Improving Biometric and Forensic Technology: The Future of Research Datasets

Day One Agenda – January 26, 2015

8:30 – 9:00 AM	**REGISTRATION**
9:00 – 9:15 AM	**Welcome and Opening Remarks**
9:15 – 10:15 AM	**PLENARY SESSION**
	The Role of Research Datasets in Improving Biometric and Forensic Technology Melissa Taylor, NIST **Challenges in the Collection and Use of Biometric and Forensic Datasets** Austin Hicklin, Noblis and Brad Wing, NIST *Q&A*
10:15 – 11:45 AM	**PANEL: Privacy and Legal Issues in the Collection, Distribution, and Use of Biometric and Forensic Datasets** Dorothy Glancy, Santa Clara University Mike Garris, NIST/ITL Greg Michaud, Michigan State Police XXXX
11:45 – 12:45 PM	**LUNCH**
12:45 - 1:00 PM	**NIST's New Catalog of Publicly Available Biometric Databases** Shannan Williams, NIST
1:00 – 2:35 PM	**FINGERPRINT/PALMPRINT**
	State of the Industry (uses, needs, data capture methods, technology trends) – Anil Jain, Michigan State **Discussion about datasets**– Jeremy Dawson, CiTeR **Summary of NIST's database cataloging efforts** – Craig Watson, NIST/ITL **Usefulness of existing databases** – Elham Tabassi, NIST/ITL

Future database needs discussion
Moderator: Anil Jain, Michigan State

2:35 – 3:00 PM	**BREAK**
3:00 – 4:30 PM	*IRIS*

State of the Industry (uses, needs, data capture methods, technology trends) – distinctiveness studies - Stephanie Schuckers, Clarkson University

Summary of NIST catalog, usefulness and suitability of the existing iris databases, and future priorities
George W. Quinn, NIST/ITL

Iris as a forensic modality vs. cooperative and traditional iris biometrics Arun Ross, Michigan State

Future database needs discussion
Moderator: Patrick Grother, NIST/ITL

4:30 – 4:45 PM	**CLOSING REMARKS**

Day Two Overview

Day Two Agenda – January 27, 2015

8:30 – 9:00 AM	**REGISTRATION**

PANEL: Statistical Significance in Biometric and Forensic Datasets

9:00 – 10:00 AM	Chris Saunders, South Dakota State University Mike Thieme, Novetta Hariharan Iyer, NIST *Moderator:* Karen Kafadar, University of Virginia
10:00 – 11:00 AM	**VOICE**

State of the Industry
Hirotaka Nakasone, FBI

Usability of existing databases
Peter Higgins, Independent Biometrics Consultant

Future database needs discussion
Moderator: XXXXX

11:00 – 11:15 AM	**BREAK**
11:15 – 12:15 PM	**HANDWRITING**

State of the Industry
Ted Burkes, FBI

Specific Approaches to Statistical Analysis and Collection of Handwriting Databases
Chris Saunders, South Dakota State University

Disguised Writing and Tracing Samples
Peter Tytell, Private Examiner

Future database needs discussion
Moderator: JoAnn Buscaglia, FBI

12:15– 1:15 PM	**LUNCH**
	FACE AND PERSON AT A DISTANCE
1:15 – 3:00 PM	**State of the Industry Face**

Mark Burge, IARPA

State of Industry, Person at a Distance
Brendan Klare, Noblis

NIST Cataloging Efforts
Jonathon Phillips, NIST
Summary of DHS' database cataloging efforts: Mobile Data Collection –
Marcia Kimura and Rebecca Erikson, Department of Energy, Pacific Northwest Laboratory

Future database needs discussion
Moderator: Richard Vorder Bruegge, FBI

3:00 – 3:30 PM	**CLOSING REMARKS**

NIST Next Steps – Road map, Best Practices, Catalog, Wrap Up/Summary Comments
Melissa Taylor, NIST and Austin Hicklin, Noblis