

## PRELIMINARY PROGRAM

### Keynote Speakers:

**Dr. Eric Haseltine**, Associate Director of National Intelligence for Science and Technology  
**Ms. Michele Weslander**, Principal Deputy Associate Director of National Intelligence and Deputy Chief Information Officer  
**Ms. Cita Furlani**, Director, Information Technology Laboratory, National Institute of Standards and Technology  
**Mr. Robert V. LaPenta**, Chairman of the Board and Chief Executive Officer, L-1 Identity Solutions

### Featured Speaker:

**Lieutenant General James J. Lovelace**, United States Army, Deputy Chief of Staff, G-3/5/7 *(Invited)*  
*Biometrics Task Force Session*  
*Wednesday, September 20 – 8:30 am*

| Tuesday, September 19, 2006 |         |  |   |  |
|-----------------------------|---------|--|---|--|
|                             | Time:   | Session Focus -<br>US Government<br>Session I – RM. 307/308  | Session Focus -<br>Research/Educational<br>Session II – RM. 309 | Session Focus -<br>International/Industry<br>Session III – RM. 310 |
|                             | 7:30 am | Continental Breakfast  |   |  |
|                             | 8:30 am | <p style="margin: 0;"><b>Welcome</b></p> <p style="margin: 0;"><b>Conference Co-Chairs Welcome</b></p> <p style="margin: 0;"> <b>Mr. Jeffrey Dunn</b>, Technical Director for Biometrics, National Security Agency/Research Directorate<br/> <b>Mr. Fernando Podio</b>, Computer Security Division, Information Technology Laboratory, National Institute of Standards and Technology                 </p> |   |  |

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|--|----------------|---|--|--|
|  | <b>8:40 am</b> | <p><b>Executive Office the President of the United States, National Science &amp; Technology Council, Subcommittee on Biometrics Session</b></p> <p>Moderator: Mr. Duane Blackburn, Co-Chair National Science &amp; Technology Council Subcommittee on Biometrics and NSTC Agency Representative, Office of Science and Technology Policy</p> <p><b>“Taking Today’s Biometrics to Meet Tomorrow’s Needs - Meeting the Challenge Together”</b>, Mr. Duane Blackburn, Co-Chair National Science &amp; Technology Council Subcommittee on Biometrics and NSTC Agency Representative, Office of Science &amp; Technology Policy, Mr. Chris Miles, Co-Chair National Science &amp; Technology Council Subcommittee on Biometrics and Senior Program Manager, U.S. DOJ National Institute of Justice, and Mr. Brad Wing, Co-Chair National Science &amp; Technology Council Subcommittee on Biometrics and Biometrics Systems and Standards Coordinator, U.S. Department of Homeland Security</p> | <p style="text-align: center;"><b>Research Symposium</b></p> <p style="text-align: center;">Moderators:<br/>Dr. Lawrence Hornak, Professor, West Virginia University, CITeR</p> <p style="text-align: center;">Dr. Anil Jain, University Distinguished Professor, Michigan State University</p> <p style="text-align: center;">8:40 – 9:00</p> <p style="text-align: center;"><b>“Gait Recognition Through MPCA Plus LDA”</b>, Dr. Kostas Plataniotis, University of Toronto</p> | <p style="text-align: center;"><b>Biometrics Overview Session</b></p> <p style="text-align: center;"><b>“Introduction to Biometrics”</b><br/>Mr. Peter Higgins, Principal Consultant, Higgins-Hermansen Group, LLC</p> |

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|----------------|--|---|---|---|
| <b>9:00 am</b> |  | <b>A) “Introductory Remarks”</b> , Mr. Duane Blackburn, Co-Chair National Science & Technology Council Subcommittee on Biometrics and NSTC Agency Representative, Office of Science & Technology Policy                       | 9:00 – 9:20<br><b>“Toward a human-like Similarity Measure for Face Recognition”</b> , Dr. Behrooz Kamgar-Parsi, Naval Research Laboratory     | <b>Biometrics Overview Session (con’t)</b><br><br><b>“Introduction to Biometrics”</b> |
| <b>9:20 am</b> |  | <b>B) “Technical Activities and Needs”</b> , Mr. Chris Miles, Co-Chair National Science & Technology Council Subcommittee on Biometrics and Senior Program Manager, U.S. Department of Justice, National Institute of Justice | 9:20 - 9:40<br><b>“Multi-level Liveness Verification for face-voice Biometric Authentication”</b> , Ms. Girija Chetty, University of Canberra |   |

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| 9:40 am  | <p><b>C) “Applications Successes and Future Issues”</b>, Mr. Brad Wing, Co-Chair National Science &amp; Technology Council Subcommittee on Biometrics and Biometrics Systems and Standards Coordinator, U.S. Department of Homeland Security</p> | <p style="text-align: center;">9:40 – 10:00</p> <p><b>“Multispectral Fusion for Indoor and Outdoor Face Authentication”</b>, Dr. Bisma Abidi, University of Tennessee, Knoxville</p> | <p><b>Biometrics Overview Session (con’t)</b></p> <p style="text-align: center;"><b>“Introduction to Biometrics”</b></p> |  |
| 10:00 am | 30 Minute Break  |  |  |  |

