



Call for Participation and Contribution

2nd NIST Big Data Public Working Group Workshop: Towards a Standard Ecosystem for Big Data Applications & Analytics

National Institute of Standards and Technology, Gaithersburg, Maryland
June 1 – 2, 2017



NIST will host its 2nd NIST Big Data Public Working Group (NBD-PWG) workshop for NIST Big Data Interoperability Framework (NBDIF) with the theme of ***Towards a Standard Ecosystem for Big Data Applications and Analytics*** on June 1-2, 2017, Gaithersburg, Maryland. Workshop agenda: <https://bigdatawg.nist.gov/workshop2.php>.

The NBD-PWG was established together with the industry, academia and government to create a consensus-based extensible NIST Big Data Interoperability Framework (NBDIF). The NBDIF is a vendor-neutral, technology- and infrastructure-independent ecosystem, enabling Big Data stakeholders (data scientists, researchers, etc.) to utilize best available analytics tools that will process and derive knowledge through the use of standard interfaces between swappable architectural components.

Workshop Objectives

The workshop program will focus on four major areas: (a) NBDIF Version 2 Overview – consensus approach to establish interoperable ecosystem for Big Data applications and analytics, (b) Big Data application challenges – how standard ecosystem may overcome Big Data applications development challenges from major government programs and initiatives, (c) Big Data analytics challenges – how standard ecosystem may provide reusable, deployable, and operational analytics tools from major government chief data scientists/officers, and (d) Explore Exascale Big Data Analytics and Systems.

NBDIF Version 2 Draft Documents are available at: <https://bigdatawg.nist.gov>

Speakers (NBD-PWG subgroup co-chairs, editor, and government agencies with Big Data programs, initiatives, and activities)

- ✦ Keynote: **Chaitan Baru**, Data Science Advisor, National Science Foundation
- ✦ Keynote: **George Strawn**, Director of Board on Research Data and Information, National Academies of Sciences
- ✦ NIST Big Data PWG Subgroup Co-Chairs and Editor
 - ✦ **Nancy Grady**, Principal Data Scientist and Technical Fellow, SAIC
 - ✦ **Geoffrey Fox**, Distinguished Professor of Computer Science and Informatics, Indiana University
 - ✦ **Piyush Mehrotra**, Chief, NASA Advanced Supercomputing Division, NASA
 - ✦ **Arbab Roy**, Research Manager, Fujitsu Laboratories of America
 - ✦ **Mark Underwood**, AVP, Strategic Initiatives, Controls and Countermeasures
 - ✦ **David Boyd**, Vice-President of Data Solutions, InCadence Strategic Solutions
 - ✦ **Gregor von Laszewski** (Vol. 8 Editor), Assistant Director of Community Grids Lab, Adjunct Associate Professor, Indiana University
 - ✦ **Russell Reinsch**, Analyst for Center for Government Interoperability
- ✦ **Laura Biven**, Senior Science and Technology Advisor, DOE
- ✦ **John Sprague**, Deputy Associate CIO, Tech & Innovation Division, NASA
- ✦ **Cavan Capps**, Big Data Lead, Census
- ✦ **Jaime Adams**, Senior Advisor for International Affairs, Office of the Chief Scientist, USDA
- ✦ **Vivien Bonazzi**, Senior Advisor for Data Science Technologies, NIH
- ✦ **Daniel Morgan**, Chief Data Officer, DOT
- ✦ **Mike Kraemer**, Chief Data Officer, Board of Governors of the Federal Reserve System
- ✦ **Avi Bender**, Director, NTIS
- ✦ **David Belanger**, Chair of IEEE Big Data Initiative, Senior Research Fellow, Stevens Institute of Technology
- ✦ **Mahmoud Daneshmand**, Vice-Chair of BDGMM and Co-Founder and Chair of Steering Committee of IEEE IoT Journal, Steven Institute of Technology
- ✦ **Kathy Grise**, IEEE Senior Program Director, Future Directions, IEEE

Participants

The NBD-PWG cordially invites Big Data-related experts (data scientists, application developers, systems/DevOps engineers, etc.), and program managers and policy makers (CIOs, CTOs, CDOs, etc.) to participate, review, discuss, comment, and provide contributions that will enhance the NBDIF documents and better support Big Data applications and analytics.

Registration/Workshop Agenda/Contact

Registration is FREE but required and the cut-off date is May 29, 2017: <https://go.usa.gov/xN88u>

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