

**BIOMETRIC CONSORTIUM CONFERENCE – 2010 Program  
September 21 – 23, 2010**



The Biometric Consortium was pleased to have a special video welcome to the Department of Homeland Security Session by

[The Honorable Janet Napolitano](#)

**United States Secretary of the Department of Homeland Security**

[Click here to watch the video.](#)

**Keynote Speakers**

		
<p><a href="#"><u>Mr. Daniel D. Roberts</u></a> Assistant Director, CJIS Division, Federal Bureau of Investigation</p>	<p><a href="#"><u>Dr. Starnes E. Walker</u></a> Director of Research, Science &amp; Technology Directorate, U.S. Department of Homeland Security</p>	<p><a href="#"><u>Mr. Gerald Thames</u></a> Executive Advisor, Booz Allen Hamilton</p>
<p>Tuesday 8:35 AM Ballroom A</p>	<p>Tuesday 1:30 PM Ballroom A</p>	<p>Tuesday 5:00 PM Ballroom A</p>
		
<p><a href="#"><u>LTG Richard P. Zahner, USA</u></a> Deputy Chief of Staff, G-2, U.S. Army</p>	<p><a href="#"><u>Mr. B. B. Nanawati</u></a> Deputy Director General, Unique Identification (UID) Authority of India</p>	<p><a href="#"><u>LtGen John R. Allen, USMC</u></a> Deputy Commander, U.S. Central Command</p>
<p>Wednesday 8:30 AM Ballroom A</p>	<p>Wednesday 1:30 PM Ballroom A</p>	<p>Thursday 8:30 AM Ballroom A</p>

## Workshop Descriptions Follow the Main Session Program Below

### Main Sessions

Tuesday 21 September			
7:30	Continental Breakfast (Rooms 13 – 16 Foyer)		
8:30	<p style="text-align: center;"><a href="#">Welcome</a>  <b>Mr. Jeffrey Dunn, Co-Chair, Biometric Consortium</b>                      Technical Director for Biometrics, National Security Agency/Research Directorate  <b>Mr. Fernando Podio, Co-Chair, Biometric Consortium</b>                      Computer Science Division, Information Technology Laboratory, National Institute of Standards and Technology  <b>Ballroom A</b></p>		
8:35	<p style="text-align: center;"><b>FBI Biometric Overview</b>  <b>Keynote Speaker – <a href="#">Mr. Daniel D. Roberts</a></b>                      Assistant Director, CJIS Division,                      Federal Bureau of Investigation  <b>Ballroom A</b></p>		
	<p style="text-align: center;"><b><u>Session Focus</u></b>  <b><u>DOJ / DHS / DoD / NIST</u></b>  <b><u>Session 1 - Ballroom A</u></b></p>	<p style="text-align: center;"><b><u>Session Focus</u></b>  <b><u>BIdS / DNA / GSA / DOT</u></b>  <b><u>Session 2 - Rooms 15/16</u></b></p>	<p style="text-align: center;"><b><u>Session Focus –</u></b>  <b><u>Standards / International /</u></b>  <b><u>Industry / Technology</u></b>  <b><u>Session 3 - Rooms 13/14</u></b></p>
9:05	<p style="text-align: center;"><b>Department of Justice (DOJ)                      Federal Bureau of Investigation /                      National Institute of Justice                      (FBI/NIJ) Session</b></p> <p style="text-align: center;">Co-Moderators:  <a href="#">Mr. B. Scott Swann</a>                      IT Specialist/Unit Chief,                      Criminal Justice Information                      Division, FBI</p> <p style="text-align: center;"><a href="#">Mr. William Ford</a>                      Director, Information &amp; Sensors                      Technology Division (ISTD),                      National Institute of Justice / Office                      of Science and Technology</p> <p style="text-align: center;">9:05 – 9:30  <a href="#">FBI Next Generation Identification                      (NGI) Overview</a>  <a href="#">Mr. Jerome Pender</a>                      Deputy Assistant Director,                      Information Services Branch,                      Criminal Justice Information                      Services, FBI</p> <p style="text-align: center;">9:30 – 9:45  <a href="#">Biometrics in State and Local Law                      Enforcement</a>  <a href="#">Mr. William Casey</a>                      Deputy Superintendent,                      Boston Police Department</p>	<p style="text-align: center;"><b>Biometrics, Identity &amp; Security                      (BIdS) Session</b></p> <p style="text-align: center;">General Chair:  <a href="#">Dr. Terrance Boulton</a>                      El Pomar Endowed Chair of                      Innovation and Security and                      Professor of Computer Science,                      University of Colorado at Colorado                      Springs &amp; CEO/CTO, Securics Inc.</p> <p style="text-align: center;">9:10 – 9:40  <a href="#">Federal Identity Research                      Needs: What's Left to                      Accomplish?</a>  <a href="#">Mr. Christopher Miles</a>                      Biometrics Program Manager,                      Science &amp; Technology                      Human Factors Division, DHS</p>	<p style="text-align: center;"><b>Biometric Standards Session</b></p> <p style="text-align: center;">Moderator:  <a href="#">Mr. Fernando Podio</a>                      Co-Chair, Biometric Consortium,                      Computer Security Division (CSD)                      NIST/ITL</p> <p style="text-align: center;">9:05 – 9:10  <a href="#">Session Overview</a>  <a href="#">Mr. Fernando Podio</a>                      Co-Chair, Biometric Consortium,                      Computer Security Division (CSD)                      NIST/ITL</p> <p style="text-align: center;">9:10 – 9:35  <a href="#">The ROI of Standards – Direct                      and Indirect Costs and Benefits</a>  <a href="#">Mrs. Catherine Tilton</a>                      Vice President, Standards &amp;                      Emerging Technologies, Daon</p> <p style="text-align: center;">9:35 – 10:00  <a href="#">ANSI/NIST-ITL Standard Update</a>  <a href="#">Mr. Brad Wing</a>                      Biometrics Standards Coordinator,                      NIST</p>