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| 10:30 am | <p>Executive Office the President of the United States, National Science &amp; Technology Council, Subcommittee on Biometrics Session (con't)</p> <p>D) “Communications, Privacy and The National Biometrics Challenge”, Mr. Duane Blackburn, Co-Chair National Science &amp; Technology Council Subcommittee on Biometrics and NSTC Agency Representative, Office of Science &amp; Technology Policy</p> | <p style="text-align: center;"><b>Research Symposium (cont.)</b></p> <p style="text-align: center;">10:30 – 10:50</p> <p style="text-align: center;"><b>“Quality Assessment of Facial Images”</b>,<br/>Dr. Rein-Lien Vincent Hsu,<br/>Identix, Inc.</p> <p style="text-align: center;">10:50 – 11:30</p> <p style="text-align: center;"><b>Panel – “Advanced Face Recognition Workshop”</b><br/>Moderator: Dr. Sankar Basu, National Science Foundation</p> <p style="text-align: center;">Panelists:<br/>Dr. Rama Chellappa, University of Maryland College Park<br/>Mr. Patrick Grother, NIST<br/>Dr. B. V. K. Vijaya Kumar, Carnegie Mellon University</p> | <p style="text-align: center;"><b>Biometrics Overview Session (con't)</b></p> <p style="text-align: center;"><b>“Introduction to Biometrics”</b><br/>Mr. Peter Higgins, Principal Consultant,<br/>Higgins-Hermansen Group, LLC</p> |
| 11:30 am | <p><b>Keynote</b></p> <p><b>Mr. Robert V. LaPenta</b><br/>Chairman of the Board and Chief Executive Officer<br/>L-1 Identity Solutions</p> <p><b>“Coming of Age of the Biometric Industry in an Uncertain World”</b></p>  |   |  |
| 12:00 pm | <p><b>Lunch</b><br/><b>90 Minutes</b></p>   |   |  |

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| 1:30 pm | <b>Keynote</b><br><br><b>Ms. Cita Furlani</b><br>Director, Information Technology Laboratory<br>National Institute of Standards and Technology   |  |   |
| 2:00 pm | <p style="text-align: center;"><b>National Institute of Standards and Technology Session</b></p> <p>Moderator: Dr. Martin Herman, Chief, Information Access Division, Information Technology Laboratory, National Institute of Standards and Technology (NIST/ITL)</p> <p style="text-align: center;"><b>“Testing of Biometric Hardware and Software Products for the Personal Identity Verification of Federal Employees and Contractors (PIV) Program”</b>, Ms. Mary Mitchell, Deputy Associate Administrator for E-Government and Technology, General Services Administration and Mr. William MacGregor, NIST PIV Program Manager, Computer Security Division, NIST/ITL</p> <p style="text-align: center;"><b>PIV Q&amp;A</b></p> | <p style="text-align: center;"><b>Research Symposium (cont.)</b></p> <p style="text-align: center;">2:00 – 2:20</p> <p style="text-align: center;"><b>“Measuring Biometric Sample Quality in Terms of Biometric Information”</b>, Dr. Andy Adler, University of Ottawa</p> | <p style="text-align: center;"><b>Privacy and Policy Session</b></p> <p>Moderator: Mr. Peter Sand, J.D., CIPP/G, Director of Privacy Technology, The Privacy Office, U.S. Department of Homeland Security</p> <p style="text-align: center;"><b>“Privacy and Policy Panel Overview”</b>, Mr. Peter Sand, J.D., CIPP/G, Director of Privacy Technology, The Privacy Office, U.S. Department of Homeland Security</p> |

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|---------|--|--|---|
| 2:30 pm | <p><b>National Institute of Standards and Technology Session (con't)</b></p> <p><b>"Minutia Interoperability Exchange (MINEX) Tests"</b>, Mr. Patrick Grother, Scientist, Information Access Division, NIST/ITL</p>  | <p style="text-align: center;">2:20 – 2:40</p> <p><b>"Attestation-based Remote Biometric Authentication"</b>, Mr. Thomas Polon, Clemson University</p>                 | <p><b>Privacy and Policy Session (con't)</b></p> <p><b>"Legal Considerations Related to Biometrics"</b>, Mr. Brandon Schneider, Esq., Senior Legal/Policy Consultant, Biometrics Task Force</p> |
| 2:45 pm | <p><b>"NIST's Development of Conformance Test Suites for Biometric Interfaces"</b>, Mr. Mark Jerde, Chief Technical Officer &amp; Partner, Identification Technology Partners, Inc. (CSD NIST/ITL support contractor), Ms. Yooyoung Lee, Guest Researcher, Computer Security Division, NIST/ITL and Mr. Fernando Podio, Computer Security Division, NIST/ITL</p> | <p style="text-align: center;">2:40 – 3:00</p> <p><b>"Using Biometric Verification to Estimate Identification Performance"</b>, Mr. Jens Peter Hube, Identix, Inc.</p> | <p><b>"Privacy and Biometrics"</b>, Mr. Ari Schwartz, Deputy Director, The Center for Democracy and Technology</p>  |
| 3:00 pm | <b>30 Minute Break</b>   |  |   |

