C-4))		
11::40	(11:35 to 12:00) **Biometrics Intelligence Community Perspective,** **Mr. Dalton Jones**, Defense Intelligence Agency (DIA) (A-3, A-4)				
12:00	**Lunch in the West Exhibit Hall - Exhibits Open**				

2013 Biometric Consortium Conference Preliminary Program

Tuesday 17 September (continued)					
1:30	**Keynote Speaker - NATO's Multinational Project: Biometrics in Support of NATO Operations, Colonel Bernard Wulfse**, Commander, Dutch Army, Joint Task Force Counter IED -– **Ballroom A**				
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
2:00	**Department of Defense (cont.)** (2:00 to 2:40) **US Special Operations Command, SOF Identity Operations - BCC, Mr. Craig Archer,** Identity Superiority Manager, USSOCOM (A-5, A-6)	**Private Sector Session (cont.)** (2:00 to 2:30) **Ensuring Test Integrity and Security with Biometric Verification,** **Mr. Daniel Eyob**, Director, GMAT Test Security Graduate Management Admission Council **Mr. Wayne Bailey**, Enterprise Architect, Pearson VUE (B-5 to B-7)	**Biometrics, Identity & Security (BIdS) (cont.)** (2:00 to 2:20) **Multi-Spectral Face Recognition of People in Difficult Environments,** **Dr. Thirimachos Bourlai,** Assistant Professor, West Virginia University (C-5)	**IdM (cont.)** (2:00 to 2:20) **DARPA, Active Authentication Phase Overview – Moving Beyond Passwords,** **Mr. Richard Guidorizzi,** DARPA Program Manager (D-5)	**Scientific Working Group (SWG) on Speaker Recognition Session, Moderator, Hirotaka Nakasone, Ph.D.,** Voice Biometrics Operational Technology Division, FBI (2:00 to 2:20) **Overview - (SWG-Speaker),** **Hirotaka Nakasone, Ph. D** (E-5)
2:20		(2:30 to 3:00) **Facial and Voice Recognition for Consumer Security, Mr. Todd Gebhart,** Vice-Chairman, and **Ms. Stacey Conner**, Director of Global Retail Marketing, McAfee, an Intel Company (B-8)	(2:20 to 2:40) **Illumination Normalization for 3D-2D Face Recognition, Dr. Loannis Kakadiaris** Hugh Roy and Lillie Cranz Cullen University Professor of Computer Science, Electrical & Computer Engineering.(C-6)	(2:20 to 2:40) **DARPA Active Authentication Program: Behavioral Biometrics, Dr. Neil Costigan,** and **Mr. Ingo Deutschmann**, BehavioSec	(2:20 to 2:40) **SWG on Speaker Recognition, Mr. Mark Przybocki, M.S.,** Group Leader, Multimodal Information Group, NIST (E-6)

2013 Biometric Consortium Conference Preliminary Program

Tuesday 17 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
2:40	**Department of Defense (cont.)** (2:40 to 3:00) **US Southern Command Biometrics Overview and Initiatives, Mr. Jeff McClaskey**, Chief, Biometrics & Forensics Office, USSOUTHCOM (A-7)	**Private Sector Session (cont.)**	**Biometrics, Identity & Security (BIdS) (cont.)** (2:40 to 3:00) **Effects of Contact Lenses on Iris Recognition, Kevin Bowyer,** Schubmehl-Prein Professor and the Chair of the Department of Computer Science and Engineering at the University of Notre Dame (C-7)	**IdM (cont.)** (2:40 to 3:00) **Active Authentication via Linguistic Modalities & Data Fusion with HCI Metrics, Dr. Rachel Greenstadt**, Drexel University	**Scientific Working Group (SWG) on Speaker Recognition Session (cont.)** (2:40 to 3:00) **Robust Automatic Transcription of Speech (RATS), Dr. Joseph Olive,** SETA. DARPA/I2O (E-7)
3:00	**Break – West Exhibit Hall**				