<b>Tuesday 21 September</b>			
	<b><u>Session Focus</u> <u>DOJ / DHS / DoD / NIST</u> <u>Session 1 - Ballroom A</u></b>	<b><u>Session Focus</u> <u>BIdS / DNA / GSA / DOT</u> <u>Session 2 - Rooms 15/16</u></b>	<b><u>Session Focus –</u> <u>Standards / International /</u> <u>Industry / Technology</u> <u>Session 3 - Rooms 13/14</u></b>
<b>9:40</b>	<p><b>DOJ FBI/NIJ Session (cont.)</b></p> <p>9:45 – 10:00  <a href="#"><u>FBI Biometric Center of Excellence (BCOE)</u></a>  <a href="#"><u>Mr. John Manzo</u></a>  Supervisor, Innovative Sciences and Identification Technologies Team, CJIS, FBI</p>	<p><b>BIdS Session (cont.)</b></p> <p>9:40 – 10:00  <a href="#"><u>Auditory-Based Features for Robust Speaker Identification</u></a>  <a href="#"><u>Dr. Qi (Peter) Li</u></a>  President,  Li Creative Technologies, Inc.</p>	<p><b>Biometric Standards Session (cont.)</b></p> <p>9:35 – 10:00 (cont.)  <a href="#"><u>ANSI/NIST-ITL Standard Update</u></a>  <a href="#"><u>Mr. Brad Wing</u></a>  Biometrics Standards Coordinator, NIST</p>
<b>10:00</b>	<b>Break (Rooms 13 – 16 Foyer)</b>		
<b>10:40</b>	<p><b>DOJ FBI/NIJ Session (cont.)</b></p> <p>10:40 – 10:55  <a href="#"><u>FBI Laboratory Update</u></a>  <a href="#"><u>Dr. Alice Isenberg</u></a>  Chief, Biometrics Analysis Section, FBI</p> <p>10:55 – 11:15  <a href="#"><u>Facial Recognition and Identification Initiatives</u></a>  <a href="#"><u>Mr. Richard Vorder Bruegge</u></a>  Senior Photographic Technologist, FBI</p> <p>11:15 – 11:45  <a href="#"><u>State of Research Development and Evaluation at NIJ</u></a>  <a href="#"><u>Video: Fingerprint Scanner</u></a>  <a href="#"><u>Mr. William Ford</u></a>  Director, Information &amp; Sensors Technology Division (ISTD), National Institute of Justice / Office of Science and Technology</p>	<p><b>BIdS Session (cont.)</b></p> <p>10:40 – 11:20  <b>Maritime Biometrics: Research Overview from the ONR MURI TEAM</b>  <a href="#"><u>Dr. Terrance Boulton</u></a>  El Pomar Endowed Chair of Innovation and Security and Professor of Computer Science, University of Colorado at Colorado Springs &amp; CEO/CTO, Securics Inc</p> <p>11:20 – 11:40  <a href="#"><u>Multi-Image and Video-Based Face Recognition</u></a>  <a href="#"><u>Dr. Florian Schroff</u></a>  Researcher, University of California – San Diego</p>	<p><b>Biometric Standards Session (cont.)</b></p> <p>10:40 – 11:00  <a href="#"><u>Adopting Standards for Fingerprint, Iris and Face</u></a>  <a href="#"><u>Mr. Raj Mashruwala</u></a>  Chief Biometric Coordinator, Unique Identification (UID) Authority of India</p> <p>11:00 – 11:20  <a href="#"><u>Status and Trends for Biometric Data Interchange Formats Standardization</u></a>  <a href="#"><u>Dr. Christoph Busch</u></a>  JTC 1/SC 37 WG3 Convener, Fraunhofer Institute for Computer Graphics (IGD)</p> <p>11:20 – 11:40  <a href="#"><u>Standardized Interfaces in Biometric Applications and Research</u></a>  <a href="#"><u>Dr. Raul Sanchez-Reillo</u></a>  Associate Professor, Manager of the University Group for Identification Technologies, Carlos III University of Madrid</p>

Tuesday 21 September			
	<u>Session Focus</u> <u>DOJ / DHS / DoD / NIST</u> <u>Session 1 - Ballroom A</u>	<u>Session Focus</u> <u>BIdS / DNA / GSA / DOT</u> <u>Session 2 - Rooms 15/16</u>	<u>Session Focus –</u> <u>Standards / International /</u> <u>Industry / Technology</u> <u>Session 3 - Rooms 13/14</u>
11:40	<p><b>DOJ FBI/NIJ Session (cont.)</b></p> <p>11:15 – 11:45 (cont.)  <a href="#">State of Research Development and Evaluation at NIJ</a>  <a href="#">Video: Fingerprint Scanner</a>  <a href="#">Mr. William Ford</a>            Chief, Information &amp; Sensors Technology Division (ISTD), NIJ/ Office of Science &amp; Technology</p> <p>11:45 – 12:00  <b>Session Wrap-Up</b></p>	<p><b>BIdS Session (cont.)</b></p> <p>11:40 – 12:00  <b>Meta-Recognition and Extreme-Value Theory for Fusion</b>  <a href="#">Dr. Terrance Boulton</a>            El Pomar Endowed Chair of Innovation and Security and Professor of Computer Science, University of Colorado at Colorado Springs &amp; CEO/CTO, Securics Inc</p>	<p><b>Biometric Standards Session (cont.)</b></p> <p>11:40 – 12:00  <a href="#">Recent Advances in the Development of the NIST/ITL Conformance Test Architecture and Test Suites for Biometric Data Interchange Formats</a>            Co-Presenters:  <a href="#">Mr. Dylan Yaga</a>            Software Engineer, Computer Security Division (CSD), NIST/ITL  <a href="#">Mr. Fernando Podio</a>            Co-Chair, Biometric Consortium, Computer Security Division (CSD), NIST/ITL</p>
12:00	<b>Lunch (East Exhibit Hall)</b> <b>2010 Biometric Technology Expo Opens</b>		