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|----------------|--|--|---|--|
| <b>3:30 pm</b> |  | <p><b>National Institute of Standards and Technology Session (con't)</b></p> <p><b>"ANSI/NIST Fingerprint Standards Update"</b>, Mr. Mike McCabe, Computer Scientist, Information Access Division, NIST/ITL</p> <p><b>"FRVT and ICE"</b>, Dr. Jonathon Phillips, Electronics Engineer, Information Access Division, NIST/ITL</p> | <p style="text-align: center;"><b>Research Symposium (con't)</b></p> <p style="text-align: center;"><b>Poster Session:<br/>Room 314</b></p> | <p><b>Commercial Biometric Solutions Panel</b></p> <p>Moderator: Mr. Oscar (Oz) Pieper, Chief Executive Officer, Advisory Board</p> <p><b>"Expanding Commercial Use of Biometrics"</b>, Mr. Oscar (Oz) Pieper, Chief Executive Officer, Advisory Board</p> <p><b>"Financial Institutions Use of Biometric Solutions"</b>, Mr. Bill Wipprecht, Chief Security Officer, Wells Fargo Bank</p> |
| <b>4:10 pm</b> |  | <p><b>"Biometric Usability Studies"</b>, Ms. Mary Theofanos, Computer Scientist and Mr. Shahram Orandi, Principal, Mitretek Systems</p> <p><b>"When to Fuse Two Biometrics"</b>, Ms. Elham Tabassi, Staff Scientist, Information Access Division, NIST/ITL</p>   |   | <p><b>"Retail and Consumer Biometric Adoption"</b>, Mr. Ajay Amlani, Vice President, Strategy, Pay By Touch</p> <p><b>"Growing and Future Use of Cell Phones in Payments"</b>, Mr. F. Scott Moody, President &amp; Chief Executive Officer, Authentec</p>  |

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|                             | 4:45 pm                 | <b>National Institute of Standards and Technology Session (con't)</b><br><br><b>"NIST Studies of Biometric Fusion"</b> , Mr. Austin Hicklin, Senior Principal, Mitretek Systems | <b>Research Symposium (con't)</b><br><br><b>Poster Session:</b><br>Room 314 | <b>Commercial Biometric Solutions Panel (con't)</b><br><br><b>"Biometrics for Logical and Physical Access"</b> , Mr. Robert Williams, Chief Executive Officer, Bioscrypt Inc.<br><br><b>"Advanced 3D Face Recognition for Secured Access Control"</b> , Ms. Kelly Richdale, Senior Vice President, A4Vision |
|                             | 5:00 pm                 | <b>Adjourn</b>  |   |   |
|                             | 5:00 pm<br>-<br>6:30 pm | <b>Reception at the 2006 Biometrics Technology Expo in Exhibit Hall D</b>   |   |   |

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| 7:30 am                       | Continental Breakfast   |   |  |
| 8:30 am                       | <p style="text-align: center;"><b>Biometrics Task Force Session</b></p> <p style="text-align: center;">Moderator: Ms. Michele Lang, Director,<br/>Biometrics Task Force</p> <p style="text-align: center;">“Welcome Remarks”, Ms. Michele Lang,<br/>Director, Biometrics Task Force</p> <p style="text-align: center;"><b>FEATURED SPEAKER</b></p> <p style="text-align: center;">"Big Picture and Roadmap for Biometrics<br/>in DoD", Lieutenant General James J.<br/>Lovell, United States Army, Deputy Chief<br/>of Staff, G-3/5/7 (Invited)</p> | <p style="text-align: center;"><b>Research Symposium (cont.)</b></p> <p style="text-align: center;">8:30 – 9:10</p> <p style="text-align: center;">Dr. Tieniu Tan, Director, National<br/>Laboratory of Pattern Recognition,<br/>Beijing, China</p> | <p style="text-align: center;"><b>Biometric Standards - Development,<br/>Status, and Adoption Session</b></p> <p style="text-align: center;">Moderator: Mr. Fernando Podio,<br/>Computer Security Division, NIST/ITL<br/>and Technology, Co-Chair, Biometric<br/>Consortium</p> <p style="text-align: center;">“Session Overview”, Mr. Fernando<br/>Podio, Computer Security Division,<br/>NIST/ITL, Co-Chair, Biometric<br/>Consortium</p> <p style="text-align: center;">“Status and Deployment of<br/>Biometric Standards”, Dr. James<br/>Cambier, INCITS M1.3 Vice Chair</p> |