2013 Biometric Consortium Conference Preliminary Program

Tuesday 17 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
3:40	**Private Sector Session, Moderators, Mr. Walter Hamilton**, Vice Chairman, IBIA **/ Mr. John Christensen**, Global Technical Systems (3:40 to 4:00) **Biometrics Within the Wireless and Mobile Computing Industry, Dr. John Schneider**, Senior Director, Biometric Center of Excellence, Qualcomm (A-8)	**DoD Session, Moderator, Mr. John Boyd**, Director, Defense Biometrics & Forensics, DoD/ASD (R&E) (3:40 to 5:00) **Novel Techniques for Operational Test & Evaluation of Tactical Biometric Devices, Dr. Kelly Faddis**, Southern Methodist University (B-8, B-9, B-10, B-11)	**Iris Session, Moderator, Dr. James Matey,** Iris Technologies Engineer, NIST (3:40 to 4:00) **Biometric Information Content: What Is It; How to Measure It; When to Use It, Dr. Yagiz Sutcu**, Polytechnic Institute of NYU (C-8)	**IdM (cont.)** (3:40 to 5:00) **IdM Case Studies from at Home and Abroad, Moderator, Mr. Mark Crego,** Managing Director, Global Lead, Biometrics and Identity Services, Accenture **Obstacles to Adoption of Strong Identity, Mr. Mark Crego,** Managing Director, Global Lead, Biometrics and Identity Services, Accenture **Universal ID, Redefining What Universal Identity Means to a Resident, Mr. Rajesh Mashruwala** **Iris ID Systems, Mr. Tim Meyerhoff**, Director, North America, IRIS ID Systems	**Scientific Working Group (SWG) on Speaker Recognition Session (cont.)** (3:40 to 4:00) **RDT&E Subcommittee, Plans Forward, Pedro Torres-Carrasquillo, Ph.D.**, Chair, RDT&E Subcommittee, MIT Lincoln Laboratory (E-8)
4:00	(4:00 to 4:20) **Biometrics in the Post Password Era – Are You Ready?, Mr. Michael Barrett**, President, Fast Identity Online (FIDO) Alliance (A-9)		(4:00 to 4:20) **Iris Standardization, Ms. Elham Tabassi**, Scientist, NIST (C-9)		(4:00 to 4:20) **SWG-Speaker: Type-11 Approach, Mr. Peter Higgins, M.S.**, Chair, Type 11 Implementation Subcommittee, Higgins & Associates Int., **Dr. James Wayman**, San Jose State University. (E-9)
4:20	**Standards Session, Moderator, Mr. Fernando Podio**, Co-Chair, Biometric Consortium, Project Leader, Computer Security Division (CSD), NIST/ITL (4:20 to 5:00) **Biometric Data Format and Related Standards – Need, Status and Trends, Dr. Christoph Busch,** Fraunhofer IGD, Germany (A-10 to A-11)		(4:20 to 4:40) **IDQT - Iris Device Qualification Test, Dr. Dan Potter**, Principal Scientist, Scitor Corporation (C-10)		(4:20 to 4:40) **Issues on Scientific Reliability, Admissibility and Privacy, James L. Wayman, Ph.D.**, Chair, Science in Support of Law (E-10)

2013 Biometric Consortium Conference Preliminary Program

Tuesday 17 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
4:40	**Standards Session (cont.)**	**DoD Session (cont.)**	(4:40 to 5:00) **Analysis of Multispectral Data,** **Mr. John Howard,** Southern Methodist University (C-11)	(4:40 to 5:00) **IdM Case Studies from at Home and Abroad (cont.)** (D-8 to D-11)	(4:40 to 5:00) **Towards Best Practices for Biometric Voice Data Collection for Forensic and Investigative Use Cases**, **Joseph P. Campbell, Ph.D.**, Chair, Best Practice Subcommittee, MIT Lincoln Laboratory, **Mr. Ken Marr,** Forensic Audio Examiner, FBI Digital Evidence Laboratory (E-11)
5:00	**Adjourn**				
6:30	**"Welcome to Tampa" All Attendee Networking Reception – Ballrooms C&D, 6:30 pm to 8:30 pm**				

