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(FINAL VERSION, UPDATED for the TITAN WEATHER EVENT)
Agenda for the NIST Data Science Symposium 2014

National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg, MD 20899
Building 101, Red Auditorium

Day 1 - March 4, 2014

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Arrival			
10:00	10:30	Check-in (**Please check NIST status after 5:30am on March 4, prior to your arrival**. Projected *NIST open at 10am/Gates might open earlier*) Poster-setup	(Administration Building 101) (Hall of Flags)

Welcome & Opening Remarks		
10:30	10:45	**John Garofolo** - Senior Advisor for Program Development, IAD (NIST) **James St. Pierre** - Deputy Director of the Information Technology Laboratory (NIST)

The NIST Data Science Program and Symposium Objectives	
Session Moved	**Ashit Talukder** - Chief, Information Access Division (NIST) *Overview of the NIST Data Science Program* **Craig Greenberg** - Project Leader, Multimodal Information Group (NIST) *Overview of the NIST Data Science Evaluation and Metrology Plans* Q&A Discussion (*moved to lunch focus group*) Portrait Room

Challenges and Gaps in Data Science Technologies		
10:45		Session Introduction
10:45	13m/2q	**Doug Cutting** - Chief Architect (Cloudera) *The Future of Data*
11:00	13m/2q	**Pak Chung Wong** - Chief Scientist (Pacific Northwest National Laboratory) *Topic: Large-Scale Complex Visualisations*
11:15	13m/2q	**Volker Markl** - Professor and Chair of The Database Systems & Information Management Group (TU Berlin) *Data Science Research from the Database* *Management Systems Perspective* Q&A Discussion (*Day 2 Breakout/submit 3x5 cards of questions to address*)
11:30	*11:40*	*Transition*

Data and Use Cases for Data Science Research

11:40	11:45	Session Introduction
11:45	13m/2q	**Phil Ashlock** *for Jeanne Holm* - Evangelist (Data.gov) *Datasets that Enable Rigorous Data Science Research*
12:00	13m/2q	**Michael Hurley** - Technical Staff (MIT Lincoln Laboratory) *Information Theoretic Evaluation of Data Processing Systems*
12:15	13m/2q	**Chesley Richards** - Deputy Director for Public Health Scientific Services (CDC) *Topic: Health Data, Challenges and Opportunities* Q&A Discussion (*Day 2 Breakout/submit 3x5 cards of questions to address*)

12:30		**John Garofolo** - Working Lunch Logistics
12:30	*2:00*	*Lunch: NIST cafeteria accepts cash or credit* **Lecture Room B**: *Focus Group on HCI and Data Science* **Lecture Room E:** *Focus Group on Big Data Analytics for Smart Manufacturing Systems*

The NIST Data Science Program and Symposium Objectives

2:00	2:15	**Ashit Talukder** – Chief, Information Access Division (NIST) *Overview of the NIST Data Science Program*
2:15	2:30	**Craig Greenberg** – Project Leader, Multimodal Information Group (NIST) *Overview of the NIST Data Science Evaluation and Metrology Plans*
		Q & A Discussion (*moved to* Portrait Room)

Data Science Poster Session

2:30	3:40	Poster Presentations – **Hall of Flags**
2:30	3:40	Focus Group for NIST Data Science Program Plans – **Portrait Room**

Data Science Benchmarking and Measurement

3:45	3:50	Session Introduction
3:50	13m/2q	**Thomas Karl** - Director, National Climatic Data Center (NOAA) *Climate Archives in NOAA: Challenges and Opportunities*
4:05	13m/2q	**Shahram Ghandeharizadeh** – Associate Professor & Director Database Laboratory (University of Southern California) *A Benchmark for Interactive Social Networking Actions*
4:20	13m/2q	**Shashi Shekhar** – McKnight Distinguished University Professor (University of Minnesota) *Spatial Big Data Analytics: A Challenges & Opportunities*
4:35	13m/2q	**Milind Bhandarkar** – Chief Scientist (Pivotal Software Inc.) *Deep Analytics Pipeline: A Benchmark Proposal*

Q&A Discussion
(Day 2 Breakout/submit 3x5 cards of questions to address)

4:50   **John Garofolo** - Brief wrap-up and adjourn

Agenda for the NIST Data Science Symposium 2014

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Day 2 - March 5, 2014

Arrival			
8:00	9:00	Check-in	(Administration Building 101)

Keynote Address		

9:00	9:30	**Charles Romine** - Director of the Information Technology Laboratory (NIST) _Welcome and Introductions_ **Dr. Francine Berman** - Chair, Research Data Alliance / U.S. Edward P. Hamilton Distinguished Professor in Computer Science Director, Center for a Digital Society, Rensselaer Polytechnic Institute
9:30	9:45	Q&A Discussion

Breakout Sessions

9:45		**Mark Przybocki** - Group Leader, Multimodal Information Group (NIST) _Breakout Instructions_
10:00	11:30	Breakouts _Data Science Benchmarking & Performance Measurement_ **Craig Greenberg** (Chair) Portrait Room _Datasets and Use Cases for Data Science Research_ **Ashit Talukder** (Chair) Green Auditorium _Challenges and Gaps in Data Science Technologies_ **John Garofolo** (Chair) Red Auditorium

_11:30_	_1:00_	_Lunch and Focused Topic Working Lunches_ **Lecture Room E**_: Focus Group on Automated Metadata and Ontologies for Heterogeneous Data_

Government Data Science R&D Panel		
1:00	2:45	**Christopher White** - Program Manager, XDATA Program (DARPA)
		Jill Crisman - Program Manager (IARPA)
		Kenneth Rice - Chief, ISR Integration Division (NGA)
		Lucy Nowell - Program Manager, Advanced Scientific Computing Research (DOE)
		Mike Huerta - Associate Director, US National Library of Medicine (NIH)
		Stephen Dennis - Innovation Director (HSARPA)
		Xiaoming Huo - Program Director (NSF)
2:45	3:00	Q&A Discussion
3:00	*3:15*	*Break*
Breakout Reports		
3:15	3:25	Data Science Benchmarking & Performance Measurement
3:25	3:35	Datasets and Use Cases for Data Science Research
3:35	3:45	Challenges and Gaps in Data Science Technologies
3:45	3:55	Poster Session
3:55	4:05	Focus Group: Automated Metadata and Ontologies for Heterogeneous Data (**Anne Plant**)
4:05	4:15	Focus Group: HCI and Data Science (**Sharon Laskowski**)
4:15	4:25	Focus Group: Big Data Analytics for Smart Manufacturing Systems (**Sudarsan Rachuri**)
4:25	4:45	Discussion & Next Steps; Facilitator: **Ashit Talukder**