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|--|----------------|---|---|--|
|  | <b>9:00 am</b> | <p><b>Biometrics Task Force Session Session</b><br/>(con't)</p> <p><b>"Biometrics Task Force: Policy &amp; Legal Overview"</b>, Mr. Brandon Schneider, Esq., Senior Legal/Policy Consultant, Biometrics Task Force and Mr. Christopher Anastasio, Policy Analyst, Ideal Innovations, Inc.</p> | <p style="text-align: center;">9:10 – 9:30</p> <p><b>"3D Touchless Fingerprints: Compatibility with Legacy Rolled Images"</b>, Ms. Yi Chen, Michigan State University</p> | <p><b>Biometric Performance Testing and Reporting Standards Panel (National and international standards approved or under development)</b></p> <p>Moderator: Mr. John Neumann, Special Consultant on Biometric Standards, U.S. Department of Homeland Security</p> <p><b>"Introduction to Panel on Biometric Performance Testing and Reporting"</b>, Mr. John Neumann, Special Consultant on Biometric Standards, U.S. Department of Homeland Security</p> <p><b>"ISO/IEC 19795 - Part 1: Principles and Framework"</b>, Dr. Tony Mansfield, UK's National Physics Lab and Dr. James Wayman, SETA Contractor, US Government, Technical Support Working Group/ Combating Terrorism Technical Support Office</p> |

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| 9:30 am  | <p><b>Biometrics Task Force Session</b> Session (con't)</p> <p><b>"Requirements for Identity Dominance - Enhancing Military Operations Using Biometrics Technologies"</b>, LTC Troy Techau, CENTCOM Biometric Operations, United States Central Command</p> | <p><b>Research Symposium</b> (cont.)</p> <p style="text-align: center;">9:30 – 9:50</p> <p><b>"Minutiae-based Structures for a Fuzzy Vault"</b>, Ms. Arathi Arakala, Royal Melbourne Institute of Technology</p>               | <p><b>Biometric Performance Testing and Reporting Standards Panel</b> (cont')</p> <p><b>"ISO/IEC 19795 Part 2: Testing Methodologies for Technology and Scenario Evaluations"</b>, Mr. Michael Thieme, Director of Special Projects, International Biometric Group</p> <p><b>"ISO/IEC 19795-4 Interoperability Performance Testing"</b>, Mr. Patrick Grother, Scientist, Information Access Division, NIST/ITL</p> |
| 10:00 am | <b>30 Minute Break</b>  |  |  |
| 10:30 am | <p><b>Biometrics Task Force Session</b> (con't)</p> <p><b>"Enterprise Joint Urgent Operational Needs Statement - Integrating Biometrics to the Warfighter"</b>, COL Steve Bristow, PM DoD Biometrics</p>  | <p><b>Research Symposium</b> (cont.)</p> <p style="text-align: center;">10:30 – 10:50</p> <p><b>"A Robust Iris Segmentation Procedure for Unconstrained Subject Presentation"</b>, Mr. Jinyu Zuo, West Virginia University</p> | <p><b>Biometric Performance Testing and Reporting Standards Panel</b> (National and international standards approved or under development) (con't)</p> <p><b>"Operational Testing Methodology Standards"</b>, Mr. Rick Lazarick, Chief Scientist, GSS Identity Labs, Computer Sciences Corporation</p>   |

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| 11:00 am | <p>Biometrics Task Force Session (con't)</p> <p><b>"Expeditionary Biometrics in the Maritime Domain"</b>, Mr. John Boyd,<br/>Project Manager, OPNAV N867, United States Navy</p> | <p>Research Symposium (cont.)</p> <p style="text-align: center;">10:50 – 11:10</p> <p><b>"Robust Fake Iris Detection Based on Variation of the Reflectance Ratio Between the Sclera and the Iris"</b>, Dr. Kang Ryoung Park, Sangmyung University</p> | <p><b>Biometric Performance Testing and Reporting Standards Panel</b>(con't)</p> <p><b>"Framework for Biometric Device Performance Evaluation for Access Control Standards"</b>, Mr. Rick Lazarick, Chief Scientist, GSS Identity Labs, Computer Sciences Corporation</p> <p><b>"Biometric Performance Testing and Reporting Standards Panel Q&amp;A"</b></p> |
| 11:20 am | <p><b>"Closing Remarks"</b>, Ms. Michele Lang,<br/>Director, Biometrics Task Force</p>   | <p style="text-align: center;">11:10 – 11:30</p> <p><b>"Segmentation of Non-ideal Irises Using Geodesic Active Contours"</b>, Dr. Arun Ross, West Virginia University</p>   | <p><b>Biometric Standards – Development, Status, and Adoption Session</b> (con't)</p> <p><b>"Standards for Speaker Verification and Identification (SIV)"</b>, Dr. Judith Markowitz, President, VoiceXML Forum and J. Markowitz Consultants (co-authored by Kenneth Rehor, VoiceXML Forum)</p>  |
| 11:30 am | <p><b>Keynote</b><br/><b>Dr. Eric Haseltine</b><br/>Associate Director of National Intelligence for Science and Technology</p>   |   |   |
| 12:00 pm | <p><b>Lunch</b><br/><b>90 Minutes</b></p>  |   |   |

