

10th Symposium on the Latest Missions and Opportunities in . . .

BIG DATA

and Predictive Analytics

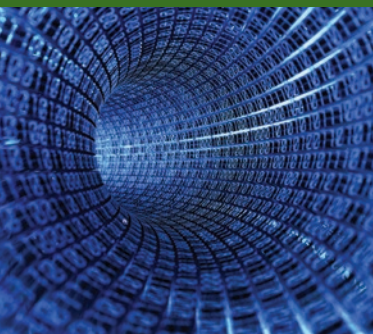
— FOR DEFENSE AND NATIONAL SECURITY —

Featuring Key Presentations from:

- RADM Paul Becker, USN, - Special Assistant to the Director of Naval Intelligence
- CW5 Derrick Edwards – CTO & Sr Technical Advisor to the Army CIO/G-6
- Dr. Jason Matheny - Director, IARPA

Experts from US Army, US Navy, USAF, DHS, DNI, G-6, INSCOM, DIA, IARPA, NRL, FM&C, NGA, JAMR, USN, DOL, NSF, WRTAC, Raytheon BBN Technologies Corp, IBM, SAIC, Booz Allen Hamilton, Oracle, SAS Federal, Kitware Inc, Unisys Federal Systems and Harvard examine:

- The Latest DoD and Government Plans, Needs and Initiatives
- Applying Predictive Analytics to Defense and National Security Missions
- Building Best Use Cases – Emerging Lessons Learned and the Road Ahead
- Big Data Analytics in the DoD/Intelligence
- Best Opportunities for Industry Participation



Washington, DC • April 13-14, 2016

Big Data and Predictive Analytics for Defense and National Security

Information sharing and information overload challenges continue to dominate operational and acquisition planning within the Department of Defense, Intelligence, Homeland Security, and Law Enforcement communities. Increasingly, government agencies are looking for the **latest tools and capabilities in big data and predictive analytics** to provide the means to analyze, exploit and share conclusions drawn from the seemingly overwhelming inputs from ever-increasing numbers of sensors and sources.

This outstanding symposium brings together the key government and industry experts who are shaping the direction of *big data and predictive analytics* research and development for defense, intelligence, homeland security, and law enforcement. What are the latest **DoD, Intelligence Community, and Homeland Security needs and initiatives in big data and predictive analytics?** How is **big data analytics** being applied to **ISR, intelligence sharing, video analytics, atmospheric, identity, biometrics**, and a whole range of other critical mission applications? What opportunities and challenges are presented by the convergence of cloud and large-scale analytics? What solutions are emerging? **What role(s) can industry play?** These and many other critical questions will be examined during this outstanding two-day event.

Our Distinguished Panel of Experts

RADM Paul Becker, USN	Special Assistant to the Director of Naval Intelligence
CW5 Derrick Edwards, USA	CTO and Senior Technical Advisor to the Army CIO/G-6, US Army
Dr. Jason Matheny	Director, IARPA
Mr. Mort Anvari, SES	Director of Programs and Strategy Assistant Secretary of the Army Financial Management and Comptroller ASA (FM&C)
Mr. Vince McCarron	Division Chief, Joint Intelligence Community Mission Eng, US Army
Col Bruce Lyman, USAF	Chief, Distributed Common Ground System (DCGS) AF/A2
Mr. Todd G. Myers	Senior Architect, Office of the Chief Information Officer, NGA
Ms. Lisa Shaler-Clark	Chief, Integration and Assessment Division (IAD) INSCOM G-7
Dr. Guna Seetharaman, PhD	Sr. Scientist, S & T for Adv. Computing Concepts, and Chief Scientist for Computation, U.S. Naval Research Laboratory
Mr. Stephen Dennis	Director, Innovation, DHS
Mr. Dalton Jones	Sr. Defense Intel. Exec. for Biometrics, Identity Intelligence, & Watchlisting, Def. Combating Terrorism Ctr, DIA
Mr. Dan Green	Dir. for the Joint Advanced Manufacturing Region (JAMR), Integrated Product Team, US NAVY
Col (ret) Lee Wight	Executive Director, Fusion Center, WRTAC
Dr. Ashit Talukder, PhD	Chief Information Officer, Dept of Labor
Dr. Chaitan Baru, PhD	Sr. Adv. for Data Science, Directorate for Computer and Information Science and Engineering (CISE), National Science Foundation (NSF)
Dr. David A. Bray, PhD	Harvard Visiting Executive In-Residence & Eisenhower Fellow to Taiwan and Australia
Dr. Ralph Weischedel, PhD	Principal Scientist, Raytheon BBN Technologies Corporation
Mr. Timothy Paydos	Vice President, WW Public Sector Analytics Ind. Team Member, IBM
Dr. Nancy Grady, PhD	Chief Data Scientist, SAIC
Mr. Matthew Hutchinson	Executive Advisor, Booz Allen Hamilton
Mr. Tom Plunkett	Author and Principal Consultant, Oracle
Mr. Tom Sabo	Senior Solutions Architect, SAS Federal
Dr. Anthony Hoogs, PhD	Director, Computer Vision, Kitware Inc
Dr. Rod Fontecilla	Vice President, Application Modernization, Unisys Federal Systems