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September					
7:30	Continental Breakfast - Rooms 15/16 Foyer				
8:20	STEM Scholarship Awards – Ballroom A				
8:30	**Keynote Speaker - Identity: The Next Frontiers, Dr. Joseph Atick**, Chairman, Identity Council International **- Ballroom A**				
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
9:00	**Department of Homeland Security (**DHS**) Session, Moderator,** **Mr. Paul Good**, CBP®, Assistant Chief, Office of Border Patrol Enforcement Systems Branch - Biometrics (9:00 to 9:20) **Application Support Center Biometric Operations, Ms. Leslie Hope,** Chief, ESD Biometric Division, U. S. Citizenship & Immigration Services (A-12)	**International Session, Moderators, Dr. Raul Sanchez-Reillo**, Associate Professor, Director of the University Group of Identification Technologies, Carlos III University of Madrid, Spain, **Dr. Young-Bin Kwon**, Professor, Chung-Ang University, South Korea, **Dr. Christoph Busch,** Fraunhofer ICG, Germany (9:00 to 9:30) **Unique Identification Authority of India (UIDA), Policy Planning & Integration** **Ms Rajlakshmi Devraj,** Assistant Director General **Biometric Authentication, Sh Sameer Gupta,** Assistant Director General (B-12)	**R-DNA Session, Moderator, Dr. Thomas Callaghan**, Senior Biometric Scientist, Biometrics Analysis Section, FBI (9:00 to 9:20) **Rapid DNA, QAS, NDIS & CODIS,** **Ms. Jennifer Wendel,** Chief, CODIS Unit, FBI Laboratory (C-12)	(9:00 to 9:20) **DARPA, Active Authentication Phase I** (9:00 to 9:20) **Integrating User Intent Modeling with Decoy Technology for Advanced Active Authentication: The RUU Project (Are You You?), Dr. Salvatore Stolfo**, CEO, Allure Security Technology, Inc. (D-12)	**Iris Workshop** **Moderator, Dr. James Matey,** Iris Technologies Engineer, NIST (9:00 to 10:00) **Panel Discussion Iris Aging & Temporal Variations,** **Dr. James Matey,** Iris Technologies Engineer, NIST **Panelists:** **Making Sense of IREX VI,** **Kevin Bowyer,** Schubmehl-Prein Professor & the Chair of the Department of Computer Science and Engineering at the University of Notre Dame **How to Assess the Iris Aging Efficiently?,** **Dr. Adam Czajka**, Assistant Professor, Warsaw University of Technology, Poland

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (cont.)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
9:20	**Department of Homeland Security (DHS) Session (cont.)** (9:20 to 9:40) **CBP Border Patrol Biometrics, Mr. Antonio Trindade,** Associate Chief, Enforcement Systems, U. S. Border Patrol, U.S. Customs and Border Protection and **Mr. Paul Good**, CBP®, Assistant Chief, Office of Border Patrol Enforcement Systems Branch - Biometrics	(9:30 to 10:00) **European Association for Biometrics (EAB): Setting the Path for the Use of Biometrics in Europe, Professor Christoph Busch,** Gjovik University, Norway (B-13 to B-14)	(9;20 to 9:40) **NIST R-DNA Interlaboratory Study, Dr. Peter Vallone**, Applied Genetics Group Leader, NIST (C-13)	(9:20 to 9:40) **Stylometry, Focused On How Thought Processing Impacts Keystroke Dynamics. Users Changes in Typing Rhythms Induced by Cognitive Factors, Especially When it is Manifested as Natural Pauses in Typing, Dr. Jien Morris Chang,** Iowa State University (D-13)	**Iris Workshop (cont.)** **Iris Template Aging, Mr. Patrick Grother**, Computer Scientist Supervisor, Information Technology Laboratory (IAD), NIST/ITL **Iris Aging and Biometric Performance, Dr. Stéphane Gentric**, Research Unit Manager, Morpho (E-12 to E-14)
9:40	(9:40 to 10:00) (A-14)		(9:40 to 10:00) **Defense Forensics & Biometrics Agency Rapid DNA Testing Efforts, Dr. Brigid O'Brien,** Research Physical Scientist, Defense Forensic Science Center (C-14)	(9:40 to 10:00) **Stylometry, Focused on Capturing Information on How a User Types, Harnessing a Combination of Cognitive Rhythms Making It Language Independent, Dr. Kiran Balagani**, New York Institute of Technology (D-14)	
10:00	**Break – West Exhibit Hall**				