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|--|----------------|--|--|--|
|  | <b>1:30 pm</b> | <p style="text-align: center;"><b>Department of Transportation Session</b></p> <p style="text-align: center;">Moderator: Mr. Jim Zok, Associate Administrator, Maritime Administration, U.S. Department of Transportation</p> <p><b>"Authenticating Passengers While Inside Moving Vehicles"</b>, Mr. William Baron, Senior Program Manager, Volpe National Transportation Systems Center, U.S. Department of Transportation</p> <p><b>Biometric Opportunities and Challenges in Transportation</b>", Mr. Michael Dinning, Executive Director of Business Development, Volpe National Transportation Systems Center, U.S. Department of Transportation</p> <p><b>"SOCP Mariner Administrative Card Project"</b>, Mr. Todd Ripley, Research and Development Coordinator, Maritime Administration, U.S. Department of Transportation</p> | <p style="text-align: center;"><b>Multimodal Biometric and Video Tracking Session</b></p> <p style="text-align: center;">Moderator: Mr. Donald Waymire, Senior Associate, Booz Allen Hamilton</p> <p style="text-align: center;"><b>"Opening Remarks"</b>, Mr. Donald Waymire, Senior Associate, Booz Allen Hamilton</p> <p style="text-align: center;"><b>"Integrating Multimodal Biometrics within the FBI"</b>, Mr. B. Scott Swann, Supervisory IT Specialist - Software Engineer, U.S. Department of Justice, Federal Bureau of Investigation Criminal Justice Information Services Division</p> | <p style="text-align: center;"><b>Biometric Standards – Development, Status, and Adoption Session (con't)</b></p> <p style="text-align: center;">Moderator: Mr. Fernando Podio, Computer Security Division, NIST/ITL, Co-Chair, Biometric Consortium</p> <p style="text-align: center;"><b>"Biometric Conformance Testing Methodology Standards"</b>, Mr. Michael D. Hogan, Standards Liaison, NIST/ITL and Technology and Mr. Gregory Zektser, Associate, Booz Allen Hamilton</p> |

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| 2:00 pm | <p><b>Department of Homeland Security Session</b></p> <p>Moderator: Mr. Brad Wing, Biometrics Systems and Standards Coordinator, U.S. Department of Homeland Security</p> <p><b>"DHS Biometrics Coordination Group"</b>, Mr. Brad Wing, Biometrics Systems and Standards Coordinator, U.S. Department of Homeland Security</p> | <p><b>Multimodal Biometric and Video Tracking Session (con't)</b></p> <p><b>"Integrator Perspective on Multimodal Biometric Systems"</b>, Mr. Robert Carter, Senior Staff Software Engineer, Lockheed Martin</p> | <p><b>Biometrics in E-Authentication Panel</b></p> <p>Moderator: Mrs. Cathy Tilton, Vice President, Standards &amp; Emerging Technology, Daon, Chair, INCITS M1.4 Ad-Hoc Group on Biometrics and E-Authentication</p>  |
| 2:20 pm | <p><b>" FBI IAFIS and DHS IDENT Interoperability"</b>, Mr. Neal Latta, IDENT Program Manager, U.S. Department of Homeland Security US-VISIT</p>  | <p><b>"Fusion of Multimodal Biometrics"</b>, Mr. Rick Lazarick, Chief Scientist, GSS Identity Labs, Computer Sciences Corporation</p>  | <p><b>"Overview"</b>, Mrs. Cathy Tilton, Vice President, Standards &amp; Emerging Technology, Daon, Chair, INCITS M1.4 Ad-Hoc Group on Biometrics and E-Authentication</p> <p><b>"Concepts &amp; Architectures"</b>, Mr. Colin Soutar, Chief Technology Officer, Bioscrypt Inc.</p>  |
| 2:40 pm | <p><b>"DHS Case Study - Asylum"</b>, Mr. Neal Latta, IDENT Program Manager, U.S. Department of Homeland Security US-VISIT</p>  | <p><b>"Iris Recognition: On the Move, At A Distance and Related Technologies"</b>, Dr. James R. Matey, Distinguished Member of Technical Staff, Sarnoff Corporation</p>  | <p><b>"The Challenge of Biometrics for Remote Authentication"</b>, Mr. William Burr, Manager, Security Technology Group, Computer Security Division, NIST/ITL</p> <p style="text-align: center;"><b>"Issues"</b></p> <p>a) <b>"Biometric Compromise and Revocation"</b>, Dr. James Cambier, INCITS M1.3 Vice Chair</p> <p>b) <b>"Vulnerabilities of Biometric Technologies"</b>, Mr. Victor Lee, Senior Consultant, International Biometrics Group</p> |

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| Time:   | Session Focus -<br>US Government<br>Session I – RM. 307/308   | Session Focus -<br>Research/Educational<br>Session II – RM. 309  | Session Focus -<br>International/Industry<br>Session III – RM. 310  |
| 3:00 pm | 30 Minute Break   |  |   |
| 3:30 pm | <p><b>Department of Homeland Security Session (con't)</b></p> <p><b>"TSA Registered Traveler"</b>, Mr. John I. Martinez, Deputy Director, Registered Traveler, U.S. Department of Homeland Security and Mr. Conor White, Chief Technology Officer, Daon</p> | <p><b>ID Management and Other Biometric Applications Session</b></p> <p>Moderator: Mr. Samir Nanavati, Partner, International Biometric Group</p>                      | <p><b>Biometrics in E-Authentication Panel (con't)</b></p> <p><b>"Issues"</b> (con't)</p> <p>c) <b>"Equating Biometric Entropy"</b>, Mr. Matthew Young, Graduate Research Assistant, Purdue University</p> <p>d) <b>"Measuring the True Strength of Biometric Systems"</b>, Mr. Ron Sutton, TWIC Phase III Technical Lead, BearingPoint</p> |
| 3:40 pm | <p><b>"TSA Registered Traveler"</b>, Mr. John I. Martinez, Deputy Director and Mr. Conor White, Chief Technology Officer, Daon</p>  | <p><b>"Principles of Identity Management for ePassports and Border Control"</b>, Mr. Mohamed Lazzouni, Chief Technology Officer and Senior Vice President, Viisage</p> | <p>e) <b>"Integrity v Secrecy"</b>, Mr. Colin Soutar, Chief Technology Officer, Bioscrypt Inc.</p> <p>f) <b>"The Use of Behavioral Biometrics"</b>, Mr. Rod Beatson, President, Transaction Security, Inc.</p>  |