Tuesday 21 September			
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1:30	<p align="center"><a href="#"><u>Special Video Welcome to the Department of Homeland Security Session</u></a> by <a href="#"><u>The Honorable Janet Napolitano</u></a> United States Secretary of the Department of Homeland Security</p>		
1:35	<p align="center"><b>DHS S&amp;T: The Science and Technology of Combating Terrorism</b> <b>Keynote Speaker – <a href="#"><u>Dr. Starnes E. Walker</u></a></b> Director of Research, Science &amp; Technology Directorate, U.S. Department of Homeland Security <b>Ballroom A</b></p>		
2:00	<p align="center"><b>Department of Homeland Security (DHS) Session</b></p> <p align="center">Moderator: <a href="#"><u>Mr. Christopher Miles</u></a> Biometrics Program Manager, Science &amp; Technology Human Factors Division, DHS</p> <p align="center"><b>Featured Speaker:</b> 2:00 – 2:30 <a href="#"><u>Evolution of US-VISIT</u></a> <a href="#"><u>Mr. Shonnie Lyon</u></a> Deputy Director, US-VISIT, DHS</p> <p align="center"><b>Continued below.</b></p>	<p align="center"><b>BIdS Session (cont.)</b></p> <p align="center">2:05 – 2:35 <b>Less Constrained Biometric Identification Research</b> <a href="#"><u>Dr. Marios Savvides</u></a> Research Assistant Professor, Electrical and Computer Engineering Department and Director, CyLab Biometrics Lab, Carnegie Mellon University</p> <p align="center"><b>Continued below.</b></p>	<p align="center"><b>International Session</b></p> <p align="center">Co-moderators: <a href="#"><u>Dr. Christoph Busch</u></a> JTC 1/SC 37 WG3 Convener, Fraunhofer Institute for Computer Graphics (IGD), Germany</p> <p align="center"><a href="#"><u>Dr. Raul Sanchez-Reillo</u></a> Associate Professor, Manager of the University Group for Identification Technologies, Carlos III University of Madrid, Spain</p> <p align="center">2:00 – 2:20 <b>Argentinean Biometrics: One Step Forward</b> Co-Presenters: <b>Biometria.AR Project</b> <b>“National Network of Biometric Information”</b> <a href="#"><u>Mr. Pedro Janices</u></a> National Director of the National Office of Information Technologies Chief Cabinet of Ministers, Argentina</p> <p align="center"><a href="#"><u>National Second Offense Registry</u></a> <a href="#"><u>Dr. Monica Litza</u></a> National Director, National Second Offense Registry Justice, Security, and Human Rights Ministry Argentina</p>

**Tuesday 21 September**

	<b><u>Session Focus</u> DOJ / DHS / DoD / NIST Session 1 - Ballroom A</b>	<b><u>Session Focus</u> BIdS / DNA / GSA / DOT Session 2 - Rooms 15/16</b>	<b><u>Session Focus –</u> Standards / International / Industry / Technology Session 3 - Rooms 13/14</b>
<b>2:20</b>	<p align="center"><b>DHS Session (cont.)</b></p> <p align="center"><i>Featured Speaker:</i> 2:00 – 2:30 (cont.) <a href="#"><u>Evolution of US-VISIT</u></a> <i>Video: <a href="#"><u>US-VISIT Year in Review</u></a></i> <a href="#"><u>Mr. Shonnie Lyon</u></a> Deputy Director, US-VISIT, DHS</p> <p align="center">2:30 – 2:40 <b>Biometrics in the Border Patrol</b> <a href="#"><u>Mr. Antonio Trindade</u></a> Associate Chief, Enforcement Systems, United States Border Patrol, U.S. Customs and Border Protection, DHS</p> <p align="center">2:40 – 2:50 <b>Coast Guard Biometrics Proof Concept in the Mona Pass</b> <a href="#"><u>LT Jim O'Mara USCG</u></a> Commanding Officer USCGC FARALLON</p> <p align="center">2:50 – 3:00 <a href="#"><u>US-VISIT 1.0 Overview</u></a> <a href="#"><u>Ms. Cecilia Grillo</u></a> Program Manager, US-VISIT</p>	<p align="center"><b>BIdS Session (cont.)</b></p> <p align="center">2:05 – 2:35 (cont.) <b>Less Constrained Biometric Identification Research</b> <a href="#"><u>Dr. Marios Savvides</u></a> Research Assistant Professor, Electrical and Computer Engineering Department and Director, CyLab Biometrics Lab, Carnegie Mellon University</p> <p align="center">2:35 – 3:00 <b>Improving Automated Face Recognition Within and Between Videos Through Link Analysis</b> Co-Presenters: <a href="#"><u>Dr. Mark Burge</u></a> Senior Principal Scientist, The MITRE Corporation <a href="#"><u>Mr. Richard Vorder Bruegge</u></a> Senior Photographic Technologist, FBI</p>	<p align="center"><b>International Session (cont.)</b></p> <p align="center">2:20 – 2:40 <b>Recent Developments in Australia &amp; New Zealand Including Iris Vulnerability Assessments</b> <a href="#"><u>Dr. Ted Dunstone</u></a> Chair, Technical Committee, Biometrics Institute, Australia</p> <p align="center">2:40 – 3:00 <a href="#"><u>A Study on Three Preferable Biometric Characteristics of Finger Vein Biometrics</u></a> <a href="#"><u>Mr. Hisao Ogata</u></a> Hitachi-Omron Terminal Solutions Corp., Japan</p>
<b>3:00</b>	<b>Break (East Exhibit Hall)</b>		
<b>3:40</b>	<p align="center"><b>DHS Session (cont.)</b></p> <p align="center"><i>Featured Speaker:</i> 3:40 – 4:00 <a href="#"><u>DHS Technology Successes and Initiatives</u></a> <a href="#"><u>Dr. Sharla Rausch</u></a> Director, Science and Technology Human Factors/Behavioral Sciences Division, DHS</p> <p align="center">4:00 – 4:10 <a href="#"><u>Statistical Methods for Biometrics Performance</u></a> <a href="#"><u>Dr. Michael Schuckers</u></a> Associate Professor of Statistics and Director of the Quantitative Resource Center, St. Lawrence University</p>	<p align="center"><b>BIdS Session (cont.)</b></p> <p align="center">3:40 – 4:05 <a href="#"><u>Recent Progress in Ocular and Face Biometrics: A CITEr Perspective</u></a> <a href="#"><u>Dr. Arun Ross</u></a> Associate Professor, Lane Department of Computer Science &amp; Electrical Engineering, West Virginia University and CITEr</p> <p align="center">4:05 – 4:30 <a href="#"><u>Human Versus Biometric Perception of Iris Texture</u></a> <a href="#"><u>Dr. Kevin Bowyer</u></a> Schubmehl-Prein Professor and Department Chair, University of Notre Dame</p>	<p align="center"><b>International Session (cont.)</b></p> <p align="center">3:40 – 4:00 <a href="#"><u>Face Template Protection Algorithm</u></a> <a href="#"><u>Dr. Pong C. Yuen</u></a> Professor, Department of Computer Science, Hong Kong Baptist University, Hong Kong</p> <p align="center">4:00 – 4:20 <b>New Biometric Activities in Russia</b> <a href="#"><u>Mr. Artyom Yukhin</u></a> Director, Venture Capital, Troika Dialog, Russia</p>