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/16)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
10:40	**International Session, Moderators, Dr. Raul Sanchez-Reillo**, Associate Professor, Director of the University Group of Identification Technologies, Carlos III University of Madrid, Spain, **Dr. Young-Bin Kwon**, Professor, Chung-Ang University, South Korea, **Dr. Christoph Busch,** Fraunhofer ICG Germany (10:40 to 11:00) **K-NBTC, Biometric Test Services and Certification, Dr. Young-Bin Kwon,** Chung-Ang University, South Korea (A-15)	**Department of Homeland Security (DHS) Session, Moderator, Mr. Paul Good**, CBP®, Assistant Chief, Office of Border Patrol Enforcement Systems Branch - Biometrics (10:40 to 11:20) **OBIM Strategic Way-Forward, Mr. Ken Gantt,** Deputy Acting Director, Office of Biometric Identity Management (OBIM), NPPD (B-15 to B-16)	(10:40 to 11:00) **Update on the Core ANDE System and Advanced Spirals, Dr. Richard Selden,** Executive Chairman and CEO, NetBio (C-15)	(10:40 to 11:00) **IdM in Healthcare – What's Working? Let's Understand the REAL Hurdles For Success, Moderator, Mr. John Odden,** Executive Director, Collaborative For Universal Health Care, Inc. (D-15 to D-18))	**IEEE CBP Workshop, Moderator. Ms. Kelley Johnson**, Holmes Corporation (10:40 to 12:00) **IEEE Certified Biometrics Professional© (CBP) Program Update/Meet and Greet, Ms. Kelley Johnson**, Holmes Corporation (E-15 to E-18)
11:00	(11:00 to 11:20) **Gait Recognition, Professor Christoph Busch,** Gjovik University, Norway (A-16)		(11:00 to 11:20) **Developmental Validation of the RapidHIT™ System for Human Identification of Reference Samples, Dr. Stevan Jovanovich**, Founder and CTO, IntegenX, Inc. (C-16)		
11:20	(11:20 to 11:40) (A-17)	(11:20 to 12:00) **Air Entry/Exit Re-engineering, Mr. Robert Burns,** Apex AEER Program Manager, HSARPA, DHS S&T (B-17. B-18)	(11:20 to 11:40) **IntrepID ™ S2A-90, Professor James Landers**, Chemistry Department, University of Virginia (C-17)		

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/16)**	**Track C** **Technology Focus** **(Room 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
11:40	(11:40 to 12:00) **Smart Biometric and H/W Security Technology, Mr. Scony Lee**, CEO, BEFS (A-18)	**Department of Homeland Security (DHS) Session (cont.)**	(11:40 to 12:00) **ParaDNA Developments: Rapid Field-Deployable DNA Screening of Casework Evidence, Mr. Mark Dearden**, ParaDNA Business Unit Director, LGC Limited (C-18)	**IdM in Healthcare (cont.)**	**IEEE Certified Biometrics Professional© Meet and Greet (cont.)**
12:00	**Lunch in the West Exhibit Hall**				