## PRELIMINARY PROGRAM

Wednesday, September 20, 2006

|  |                | <b>Session Focus -<br/>US Government<br/>Session I – RM. 307/308</b>  | <b>Session Focus -<br/>Research/Educational<br/>Session II – RM. 309</b>  | <b>Session Focus -<br/>International/Industry<br/>Session III – RM. 310</b>   |
|--|----------------|---|---|---|
|  | <b>4:00 pm</b> | <b>Department of Homeland Security Session (con't)</b><br><br><b>“DHS/NIJ Iris Recognition Study”</b> , Ms. Valerie Lively, Acting, Access Control Technology Lead, U.S. Department of Homeland Security and Dr. Valorie Valencia, Chief Executive Officer, Authenti-Corp | <b>ID Management and Other Biometric Applications Session (con't)</b><br><br><b>“Identity Management and Other Biometric Applications”</b> , Ms. Shirley Ann Stern, Senior Principal Security Program Manager, Oracle Global Product Security | <b>Biometrics in E-Authentication Panel (con't)</b><br><br>g) <b>“Peer Review”</b> , Mr. Jim Kottas, Director of Engineering, Viisage<br><br><b>“Threat Model”</b> , Mrs. Cathy Tilton, Vice President, Standards & Emerging Technology, Daon, Chair, INCITS M1.4 Ad-Hoc Group on Biometrics and E-Authentication |
|  | <b>4:20 pm</b> |   | <b>“Challenges and Successes in Seamless Identity Management Solutions”</b> , Mr. Darrin J. Reilly, MCEI Vice President & General Manager, Motorola Biometrics  | <b>“ACBio and E-Authentication”</b> , Mr. Fred Herr, Director of Special Projects, Identification Technology Partners   |

## PRELIMINARY PROGRAM

Wednesday, September 20, 2006

|         | Wednesday, September 20, 2006  |  |   |  |
|---------|--|--|---|--|
| Time:   | Session Focus -<br>US Government<br>Session I – RM. 307/308  | Session Focus -<br>Research/Educational<br>Session II – RM. 309  | Session Focus -<br>International/Industry<br>Session III – RM. 310  |  |
| 4:30 pm | <p style="text-align: center;"><b>Department of Homeland Security Session (con't)</b></p> <p style="text-align: center;"><b>“TSA’s Transportation Worker Identification Credential (TWIC)”</b>, Ms. Maurine Fanguy, Program Director, Transportation Worker Identification Credential (TWIC), Transportation Security Administration, U.S. Department of Homeland Security and Mr. John Schwartz, Assistant Director, Transportation Worker Identification Credential (TWIC), Transportation Security Administration, U.S. Department of Homeland Security and Mr. Ron Sutton, TWIC Phase III Technical Lead, BearingPoint</p> | <p style="text-align: center;"><b>ID Management and Other Biometric Applications Session (con't)</b></p> | <p style="text-align: center;"><b>Biometrics in E-Authentication Panel (con't)</b></p> <p style="text-align: center;"><b>“(Preliminary) Recommendations”</b>, Mrs. Cathy Tilton, Vice President, Standards &amp; Emerging Technology, Daon, Chair, INCITS M1.4 Ad-Hoc Group on Biometrics and E-Authentication</p> <p style="text-align: center;">Vice President, Standards &amp; Emerging Technology, Daon, Chair, INCITS M1.4 Ad-Hoc Group on Biometrics and E-Authentication</p> |  |
| 5:00 pm | <b>Adjourn</b>   |  |   |  |