**Tuesday 21 September**

	<b><u>Session Focus</u> DOJ / DHS / DoD / NIST Session 1 - Ballroom A</b>	<b><u>Session Focus</u> BIdS / DNA / GSA / DOT Session 2 - Rooms 15/16</b>	<b><u>Session Focus –</u> Standards / International / Industry / Technology Session 3 - Rooms 13/14</b>
<b>4:10</b>	<p><b>DHS Session (cont.)</b></p> <p>4:10 – 4:20  <b>America Identified: Biometric Technology and Society</b>  <a href="#"><u>Dr. Lisa Nelson</u></a>                      Assistant Professor,                      Graduate School of Public and International Affairs,                      University of Pittsburgh</p> <p>4:20 – 4:30  <b><a href="#"><u>Dynamic Decisional Fusion of Face and Iris</u></a></b>  <a href="#"><u>Video: Iris</u></a> <a href="#"><u>Video: Face</u></a>  <a href="#"><u>Dr. Stephanie Schuckers</u></a>                      Associate Professor, Department of Electrical and Computer Engineering,                      Clarkson University</p> <p>4:30 – 5:00  <b><a href="#"><u>DHS Future Opportunities Panel</u></a></b>                      Panelists,  <a href="#"><u>Mr. Scott McCallum</u></a>                      System Analyst,                      Pinellas County Sheriff's Office  <a href="#"><u>Ms. Patricia Wolfhope - Slides</u></a>                      Biometrics Program Manager,                      Science &amp; Technology, Human Factors Division, DHS  <a href="#"><u>Mr. Arun Vemury</u></a>                      Biometrics Program Manager,                      Science &amp; Technology, Human Factors Division, DHS  <a href="#"><u>Mr. William Graves, PMP - Slides</u></a>                      Chief Biometrics Engineer, US-VISIT  <a href="#"><u>CDR Pat DiBari USCG - Slides</u></a>                      Chief of Command, Control and Operations, Information Systems, USCG</p>	<p><b>BIdS Session (cont.)</b></p> <p>4:05 – 4:30 (cont.)  <a href="#"><u>Human Versus Biometric Perception of Iris Texture</u></a>  <a href="#"><u>Dr. Kevin Bowyer</u></a>                      Schubmehl-Prein Professor and Department Chair,                      University of Notre Dame</p> <p>4:30 – 5:00  <b><a href="#"><u>Designing Multi-modal Biometric Identification System for India's Unique ID Program</u></a></b>  <a href="#"><u>Video1</u></a> <a href="#"><u>Video2</u></a> <a href="#"><u>Video3</u></a>  <a href="#"><u>Dr. Salil Prabhakar</u></a>                      Consultant, World Bank and Digital Persona</p>	<p><b>International Session (cont.)</b></p> <p>4:00 – 4:20 (cont.)  <b>New Biometric Activities in Russia</b>  <b>Mr. Artyom Yukhin</b>                      Director, Venture Capital,                      Troika Dialog,                      Russia</p> <p>4:20 – 4:40  <b><a href="#"><u>What is Unique about India's Unique ID Program?</u></a></b>  <a href="#"><u>Mr. Raj Mashruwala</u></a>                      Chief Biometric Coordinator,                      Unique Identification (UID) Authority of India,                      India</p> <p>4:40 – 5:00  <b><a href="#"><u>Template Protection Projects in Europe</u></a></b>  <a href="#"><u>Dr. Christoph Busch</u></a>                      JTC 1/SC 37 WG3 Convener,                      Fraunhofer Institute for Computer Graphics (IGD),                      Germany</p>
<b>5:00</b>	<p><b>Keynote Speaker – <a href="#"><u>Mr. Gerald Thames</u></a></b>                      Executive Advisor,                      Booz Allen Hamilton  <b>Ballroom A</b></p>		
<b>5:30</b>	<p><b>Reception (East Exhibit Hall) – until 7:00 PM</b></p>		