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (continued)					
1:30	**Keynote Speaker – National Strategy for Trusted Identities in Cyberspace: Biometrics for the Consumer Market, Dr. Michael Garcia**, Deputy Director, National Strategy for Trusted Identities in Cyberspace (NSTIC) National Program Office, (NIST) – **Ballroom A**				
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Rooms 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
2:00	**NIST Session, Moderator, Mr. Michael Garris**, Manager, Image Group, NIST (2:00 to 2:20) **Why Person Identification from Video is Hard**, **Dr. P. Jonathon Phillips**, Electronic Engineer, NIST (A-19)	**International Session, Moderators, Dr. Raul Sanchez-Reillo**, Associate Professor, Director of the University Group of Identification Technologies, Carlos III University of Madrid, Spain, **Dr. Young-Bin Kwon**, Professor, Ang-University, South Korea, **Dr. Christoph Busch**, Fraunhofer IGD, Germany (2:00 to 2:30) **European ID Policy and Border Crossing**, **Dr. Andreas Wolf**, Senior Director, Component Definition, Bundesdruckerei GmbH	**Standards Session, Moderator, Mr. Fernando Podio**, Co-Chair, Biometric Consortium, Project Leader, Computer Security Division (CSD), NIST/ITL (2:00 to 2:20) **Iris Images at 2KB: An Opportunity for PIV, Passports and UID**, **Mr. Patrick Grother**, Computer Scientist Supervisor, and **Mr. George Quinn,** Computer Scientist, Information Access Division (IAD), NIST/ITL (C-19)	(2:00 to 3:00) **Identity Management and Moblle Devices**, **Moderator, Mr. Dan Turissini**, Chief Technology Officer, WidePoint, CEO, ORC **IdM and Mobile Devices**, **Mr. Jeff Scott**, Vice President Sales – Americas, Precise Biometrics **Key and Credential Management in a Hyper-Connected World**, **Mr. Richard Moulds**, Vice President – Product Strategy, Thales eSecurity **Identity Management in Mobile Devices**, **Mr. Reid Carlisle**, SPYRUS, Inc. (D-19 to D-21)	**R-DNA Workshop, Moderator** **Dr. Thomas Callaghan**, Senior Biometric Scientist, Biometrics Analysis Section, FBI (2:00 to 3:00) **Rapid DNA Enhancement Concept for CODIS, Dr. Thomas Callaghan**, Senior Biometric Scientist, Biometrics Analysis Section, FBI **Panel Discussion #1 – Developmental Validation and CODIS/NDIS Validation** **Panel Discussion #2 – Instrument Quality, Certification and Regulation for CODIS/NDIS Use** (E-19 to E-21)

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Rooms 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
2:20	(2:20 to 2:40) **Technology Evaluations – Why, What and How?**, **Mr. Craig Watson**, NIST (A-20)	(2:30 to 3:00) **Asian Biometric Consortium (ABC) Activities and International Cooperation**, **Dr. Jason Kim**, Chairman, ABC (B-19 to B-21)	(2:20 to 2:40) **Grading Difficulty of Fingerprint Datasets for Technology Evaluation Based on ISO/IEC TR 29198**, **Dr. Hale Kim**, Professor of School of Information & Communications Engineering, Inha University, Incheon, South Korea (C-20)	**IdM and Mobile Devices (cont.)**	**R-DNA Workshop (cont.)**
2:40	(2:40 to 3:00) **Is There a Way to Share my Biometric Samples?**, **Mr. Brad Wing**, IT Specialist, Information Access Division (IAD), NIST/ITL (A-21)		(2:40 to 3:00) **SC37 WG4 Programme of Work**, **Dr. Peter Waggett**, IBM Emerging Technology, UK IBM (C-21)		
3:00	**Break - West Exhibit Hall**				