## PRELIMINARY PROGRAM

| Thursday, September 21, 2006 |  |   |   |
|------------------------------|--|---|---|
| Time:                        | Session Focus -<br>US Government<br>Session I – RM. 307/308  | Session Focus -<br>Research/Educational<br>Session II – RM. 309   | Session Focus -<br>International/Industry<br>Session III – RM. 310  |
| 7:30 am                      | Continental Breakfast  |   |   |
| 8:30 am                      | <b>Keynote</b><br><br>Ms. Michele Weslander<br><b>Principal Deputy Associate Director of National Intelligence and Deputy Chief Information Officer</b><br>Department of Justice Session   |   |   |
| 9:00 am                      | <p>Moderator: Mr. Chris Miles, Senior Program Manager, U.S. Department of Justice, National Institute of Justice</p> <p><b>"DOJ Biometrics Research and Development Projects Update and 2007 Solicitation"</b>, Mr. Chris Miles, Senior Program Manager, U.S. Department of Justice, National Institute of Justice</p> <p><b>"Biometrics in Criminal History Screening - The Attorney General's Report on Criminal History Background Checks"</b>, Mr. Frank A. S. Campbell, Deputy Assistant Attorney General, Office of Legal Policy, U.S. Department of Justice</p> | <p><b>International Biometrics Industry Association (IBIA) Session</b></p> <p><b>Biometric Issues Forum</b></p> <p>Moderator: Mr. Walter Hamilton, Chairman, International Biometrics Industry Association</p> <p><b>"Session Overview"</b>, Mr. Walter Hamilton, Chairman, International Biometrics Industry Association</p> | <p>Moderator: Mrs. Cathy Tilton, Vice President, Standards &amp; Emerging Technology, Daon, Chair, INCITS M1.4 Ad-Hoc Group on Biometrics and E-Authentication</p> <p><b>"Why Biometrics People Should Care About SOA &amp; Web Services"</b>, Mr. Peter Roden, Director of Technology Development, OASIS</p> |
| 9:20 am                      | <p><b>"FBI Next Generation Identification (NGI) Update"</b>, Mr. John Manzo, Supervisory Management Analyst, U.S. Department of Justice, Federal Bureau of Investigation Criminal Justice Information Services Division</p>  | <p><b>"Investing in the Biometric Sector – A Banker's Perspective"</b>, Mr. Orlando Knauss, Director, Investment Banking, Credit Suisse, LLC</p>  | <p><b>"The BIAS Project - Biometric Identity Assurance Services"</b>, Mr. Matt Swayze, Senior Architect, Daon and Mrs. Cathy Tilton, Vice President, Standards &amp; Emerging Technology, Daon</p>  |

## PRELIMINARY PROGRAM

Thursday, September 21, 2006

| Time:    | Session Focus -<br>US Government<br>Session I – RM. 307/308  | Session Focus -<br>Research/Educational<br>Session II – RM. 309  | Session Focus -<br>International/Industry<br>Session III – RM. 310  |
|----------|--|--|---|
| 9:40 am  | <p style="text-align: center;"><b>Department of Justice Session (con't)</b></p> <p style="text-align: center;"><b>"FBI Single Fingerprint Scanner Certification Program"</b>, Mr. Tom Hopper, Senior Computer Engineer, U.S. Department of Justice, Federal Bureau of Investigation Criminal Justice Information Services Division</p>   | <p style="text-align: center;"><b>International Biometrics Industry Association (IBIA) Session (con't)</b></p> <p style="text-align: center;"><b>"Biometrics, Contactless Cards and FIPS 201"</b>, Mr. Colin Soutar, Chief Technology Officer, Bioscrypt Inc.</p>                | <p style="text-align: center;"><b>Biometrics, XML, and Web Services (con't)</b></p> <p style="text-align: center;"><b>Q &amp; A</b></p>   |
| 10:00 am | <b>30 Minute Break</b>   |  |   |
| 10:30 am | <p style="text-align: center;"><b>Advanced Biometric Technologies</b></p> <p style="text-align: center;">Moderator: Dr. Michael C. King, Senior Engineer and Biometrics Program Manager, Intelligence Technology Innovation Center (ITIC)</p> <p style="text-align: center;"><b>"Robust Fingerprint Acquisition"</b>, Dr. Rob Rowe, Chief Technical Officer and Vice President, Lumidigm</p> | <p style="text-align: center;"><b>International Biometrics Industry Association (IBIA) Session (con't)</b></p> <p style="text-align: center;"><b>"Confronting Biometric Detractors"</b>, Dr. Robert D. Atkinson, President, Information Technology and Innovation Foundation</p> | <p style="text-align: center;"><b>Biometrics, XML, and Web Services (con't)</b></p> <p style="text-align: center;"><b>"XML in Justice Applications"</b>, Mr. Patrice Yuh, IT Specialist, U.S. Department of Justice, Federal Bureau of Investigation Criminal Justice Information Services Division</p> |
| 11:00 am | <p style="text-align: center;"><b>"Robust Iris Segmentation Technique for Stand-off Iris Recognition"</b>, Dr. Rida Hamza, Staff Scientist, Honeywell International</p>  | <p style="text-align: center;"><b>"Embedded and Client Based Systems: Are Standards Necessary?"</b>, Mr. F. Scott Moody, President &amp; Chief Executive Officer, Authentec</p>  | <p style="text-align: center;"><b>"SOA in Biometric-based Border Management Applications"</b>, Mr. Mark S. Crego, Chief Architect US-VISIT Smart Border Alliance, Accenture</p>   |
| 11:20 am | <p style="text-align: center;"><b>"Task Based Imaging Systems Optimized for Iris Recognition"</b>, Dr. Ramkumar Narayanswamy, Director, Programs and Products, CDM Optics</p>  | <p style="text-align: center;"><b>"Embedded and Client Based Systems: Are Standards Necessary?"</b>, Mr. F. Scott Moody, President &amp; Chief Executive Officer, Authentec</p>  | <p style="text-align: center;"><b>"VoiceXML and Its Role in Web Services"</b>, Dr. Judith Markowitz, President, VoiceXML Forum and J. Markowitz Consultants (co-authored by Kenneth Rehor, VoiceXML Forum)</p>  |