Wednesday 22 September			
7:30	Continental Breakfast (Rooms 13 – 16 Foyer)		
8:30	<p align="center"><b>Keynote Speaker – <a href="#">LTG Richard P. Zahner, USA</a></b>  Deputy Chief of Staff, G-2,  U.S. Army  Ballroom A</p>		
	<b>Session Focus</b> <b>DOJ / DHS / DoD / NIST</b> <b>Session 1 - Ballroom A</b>	<b>Session Focus</b> <b>BIdS / DNA / GSA / DOT</b> <b>Session 2 - Rooms 15/16</b>	<b>Session Focus –</b> <b>Standards / International /</b> <b>Industry / Technology</b> <b>Session 3 - Rooms 13/14</b>
9:00	<p align="center"><b>Department of Defense (DoD) Session</b></p> <p align="center">Co-Moderators:  <a href="#">Mr. Thomas P. Dee</a>  Director, Defense Biometrics  Department of Defense, DDR&amp;E,  Defense Biometrics</p> <p align="center"><a href="#">Dr. Myra Gray</a>  Director, Biometric Identity  Management Agency (BIMA)</p> <p align="center">9:00 – 9:20  <a href="#">The State of DoD Biometrics</a>  <a href="#">Mr. Thomas P. Dee</a>  Director, Defense Biometrics  Department of Defense, DDR&amp;E,  Defense Biometrics</p> <p align="center">9:20 – 9:40  <a href="#">Slides</a>  <a href="#">COL Joseph K. Smith, USA</a></p> <p align="center">9:40 – 10:00  <b>Panel – The Current Biometrics Landscape</b>  Panel Moderator:  <a href="#">Mr. Thomas P. Dee</a>  Director, Defense Biometrics  Department of Defense, DDR&amp;E,  Defense Biometrics</p> <p align="center">Panelists:  <a href="#">CAPT John Day, USN</a>  Program Manager,  Anti-Terrorism Afloat,  Program Executive Office,  Littoral Mine Warfare (PEO LMW)  <a href="#">COL Theodore Jennings, USA</a>  Project Manager,  Department of Defense Biometrics  <a href="#">COL Joseph K. Smith, USA</a>  <a href="#">Ms. Lisa Swan</a>  Deputy Director, Biometric Identity  Management Agency (BIMA)</p>	<p align="center"><b>Special Rapid DNA Session</b></p> <p align="center">Moderator:  <a href="#">Dr. Thomas Callaghan</a>  Senior Biometric Scientist,  FBI Laboratory, FBI</p> <p align="center">9:00 – 9:10  <b>Opening Remarks</b></p> <p align="center">9:10 – 9:20  <b>DNA Databasing Overview</b>  <a href="#">Dr. Thomas Callaghan</a>  Senior Biometric Scientist,  FBI Laboratory</p> <p align="center">9:20 – 10:00  <b>Development and</b>  <b>Demonstration of the Apollo 200</b>  <b>Breadboard: A Four Sample</b>  <b>Rapid Human Identification</b>  <b>System</b>  <a href="#">Video: Dye Mixing</a>  <a href="#">Video: MBI-040</a>  Co-Presenters:  <a href="#">Dr. Stevan Jovanovich</a>  President &amp; CEO,  IntegenX Inc.  <a href="#">Mr. Bill Nielsen</a>  VP System Integration,  IntegenX Inc.</p>	<p align="center"><b>Industry Session</b></p> <p align="center">Moderator:  <a href="#">Mr. Walter Hamilton</a>  Chairman,  International Biometrics &amp;  Identification Association</p> <p align="center">9:00 – 9:15  <a href="#">Introduction to IBIA</a>  <a href="#">Mr. Walter Hamilton</a>  Chairman,  International Biometrics &amp;  Identification Association</p> <p align="center">9:15 – 10:00  <b>Multi-Biometric Mobile Offender</b>  <b>Recognition System for Law</b>  <b>Enforcement</b>  Co-Presenters:  <a href="#">Mr. Sean Mullin</a>  President &amp; CEO,  B12 Technologies  <a href="#">Sheriff Craig Webre</a>  Lafourche Parish Sheriff's Office</p>
10:00	Break (East Exhibit Hall)		



**Wednesday 22 September**

	<p align="center"><b><u>Session Focus</u></b>  <b><u>DOJ / DHS / DoD / NIST</u></b>  <b><u>Session 1 - Ballroom A</u></b></p>	<p align="center"><b><u>Session Focus</u></b>  <b><u>BIdS / DNA / GSA / DOT</u></b>  <b><u>Session 2 - Rooms 15/16</u></b></p>	<p align="center"><b><u>Session Focus –</u></b>  <b><u>Standards / International /</u></b>  <b><u>Industry / Technology</u></b>  <b><u>Session 3 - Rooms 13/14</u></b></p>
<p><b>10:40</b></p>	<p align="center"><b>DoD Session (cont.)</b></p> <p align="center"><b>Enabling the Future of Military Operations and Intelligence</b></p> <p align="center">10:40 – 10:55  <a href="#"><u>Defense Intelligence Vision and Strategy for Defense Biometrics, Forensics, and Identity Intelligence</u></a>  <a href="#"><u>Mr. Dalton Jones</u></a>                      OUSD(I) Senior Biometrics Executive, Under Secretary of Defense for Intelligence</p> <p align="center">10:55 – 11:10  <b>Operational Impact of Biometrics</b>  <a href="#"><u>Mr. Craig Archer</u></a>                      Identity Superiority Manager, USSOCOM</p> <p align="center">11:10 – 11:25  <a href="#"><u>Enhancing Marine Corps Operations by Shortening the Intelligence and Targeting Cycle</u></a>  <a href="#"><u>Mr. Jeremy Powell</u></a>                      Head, Identity Operations Section, Headquarters, Marine Corps</p> <p align="center">11:25 – 12:00  <b>Panel – Enabling the Future of Military Operations and Intelligence</b>  <b>Panel Moderator:</b>  <a href="#"><u>Mr. Benji Hutchinson</u></a>                      Senior Biometric Technology Analyst, Under Secretary of Defense for Intelligence  <b>Panelists:</b>  <a href="#"><u>Mr. Craig Archer</u></a>                      Identity Superiority Manager, USSOCOM  <a href="#"><u>Mr. Dalton Jones</u></a>                      OUSD(I) Senior Biometrics Executive, Under Secretary of Defense for Intelligence  <a href="#"><u>CDR Darryl F. Jackson, USN</u></a>                      US Navy  <b>Elizabeth D. Johnson</b>                      CODIS Branch Chief, US Army Criminal Investigation Laboratory  <a href="#"><u>LTC Daniel McNamara</u></a>                      CENTCOM J3-JSO  <a href="#"><u>Mr. Jeremy Powell</u></a>                      Head, Identity Operations Section, Headquarters, Marine Corps  <b>Rick Tontarski</b>                      Chief, Forensic Analysis Division, US Army Criminal Investigation Laboratory</p>	<p align="center"><b>Special Rapid DNA Session (cont.)</b></p> <p align="center">10:40 – 11:00  <a href="#"><u>An Inside Look at DoD’s DNA</u></a>  <a href="#"><u>Mr. Ken J. Kroupa</u></a>                      Program Manager, Defense Forensics, DoD</p> <p align="center">11:00 – 11:40  <b>Rapid Human DNA Analysis for Field Forensics: Accelerated Nuclear DNA Equipment (ANDE)</b>                      Co-Presenters:  <a href="#"><u>Dr. Jeffrey S. Palmer</u></a>                      Assistant Group Leader, Chemical and Biological Defense Systems, MIT Lincoln Laboratory  <b>Dr. Richard Selden</b>                      Executive Chairman, Network Biosystems, Inc.</p> <p align="center">11:40 – 12:00  <b>FBI Rapid Violent Criminal Identification Using Minimal DNA Information</b>  <a href="#"><u>Mr. James A. Loudermilk</u></a>                      Senior Level Technologist, Science and Technology Branch, FBI</p>	<p align="center"><b>Industry Session (cont.)</b></p> <p align="center">10:40 – 11:10  <a href="#"><u>Biometrics in the School Cafeteria</u></a>  <a href="#"><u>Mrs. Beverly Blough</u></a>                      Director of Food Services, Wood County School District, Parkersburg, WV</p> <p align="center">11:10 – 11:40  <b>Face Recognition for Rapid Law Enforcement Subject Identification</b>  <a href="#"><u>Mr. Scott McCallum</u></a>                      System Analyst, Pinellas County Sheriff’s Office</p>
<p><b>12:00</b></p>	<p align="center"><b>Lunch (East Exhibit Hall)</b></p>		

