

National Institute of Standards and Technology
Data Science Evaluation Series Workshop

Gaithersburg, MD
Building 101, Lecture Room-D
March 17–March 18, 2016

Agenda

March 17, 2016 Thursday

9:00–10:00 Introduction [60 min]

- 10 minutes Welcome & Introductions Jim St. Pierre
- 10 minutes Introduction and Workshop Goals Mark Przybocki
- 20 minutes NIST IAD's Data Science Research Program Bonnie Dorr
- 20 minutes NIST IAD's Data Science Evaluation Craig Greenberg

20 min break

10:20–11:40 Lessons learned from 2015 Data Science Pre-Pilot [80 min]

- 15 minutes Summary of 2015 pre-pilot Peter Fontana
- 20 minutes NIST perspective on lessons learned from pre-pilot..... Peter Fontana
- 45 minutes Participant perspective on lessons learned from pre-pilot..... Daisy Zhe Wang

5 minute break

11:45–12:20 Track Coordinator Finalist Presentation [35 min]

- 5 minutes DSE Track Proposal Introduction
- 30 minutes Manual vs automated techniques for estimating security risks....Jason Carrier and Paul Eavy

Lunch

13:30–15:30 The Future of DSE: Breakouts [120 min]

- 15 minutes Introduction to Breakouts
- 105 minutes Parallel sessions
 - a. Infrastructure: data dissemination, submissions, private cloud
 - b. Evaluation: workflow, ground truth, assessment
 - c. Benchmarking: runtime, resource usage, scaling

30 minute Break

16:00–17:30 Breakout Reports

March 18, 2016 Friday

9:00–9:15 Welcome (Day 2) [15 min]

Remarks and Announcements

9:15–9:45 Track Coordinator Finalist Presentation [30 min]

30 minutes Data Science for Plant Identification with Remote Sensing Morteza Shahriari Nia

9:45–10:15 Pilot Plan: Introduction and Discussion [30 min]

10 minutes Next phase: Pilot Evaluation Marion Le Bras

20 minutes Discussion of Pilot Plan

20 minute break

10:35–11:55 Data Science Challenges [105 min]

10 minutes Introduction to Challenges Bonnie Dorr

5 minutes Alignment/data fusion..... Marion Le Bras

5 minutes Cleaning/anomaly detection..... Peter Fontana

5 minutes Prediction/forecasting Oleg Aulov

60 minutes Discussion of additional challenges

11:55–12:05 Conclusion [10 min]

Concluding Remarks, wrap up, adjourn