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (continued)					
	Track A **A Biometric Perspective** **(Ballroom A)**	**Track B** **Policy, Planning, and Integration** **(Rooms 13/14)**	**Track C** **Technology Focus** **(Rooms 15/16)**	**Track D** **AFCEA Identity Management (IdM)** **(Room 20)**	**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
3:40	**Academic Research, Moderator, Dr. Bojan Cukic**, Robert C. Byrd Professor of Computer Science & Electrical Engineering, West Virginia University, Director, Center for Identification Technology Research (CITeR) (3:40 to 4:00) **Biometric Fusion, Dr. Venu Govindaraju**, SUNY Distinguished Professor of Computer Science and Engineering, SUNY University at Buffalo (A-22	**National Institute of Standards and Technology (NIST) Session, Moderator, Mr. Michael Garris**, Manager, Image Group, NIST (3:40 to 4:20) **Challenges, Methodologies, and Decisions for PIV Biometrics, Mr. Patrick Grother**, Computer Scientist Supervisor, Information Technology Laboratory (IAD), NIST/ITL (B-22 to B-23)	(3:40 to 4:00) **The 2013 Update to the ANSI/NIST-ITL Standard and the NIEM Biometrics Domain, Mr. Brad Wing**, IT Specialist, Information Access Division (IAD), NIST/ITL **NIEM Biometric Domain, Mr. Kamran Atri**, CSE CTO (C-22)	(3:40 to 4:00) **Identity as A Service, Moderator, S. Samy Bouhaouala,** Sr. Associate, Booz Allen Hamilton **Mr. Saryu Nayyar**, CEO, GuruCul Solutions **Ms. Rebecca Nielsen,** Senior Associate, Booz Allen Hamilton **Mr. James Rice**, Vice President, Federal Business, Layer 7 Technologies, Inc., (a CA Technologies Company) **Mr. Jim Williams**, Senior Vice President, Daon (D-22 – D-25)	(3:40 to 5:00) **Panel Discussion # 3 – Implications of the King vs. Maryland U. S. Supreme Court Decision for Rapid DNA Use in the Booking Station** **Panel Discussion # 4 – Non Database and Other Uses of Rapid DNA** **Panel Discussion # 5 – Global Alliance for Rapid DNA Technology** (E-22 to E-25)
4:00	(4:00 to 4:20) **Removing the Constraints from Face Recognition, Dr. Loannis Kakadiaris** Hugh Roy and Lillie Cranz Cullen University Professor of Computer Science, Electrical & Computer Engineering. University of Houston (A-23)		(4:00 to 4:20) **Conformance Test Architectures and Test Suites for XML- Encoded Biometric Data Interchange Formats, Mr. Dylan Yaga**, Computer Scientist, Computer Security Division (CSD), NIST, ITL and **Mr. Fernando Podio**, Co-Chair, Biometric Consortium, Project Leader, Computer Security Division (CSD), NIST/ITL (C-23)		

2013 Biometric Consortium Conference Preliminary Program

Wednesday 18 September (continued)					
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4:20	**Interagency Session, Moderator, Mr. Duane Blackburn**, Multi-Discipline Systems Engineer, MITRE (4:20 to 5:00) **Interagency Activities to Implement NSPD-59, Ms. Kelly Blake**, National Counterterrorism Center (NCTC) and **Mr. Duane Blackburn**, Multi-Discipline Systems Engineer, MITRE (A-24, A25)	(4:20 to 5:00) **Developing an Interoperable Fingerprint Image Quality Algorithm, Ms. Elham Tabassi**, NIST (B-24 to B-25)	(4:20 to 5:50) **Biometric Performance Testing Methodology Standards, Mr. Michael Thieme**, Vice President, IBG, A Novetta Solutions Company (C-24, C-25)	**Identity As A Service (cont.)**	**R-DNA Workshop (cont.)**
5:00	**Adjourn**				