Wednesday 22 September			
1:30	<p align="center"><b>Developing an Identity Number for Every Indian</b>  <b>Keynote Speaker – <a href="#">Mr. B. B. Nanawati</a></b>  Deputy Director General,  Unique Identification (UID) Authority of India  <b>Ballroom A</b></p>		
	<p align="center"><b><u>Session Focus</u></b>  <b><u>DOJ / DHS / DoD / NIST</u></b>  <b><u>Session 1 - Ballroom A</u></b></p>	<p align="center"><b><u>Session Focus</u></b>  <b><u>BIDS / DNA / GSA / DOT</u></b>  <b><u>Session 2 - Rooms 15/16</u></b></p>	<p align="center"><b><u>Session Focus –</u></b>  <b><u>Standards / International /</u></b>  <b><u>Industry / Technology</u></b>  <b><u>Session 3 - Rooms 13/14</u></b></p>
2:00	<p align="center"><b>DoD Session (cont.)</b></p> <p align="center"><b>Enabling the Future of Physical Access, Logical Access, and Business Functions</b></p> <p align="center">2:00 – 3:00  Panel Moderator:  <a href="#">Mr. Brian Hunt</a>  Chief, Business Functions Branch, BIMA</p> <p align="center">Panelists:  <a href="#">Mr. Craig Archer</a>  Identity Superiority Manager, USSOCOM  <b>Ms. Janice Condo</b>  OUSD(I) Personnel Security  <a href="#">Mr. Charles Dossett - Slides</a>  HQ G3, ARISS, Development and Fielding, USAREC  <a href="#">LTC Joe Lopez, USA</a>  Risk Management/Identity Management Branch Chief, USNORTHCOM  <a href="#">Ms. Lisa Swan</a>  Deputy Director, BIMA</p>	<p align="center"><b>Special Rapid DNA Session (cont.)</b></p> <p align="center">Moderator:  <a href="#">Dr. Thomas Callaghan</a>  Senior Biometric Scientist, FBI Laboratory, FBI</p> <p align="center">2:00 – 2:20  <a href="#">DHS Rapid and Low-cost DNA Biometrics</a>  <a href="#">Video: Fundamental Operations</a>  <a href="#">Mr. Christopher Miles</a>  Biometrics Program Manager, Science &amp; Technology Human Factors Division, DHS</p> <p align="center">2:20 – 3:00  <b>Rapid DNA Analysis</b>  Co-Presenters:  <a href="#">Dr. Gillian Tully</a>  Head of Research &amp; Development, Forensic Science Service  <a href="#">Dr. Frederic Zenhausern</a>  Professor of Basic Medical Sciences and Director, Center for Applied Nanobioscience and Medicine, University of Arizona College of Medicine</p>	<p align="center"><b>Iris Technology Session</b></p> <p align="center">Moderator:  <a href="#">Dr. James R. Matey</a>  Research Professor, USNA</p> <p align="center">2:00 – 2:20  <a href="#">Superluminescent Illumination: A Solution for Photon Starvation</a>  <a href="#">Mr. Scott Rudder</a>  VP Marketing &amp; Sales, Innovative Photonics</p> <p align="center">2:20 – 2:40  <b>Capturing 6000 Viewpoints with One Shot – Light Field Imaging for Biometrics</b>  <a href="#">Dr. Mark Burge</a>  Senior Principal Scientist, The MITRE Corporation</p> <p align="center">2:40 – 3:00  <a href="#">Panoptes: An Adaptive Approach to Multi-Resolution Imaging</a>  <a href="#">Video1</a>  <b>Dr. Manjunath Somayaji</b>  Department of Electrical Engineering, Southern Methodist University</p>
3:00	<p align="center"><b>Break (East Exhibit Hall)</b></p>		

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<b>3:40</b>	<p><b>DoD Session (cont.)</b></p> <p><a href="#"><u>The Future of Biometrically-enabled Forensics</u></a></p> <p>3:40 – 3:45 <a href="#"><u>Mr. Larry Chelko</u></a> Director, U.S. Army Criminal Investigation Laboratory (USACIL)</p> <p>3:45 – 4:10 <a href="#"><u>Forensics Enabling Biometrics</u></a> <a href="#"><u>Mr. Ken Kroupa</u></a> Program Manager, Defense Forensics, DoD</p> <p>4:10 – 4:35 <a href="#"><u>Dr. Jeff Salyards</u></a> Program Manager, Science &amp; Technology, USACIL</p> <p>4:35 – 5:00 Panel Moderator: <a href="#"><u>Mr. Larry Chelko</u></a> Director, U.S. Army Criminal Investigation Laboratory (USACIL)</p> <p>Panelists: <a href="#"><u>Mr. Ken Kroupa</u></a> Program Manager, Defense Forensics, DoD <a href="#"><u>Dr. Jeff Salyards</u></a> Program Manager, Science &amp; Technology, USACIL</p>	<p><b>Special Rapid DNA Session (cont.)</b></p> <p>3:40 – 4:20</p> <p><a href="#"><u>Rapl.D.™ Forensic DNA Analysis: Fast Sample-to-Answer DNA Analysis for Human Identification</u></a></p> <p>Co-Presenters: <a href="#"><u>Mr. John C. Mears</u></a> Director of Biometric Solutions, IS&amp;GS Civil, Lockheed Martin Corporation <a href="#"><u>Dr. James P. Landers</u></a> Professor of Chemistry, Professor of Mechanical Engineering, and Associate Professor of Pathology, University of Virginia</p> <p>4:20 – 4:40 <b>Vision for Integration of R-DNA</b> <a href="#"><u>Dr. Thomas Callaghan</u></a> Senior Biometric Scientist, FBI Laboratory, FBI</p> <p>4:40 – 5:00 <b>Session Summary</b></p>	<p><b>Iris Technology Session (cont.)</b></p> <p>3:40 – 4:00 <b>Effect of Image Transformations on Iris Recognition: When Bad Things Happen to Good Images</b> <a href="#"><u>Mr. Daniel Bishop</u></a> Doctoral Student, Georgia Institute of Technology</p> <p>4:00 – 4:40 <b>Abstraction and Standardization: Tools for Interoperability</b> Co-Presenters: <a href="#"><u>Dr. Patrick Grother</u></a> Computer Scientist Supervisor, NIST <a href="#"><u>Dr. James R. Matey</u></a> Research Professor, USNA</p> <p>4:40 – 5:00 <b>Q&amp;A Session for All Presentations</b></p>
<b>5:00</b>	<b>Adjourn</b>		