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SYMPOSIUM AGENDA

I. The Latest Government Needs, Initiatives, Opportunities and Challenges

GOVERNMENT KEYNOTES:

“Big Data and the Naval Intelligence Mission”

■ **REAR ADMIRAL PAUL BECKER, U.S. NAVY**

Special Assistant to the Director of Naval Intelligence

“US Army CIO Perspectives”

■ **CHIEF WARRANT OFFICER FIVE DERRICK EDWARDS**

*Chief Technology Officer (CTO) and Senior Technical Advisor to the Army
Chief Information Officer (CIO)/G-6 - tentative*

“IARPA Perspectives and Initiatives in Big Data and Predictive Analytics”

■ **DR. JASON MATHENY**

Director, IARPA

“Army’s Financial Transparency and Performance Assessment”

■ **MR. MORT ANVARI, SES**

*Director of Programs and Strategy Assistant Secretary of the Army Financial Management and
Comptroller ASA (FM&C)*

“Big Data Initiatives and DCGS”

■ **COLONEL BRUCE LYMAN, USAF**

Chief, Distributed Common Ground System (DCGS) AF/A2

“Identity Intelligence and Big Data”

■ **MR. DALTON JONES**

*Senior Defense Intelligence Executive for Biometrics, Identity Intelligence, & Watchlisting, Defense
Combating Terrorism Center, Defense Intelligence Agency*

“NGA Perspectives and Initiatives”

■ MR. TODD G. MYERS

Senior Architect, Office of the Chief Information Officer National Geospatial-Intelligence Agency

“Big Data Analytics for Army Intel”

■ MS. LISA SHALER-CLARK

Chief, Integration and Assessment Division (IAD) INSCOM G-7

- Leveraging Big Data across our Enterprise
- Partnering on Secure, Sharable Capabilities
- Opportunities and Emerging Lessons

“Naval Research Laboratory and the Big Data Future”

■ DR. GUNA SEETHARAMAN, PhD

Senior Scientist, Science and Technology for Advanced Computing Concepts, and Chief Scientist for Computation, U.S. Naval Research Laboratory

“Army’s Financial Transparency and Performance Assessment”

■ MR. VINCE McCARRON

Division Chief, Joint Intelligence Community Mission Engagement, US Army

“Big Data and the Next Industrial Revolution: Cyber-physical Analytics, Optimization and Security for the Industrial Internet of Things”

■ MR. DAN GREEN

Director for the Joint Advanced Manufacturing Region (JAMR), Integrated Product Team, US NAVY

“DOL Perspectives and Initiatives in Big Data and Predictives”

■ DR. ASHIT TALUKDER, PhD

Chief Information Officer, Dept of Labor, Former Director, Information Access, National Institute of Standards and Technology (NIST)

“NITRD Big Data Senior Steering Group Initiatives and Activities”

■ DR. CHAITAN BARU, PhD

Senior Advisor for Data Science, Directorate for Computer and Information Science and Engineering (CISE), National Science Foundation (NSF)

“DHS Perspectives and Initiatives”

■ MR. STEPHEN DENNIS

Director, Innovation, Department of Homeland Security (DHS) [invited]

II. The Latest Tools, Techniques and Technologies

“#GettingStuffDone in our Exponential Era”

■ DR. DAVID A. BRAY, PhD

Harvard Visiting Executive In-Residence and Eisenhower Fellow to Taiwan and Australia

"Defense & Intelligence and the Information Challenge Harnessing the Value Of Big Data"

■ MR. TIMOTHY PAYDOS

Vice President, WW Public Sector Analytics Industry Team Member, IBM Industry Academy

"Social Media Analytics"

■ MR. TOM SABO

Senior Solutions Architect, SAS Federal

"Big Data Analytics and Kitware"

■ DR. ANTHONY HOOGS, PhD

Director, Computer Vision, Kitware Inc.

"Latest Predictive Analytics Tools and Unisys Federal Systems"

■ DR. ROD FONTECILLA

Vice President, Application Modernization, Unisys Federal Systems

III. High-Value Applications for Defense and Intelligence - Emerging Lessons Learned

"A Study in DEFT: From Text to an Entity-Centric Knowledge Base"

■ DR. RALPH WEISCHEDEL, PhD

Principal Scientist, Raytheon BBN Technologies Corporation

"Fusion Centers – Current Operations, Future Challenges, and Big Data"

■ COLONEL (ret) LEE WIGHT

Executive Director, Fusion Center, Washington Regional Threat Analysis Center (WRTAC); Former Chief, Strategy Division, HQ US Air Force

"Deep Learning is the Future of Big Data Analytics"

■ DR. NANCY GRADY, PhD

Chief Data Scientist, SAIC

"If You Plan to Slay the Data Science Dragon, Make Sure the Sword You Bring is a Mop"

■ MR. MATTHEW HUTCHINSON

Executive Advisor, Booz Allen Hamilton

"Big Data and Cyber Security"

■ MR. TOM PLUNKETT

Author and Principal Consultant, Oracle