2013 Biometric Consortium Conference Preliminary Program

Thursday 19 September					
7:30	Continental Breakfast - Rooms 15/16 Foyer				
8:30	**Keynote Speaker – Mr. Dazza Greenwood, JD, Something You Are – Biometrics and a New Deal on Data for the Identity Ecosystem** MIT Media Laboratory, Human Dynamics Group - **Ballroom A**				
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9:00	**Department of Justice Session, Moderator, Mr. James Loudermilk**, Senior Level Technologist, S&T Branch, FBI (9:00 to 9:20) **Large Scale Biometric Systems, Mrs. Kimberly Del Greco**, Chief, Biometrics Services Section, FBI (A-26)	**Biometric Investments: Measuring ROI & Developing Business Strategies in the Real World, Ms. Valerie Evanoff**, Chief Executive Officer, CrossResolve (9:05 to 9:35) **Building A Better Business Case, IRAD and ROI, Mr. Mike Elder**, VP, Identity Intelligence, NOVETTA Solutions (9;35 to 10:00) **Business Case Analysis – Methodology, Framework, and Considerations, Dr. Lars Ericson**, Director of Advanced Technologies, ManTech International Corp. (B-26 to B-28)	**Face Recognition Session, Moderator, Dr. Richard Vorder Bruegge**, Senior Photographic Technologist, S&T Branch, FBI (9:00 am to 9:15 am) **FBI FACE Services Update, Ms. Trudy Ford,** Supervisory Management & Program Analyst, FBI Criminal Justice Information Services Division (CJIS) (9:15 to 9:30) **Face Recognition at U. S. Department of State, Ms. Angela Miller**, Branch Chief, Emerging Technologies, U. S. Department of State, Bureau of Consular Affairs (9:30 to 9:45) **Face Recognition Vendor Test Overview + Recognition of Twins + Recognition by Age Group, Mr. Patrick Grother**, Computer Scientist Supervisor, ITL/IAD, NIST/ITL	(9:00 to 9:20) **DARPA. Active Authentication Phase I** (9:00 to 9:20) **User Authentication/Identification from Web Browsing Behavior, Dr. Myriam Abramson**, Computer Scientist, Naval Research Laboratory (D-26)	(9:00 to 10:00) **Public Perceptions of Biometrics Workshop, Co-Moderators, Ms. Emily Andrew**, Senior Privacy Officer, **Ms. Lisa Mac Donald**, Special Assistant, DHS **Creating Win-Win Biometrics Strategies, Mr. Christopher Lee**, MS., JD., CIPP/G, Directorate Privacy Officer, DHS S&T Directorate **In the Public Eye: Biometrics & Privacy, Dr. Arun Ross**, Associate Professor, Michigan State University **Understanding Perceptions of Biometrics, Ms. Tovah LaDier**, JD., Managing Director, International Biometrics & Identification Association (IBIA) (E-26 to E-28)
9:20	(9:20 to 9:40) **Rapid DNA Instrument Update & Enhancement Plans for CODIS, Dr. Thomas Callaghan**, Senior Biometric Scientist, Biometrics Analysis Section, FBI (A-27)			(9:20 to 9:40) **How An Individual Processes Information on Their Computer Screen – Focuses Only on How the Information is Displayed on the Screen. Leverages Computer Vision Algorithms to Find Spatio-Temporal Screen Fingerprints, Prof. Rama Chellappa**, University of Maryland (D-27)	

2013 Biometric Consortium Conference Preliminary Program

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9:40	(9:40 to 10:00) **Video Technology RDT&E for Criminal Justice Applicatons**, **Dr. Mark Greene**, Program Manager, NIJ (A-28)	**Biometric Investments – Measuring ROI and Developing Business Strategies in the Real World (cont.)**	(9:45 to 10:00) **Face Quality: How I Went Hunting for an Elephant and Found a Mouse`**, **Dr. P. Jonathon Phillips**, Electronic Engineer, NIST (C-26 to C-28)	(9:40 to 10:00) **Covert Cognitive Games & User Response Patterns**, **Dr. Denise Varner,** Southwest Research Institute, **Mr. John Carrola Jr.,** Southwest Research Institute and **Ms. Jennifer Wheeler**, Principal Instructional Designer, Southwest Research Institute, (D-28)	**Improving the Public Image of Biometrics Workshop (cont.)**
10:00	**Break - West Exhibit Hall**				