<b>Thursday 23 September</b>			
<b>7:30</b>	<b>Continental Breakfast (Rooms 13 – 16 Foyer)</b>		
<b>8:30</b>	<p align="center"><b>Keynote Speaker – <a href="#">LtGen John R. Allen, USMC</a></b>  <a href="#">Text</a>  Deputy Commander,  U.S. Central Command  <b>Ballroom A</b></p>		
	<b><u>Session Focus</u> DOJ / DHS / DoD / NIST Session 1 - Ballroom A</b>	<b><u>Session Focus</u> BIdS / DNA / GSA / DOT Session 2 - Rooms 15/16</b>	<b><u>Session Focus –</u> Standards / International / Industry / Technology Session 3 - Rooms 13/14</b>
<b>9:00</b>	<p><b>National Institute of Standards and Technology (NIST) Session</b></p> <p>Moderator:  <a href="#">Mr. Michael D. Garris</a>  Computer Scientist Supervisor,  NIST</p> <p><b>Innovation</b>  9:00 – 9:15  <b>Challenge Problems</b>  <a href="#">Dr. Jonathon Philips</a>  Electronics Engineer, NIST</p> <p>9:15 – 9:30  <a href="#">Multi-Factor Authentication Initiatives</a>  <a href="#">Mr. Michael D. Garris</a>  Computer Scientist Supervisor,  NIST</p>	<p><b>General Services Administration (GSA) Session</b></p> <p>9:00 – 9:30  <a href="#">Implementation of Biometric Use Cases for HSPD-12</a>  <a href="#">Mr. David Temoshok</a>  Director, Federal Identity Management, GSA</p>	<p><b>Technology Session</b></p> <p>Moderator:  <a href="#">Mr. Kristopher Schroeder, PMP</a>  Senior Associate,  Booz Allen Hamilton</p> <p>9:00 – 9:30  <a href="#">Can You Trust Your Biometric Authentication System? – An NSA Perspective</a>  <a href="#">Video1</a>  <a href="#">Mr. Greg Ott</a>  Engineer, Sycamore.US, Inc.</p>
<b>9:30</b>	<p><b>Interoperability</b>  9:30 – 9:45  <b>Iris Biometrics in PIV</b>  <a href="#">Dr. Patrick Grother</a>  Computer Scientist Supervisor,  NIST</p> <p>9:45 – 10:00  <a href="#">Many Faces of Iris Quality Iris Quality Calibration and Evaluation (IQCE)</a>  <a href="#">Ms. Elham Tabassi</a>  Electronics Engineer, NIST</p>	<p><b>Department of Transportation (DOT) Session</b></p> <p>Moderator:  <a href="#">Mr. William Baron</a>  Manager, Biometric Programs, DOT</p> <p>9:30 – 9:40  <a href="#">Biometrics in Mobile Environments</a>  <a href="#">Mr. William Baron</a>  Manager, Biometric Programs, DOT</p> <p>9:40 – 10:00  <a href="#">One Size Does Not Fit All – Why Certain Gaps Remain in Biometrics</a>  <a href="#">Mr. Darryl Song</a>  Lead System Developer,  US DOT Volpe Center</p>	<p>9:30 – 10:00  <b>Cyber Signatures and Digital Biometrics</b>  <a href="#">Mr. Ryan Underwood</a>  Associate, Booz Allen Hamilton</p>
<b>10:00</b>	<b>Break (East Exhibit Hall)</b>		

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<b>10:40</b>	<p><b>NIST Session (cont.)</b></p> <p><b>Interoperability (cont.)</b> 10:40 – 10:50 <a href="#"><u>The Impact of the ANSI/NIST-ITL Standard</u></a> <a href="#"><u>Mr. Brad Wing</u></a> Biometrics Standards Coordinator, NIST</p> <p>10:50 – 11:05 <a href="#"><u>Fingerprint Compression</u></a> <a href="#"><u>Mr. Shahram Orandi</u></a> Computer Scientist Supervisor, NIST</p>	<p><b>DOT Session (cont.)</b></p> <p>10:40 – 11:00 <a href="#"><u>Biometric Access Control in the Department of Defense</u></a> <a href="#"><u>Mr. David Coleman</u></a> Functional Analyst, Biometrics Identity Management Agency (BIMA)</p>	<p><b>Technology Session (cont.)</b></p> <p>10:40 – 11:00 <a href="#"><u>Standoff Iris: Proof of Concept Results &amp; Lessons Learned</u></a> <a href="#"><u>Mr. Phil Tusa</u></a> Vice President of Biometric Programs, AOptix</p>
<b>11:00</b>	<p>11:05 – 11:20 <a href="#"><u>Biometric Web Services</u></a> <a href="#"><u>Dr. Ross Micheals</u></a> Computer Scientist Supervisor, NIST</p> <p><b>Performance</b> 11:20 – 11:35 <a href="#"><u>Biometric Usability</u></a> Co-Presenters: <a href="#"><u>Ms. Mary Theofanos</u></a> Computer Scientist, NIST <a href="#"><u>Mr. Brian Stanton</u></a> Social Scientist, NIST</p> <p>11:35 – 11:45 <a href="#"><u>Latent Fingerprints</u></a> <a href="#"><u>Mr. Michael Indovina</u></a> Computer Scientist, NIST</p> <p>11:45 – 12:00 <a href="#"><u>Face Recognition</u></a> <a href="#"><u>Mr. George W. Quinn</u></a> Computer Scientist, NIST</p>	<p><b>Special Topics in Biometrics Session</b></p> <p>Moderator: <a href="#"><u>Dr. Stephen J. Elliot</u></a> Assistant Professor, Purdue University</p> <p>11:00 – 11:20 <a href="#"><u>Accuracy, Throughput and Usability of an AOptix InSight Iris Recognition System</u></a> <a href="#"><u>Dr. Stephen J. Elliot</u></a> Assistant Professor, Purdue University</p> <p>11:20 – 11:40 <a href="#"><u>“You’ll Never Be Me”: 4D Biometrics™</u></a> <a href="#"><u>Dr. Daphna Palti-Wasserman</u></a> CEO, ID-U Biometrics</p>	<p>11:00 – 11:20 <a href="#"><u>Methodology for Evaluating Multi-Biometric Systems</u></a> <a href="#"><u>Mr. Abel Sussman</u></a> Associate, Booz Allen Hamilton</p> <p>11:20 – 11:40 <a href="#"><u>On-Card Biometric Comparison</u></a> <a href="#"><u>Mr. Ketan Mehta</u></a> Lead Associate, Booz Allen Hamilton</p> <p>11:40 – 12:00 <a href="#"><u>Assured Sharing of Biometric Information</u></a> <a href="#"><u>Video1</u></a> <a href="#"><u>Video2</u></a> <a href="#"><u>Video3</u></a> <a href="#"><u>Video4</u></a> <a href="#"><u>Video5</u></a> <a href="#"><u>Mr. Christopher White</u></a> Senior Consultant, Net Centric Security Technologies</p>
<b>12:00</b>	<p><a href="#"><u>Closing Remarks</u></a></p> <p><b>Mr. Jeffrey Dunn, Co-Chair, Biometric Consortium</b> Technical Director for Biometrics, National Security Agency/Research Directorate</p> <p><a href="#"><u>Mr. Fernando Podio, Co-Chair, Biometric Consortium</u></a> Computer Science Division, Information Technology Laboratory, National Institute of Standards and Technology <b>Ballroom A</b></p>		