## PRELIMINARY PROGRAM

| Thursday, September 21, 2006 |   |   |   |
|------------------------------|---|---|---|
| Time:                        | Session Focus -<br>US Government<br>Session I – RM. 307/308   | Session Focus -<br>Research/Educational<br>Session II – RM. 309   | Session Focus -<br>International/Industry<br>Session III – RM. 310  |
| 11:40 am                     | <b>Advanced Biometric Technologies (con't)</b><br><br><b>“Conversational Biometrics”</b> , Dr. Jason Pelecanos, Speech Research Engineer, IBM TJ Watson Research Labs | <b>International Biometrics Industry Association (IBIA) Session (con't)</b><br><br><b>Embedded and Client Based Systems: Are Standards Necessary?</b> ", Mr. F. Scott Moody, President & Chief Executive Officer, Authentec (con't) | <b>Biometrics, XML, and Web Services (con't)</b><br><br><b>“Biometric Single Sign-on Using SAML: Architecture and Design Strategies”</b> , Mr. Ramesh Nagappan, Java Technology Architect, Sun Microsystems |
| 12:00 pm                     | <b>Adjourn</b>  |   |   |

### Schedule

**Monday September 18, 2006**  
 Registration and Badge Pick-up  
 5:00 pm - 7:00 pm

**Tuesday, September 19, 2006**  
 Registration / coffee & rolls - 7:30 am  
 Conference - 8:30 am - 5:00 pm  
 Reception - 5:00 pm - 6:30 pm  
 2006 Biometrics Technology  
 Expo - 12:00 pm - 6:30 pm

**Wednesday, September 20, 2006**  
 Registration / coffee & rolls - 7:30 am  
 Conference - 8:30 am - 5:00 pm  
 2006 Biometrics Technology  
 Expo - 10:00 am - 4:00 pm

**Thursday, September 21, 2006**  
 Registration / coffee & rolls - 7:30 am  
 Conference - 8:30 am - 12:00 pm  
 2006 Biometrics Technology  
 Expo - 8:30 am - 12:00 pm

## PRELIMINARY PROGRAM

### Research Symposium Poster Session Tuesday, September 19, 2006 Room 314 (3:30 pm – 5:00 pm)

1. **Mouse Curve Biometrics**, Mr. Douglas Schulz, Pacific Northwest National Laboratory
2. **Integrating Analytic and Appearance Attributes for Human Identification from ECG Signal**, Dr. Kostas Plataniotis, University of Toronto
3. **ECG Biometric Recognition without Fiducial Detection**, Dr. Kostas Plataniotis, University of Toronto
4. **Changeable Biometrics for Appearance Based Face Recognition**, Ms. MinYi Jeong, Yonsei University
5. **Gait Recognition, Foot Motion, Covariate, Predictive Model**, Dr. Shuichi Enokida, Kyushu Institute of Technology
6. **Iris Recognition Based on Feature Extraction in Kernel Space**, Mr. Shuai Shao, University of Electronic Science and Technology of China
7. **Robust Feature-Level Multibiometric Classification**, Dr. Massimo Tistarelli, University of Sassari
8. **A Protection Scheme for MoC-Enabled Smart Cards**, Mr. Claude Barral, Gemalto
9. **A Multimodal Approach for 3d Face Modeling and Recognition Using Deformable Mesh Model**, Dr. Mohamed Abdel-Mottaleb, University of Miami
10. **Identification Model for Classifier Combinations**, Dr. Venugopal Govindaraju, Center for Unified Biometrics and Sensors (CUBS)
11. **High magnification and long distance face recognition: database acquisition, evaluation, and enhancement**, Dr. Besma Abidi, University of Tennessee, Knoxville
12. **Automatic Teeth Segmentation Using Active Contour without Edges**, Mr. Ayman Abaza, West Virginia University
13. **Individual TensorFace Subspaces For Efficient and Robust Face Recognition That Do Not Require Factorization**, Ms. Sung Won Park, Carnegie Mellon University
14. **How Low Can You Go? Low Resolution Face Recognition Study Using KCFA on FRGC dataset**, Dr. Marios Savvides, Carnegie Mellon University
15. **Amorphous Data Scoping: Unsupervised Learning Biometric Data Scoping and Escoteric Biometrics**, Mr. Aaron Baughman, John Hopkins University

| Special Events                |                        |                 |  |
|-------------------------------|------------------------|-----------------|--|
| <b>Wednesday 20 September</b> | <b>8:30am – 5:00pm</b> | <b>Room 302</b> | <b>National Biometric Security Project Workshop</b><br><i>(All Conference Attendees Welcome)</i> |
| <b>Thursday 21 September</b>  | <b>1:00pm – 4:00pm</b> | <b>Room 303</b> | <b>OASIS BIAS TC Meeting</b><br><i>(Members and Guests Welcome)</i>                              |