2013 Biometric Consortium Conference Preliminary Program

Thursday 19 September (cont.)					
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10:40	**Private Sector Session, Moderators, Mr. Walter Hamilton**, Vice Chairman, IBIA **/ Mr. John Christensen**, Global Technical Systems (10:40 to 11:10) **Securing the Mobile Experience with Biometrics, Mr. Toby Rush**, CEO, Eye Verify, **Mr. Lee Cocking**, VP of Risk Intelligence, Fixmo (A-29, A-30)	**Department of Justice Session, Moderator, Mr. James Loudermilk**, Senior Level Technologist, S&T Branch, FBI (10:40 to 11:20) **Next Generation Identification, Mr. Brian Edgell,** Unit Chief, Implementation & Transition Unit, Next Generation Program**,** Federal Bureau of Investigation (B-29 to B-30)	(10:40 to 10:55) **Open Source Face Recognition**, **Mr. Joshua C. Klontz,** Software Engineer, Noblis (10:55 to 11:10) **Heterogeneous Face Recognition: Current Challenges and Case Studies**, **Dr. Thirimachos Bourlai**, Assistant Professor (Biometrics and Biomedical) West Virginia University (11:10 to 11:25) **Exploring Pre-Processing Methodologies for Improving Passport Facial Photos, Antwan Clark, PhD, PE**, University of Maryland, Laboratory for Physical Sciences and **Dr. Thirimachos Bourlai**, Assistant Professor (Biometrics and Biomedical) West Virginia University	(10:40 to 11:00) **National Strategy for Trusted Identities in Cyberspace (NSTIC) Pilots Overview, Dr. Michael Garcia,** Deputy Director, NSTIC, National Institute of Standards and Technology (NIST) (D-29)	(10:40 to 11:20) **Levels of Identity Discovery Workshop, Moderator, Ms. Kim Shepard**, MITRE (E-29 to E-30)

2013 Biometric Consortium Conference Preliminary Program

Thursday 19 September (cont.)					
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11:00	(11:10 to 11:50) **Testing to DEA Standards for Biometric Factor Authentication in Electronic Prescriptions of Controlled Substances (EPCS),** **Kevin Wilson**, Ph.D., CISSP,CBP, Director of Biometrics, iBeta Quality Assurance (A-31, A-32)	**DOJ Session (cont.)**	**Face Recognition Session (cont.)**	(11:00 to 11:40) **NSTIC Pilot – Attribute Exchange Network,** **Mr. David Coxe**, CEO, ID/DataWeb, Inc (D-31)	**Levels of Identity Discovery Workshop (cont.)**
11:20		(11:20 to 12:00) **Scientific Working Group for Forensic and Investigatory Speaker Recognition (SWG-Speaker) – Track B – Policy, Planning and Integration,** **Hirotaka Nakasone,** Ph.D. Voice Biometrics Operational Technology Division, FBI (B-31 to B-32)	(11:25 to 11:40) **New Challenges of Aging for Face Recognition: Twins, Children, & Transgender,** **Dr. Karl Ricanek,** Associate Professor, Computer Science, University of North Carolina, Wilmington (11:40 to 11:55) **Impact of Cosmetics on Face Recognition**, **Dr. Arun Ross**, Michigan State University (11:55 to 12:10) **Freckleprints: Photometric Facial Minutiae Detection and Matching**, **Dr. Patrick Flynn,** University of Notre Dame		(11:20 to 1:20) **National Information Exchange Model (NIEM) Biometric Domain (NBD) Training Session II** **Mr. Kamran Atri**, CSE CTO/NBD Facilitator **Ms. Diane Stephens**, DHS, OBIM, NBD Chair **Ms. Shuchita Bora**, Sr. Solution Architect, CSE
11:40				(11:40 to 12:00) **NSTIC Pilot – Scalable Privacy and Multi-factor Authentication Pilot,** **Mr. Mike Grady**, Senior IAM Consultant, Unicon, Inc. (D-32)	
12:00	**Co-Chairs Closing Remarks – Ballroom A** (Note: The Face Recognition Session and NIEM Training Session II continue through the Closing Remarks)				

Thursday 19 September (cont.)					
			Track C **Technology Focus** **(Rooms 15/16)**		**Track E** **Focused Workshops & Special Sessions** **(Room 21)**
			Face Recognition Session (cont.) (12:10 to 12:25) **Face Processing in Social Networking Services: Updates and Developments**, **Mr. Michael Thieme**, Vice President, IBG, A Novetta Solutions Company		**National Information Exchange Model (NIEM) Biometric Domain (NBD) Training Session II (cont.)**