## Special Sessions and Workshops

Room	Time	Monday 20 September
10	1:30 – 5:30	Reserved
12	1:30 – 5:30	Reserved

Room	Time	Tuesday 21 September
10	3:30 – 5:00	<p><a href="#"><u>The 3 P's of Large Scale ID: Procurement, Policy and Public Relations – Important Aspects of Your ID Management Project</u></a></p> <p>Presenters:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Scott Hastings</b>, Former CIO of the DHS US-VISIT Program</li> <li>• <b>Ms. Cheryl Walker Waldrup</b>, Vice President of Global Marketing, Daon</li> </ul>
12	8:00 – 11:00	Reserved

Room	Time	Wednesday 22 September
10	10:40 – 12:00	<p><b>USNORTHCOM Biometrics &amp; Identity Management – Interagency &amp; International Challenges</b></p> <p>Presenters:</p> <ul style="list-style-type: none"> <li>• <a href="#"><u>LTC Joe Lopez, USA</u></a>, Risk Management/Identity Management Branch Chief, USNORTHCOM</li> <li>• <b>Mr. Michael Stone</b>, USNORTHCOM J34 Biometrics</li> <li>• <b>Mr. Patrick F. Clancey</b>, Biometrics Identity Management Agency, Enterprise Engagement Branch, HQDA G3/5/7 Contractor, Booz Allen Hamilton</li> </ul>
10	2:00 – 3:30	<p><b>Behavioral Biometrics in the Cyberspace – Present and Future</b></p> <p>Moderator:</p> <ul style="list-style-type: none"> <li>• <a href="#"><u>Mr. Kristopher Schroeder, PMP</u></a>, Senior Associate, Booz Allen Hamilton</li> </ul> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• <b>Dr. Vir Phoha</b>, Louisiana Tech University</li> <li>• <b>Dr. Bojan Cukic</b>, West Virginia University</li> <li>• <a href="#"><u>Dr. Stephanie Schuckers</u></a>, Associate Professor, Department of Electrical and Computer Engineering, Clarkson University</li> </ul>
10	3:40 – 4:40	<p><b>IEEE CBP – How and Why to Get Certified as a Biometrics Professional</b></p> <p>Presenter:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Richard Ringold</b>, IEEE CBP Program, Vice President, Holmes Corporation</li> </ul>
11	10:40 – 12:00	<p><b>Next Generation Privacy Enhancing Biometric Technologies</b></p> <p>Moderator:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Russ Ryan</b>, Vice President, National Biometric Security Project</li> </ul> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Samir Nanavati</b>, Partner, International Biometric Group</li> <li>• <b>Dr. Jim Wayman</b>, Former Director, National Biometric Test Center, San Jose State University</li> <li>• <a href="#"><u>Dr. Terrance Boulton</u></a>, El Pomar Endowed Chair of Innovation and Security and Professor of Computer Science, University of Colorado at Colorado Springs &amp; CEO/CTO, Securics Inc</li> <li>• <b>Mr. Matthew Ennis</b>, CEO, Monsoon Road, LLC</li> <li>• <b>Mr. Justin Smith</b>, Director, Technical Operations, Biometric Services International</li> </ul>
11	2:00 – 3:30	<p><b>Biometric Testing and the Emergence of Biometric Laboratory Certification – One Year Later</b></p> <p>Moderator:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Russ Ryan</b>, Vice President, National Biometric Security Project</li> </ul> <p>Panelists:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Brad Moore</b>, NVLAP Program Manager, NIST</li> <li>• <b>Mr. Michael Thieme</b>, Director of Special Projects, International Biometric Group</li> <li>• <b>Mr. M. Paul Collier</b>, President, ID Technology Partners</li> <li>• <b>Mr. Justin Smith</b>, Director, Technical Operations, Biometric Services International</li> <li>• <a href="#"><u>Mr. Gerald Thames</u></a>, Executive Advisor, Booz Allen Hamilton</li> </ul>

Room	Time	Wednesday 22 September
12	9:00 – 11:00	Reserved
36	12:00 – 1:30	Reserved

Room	Time	Thursday 23 September
10	1:30 – 5:30	Reserved
11	1:00 – 4:00	<b>Biometrics Training Way Ahead</b> Presenters: <ul style="list-style-type: none"> <li>• <b>Lt Col Thomas Pratt, USMC</b>, Biometrics Identity Management Agency (BIMA)</li> <li>• <b>Mr. Michael Kershner</b>, Special Advisor, Operations, Biometrics Identity Management Agency (BIMA)</li> </ul>
12	8:30 – 12:00	Reserved